



Environmental Site Remediation Work Plan

General Information

Operator:	<u>Mack Energy Corporation</u>	Incident ID:	<u>nAPP2530359265</u>
Landowner:	<u>Federal</u>	Site Location:	<u>Cornwall Federal #001H</u>
Date:	<u>March 5, 2026</u>	Project #:	<u>25A-05756</u>
Mack Contact:	<u>Matt Buckles</u>	Phone #:	<u>575.703.1958</u>
Vertex PM:	<u>Sally Carttar</u>	Phone #:	<u>575.361.3561</u>

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 release at Cornwall Federal #001H (hereafter referred to as “site”). The release occurred due to and equipment failure at a separator resulting in 45 barrels of crude oil being released onto the pad as liquid, and onto the pad and pasture as overspray. The release occurred at the west end of the tank battery and impacted the west edge of the pad and pasture west of the pad. Areas of potential environmental concern identified and delineated include both pad and pasture, as shown on Figures 1 and 4 (Attachment 1). Closure criteria have been selected as per New Mexico Administrative Code 19.15.29. The closure criteria for the site are presented below.

Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
< 50 feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – total dissolved solids

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

BTEX – benzene, toluene, ethylbenzene and xylenes

Site Assessment/Characterization

Site characterization was completed on February 9, 2026. A total of 68 sample points were established and samples collected for field screening. Samples were submitted to the laboratory for analysis. In total, 132 samples were submitted to Eurofins South Central, Albuquerque, New Mexico, for analysis. The sample locations are presented on Figures 1 to 3 (Attachment 1). Laboratory analysis results have been compared to the above noted closure criteria and the results from the characterization activity are presented in Table 2 (Attachment 2); exceedances to criteria are identified in the table as bold with green or gray background. Daily Field Reports and laboratory data reports are included in Attachment 3 and Attachment 4, respectively. All applicable research as it pertains to closure criteria selection is presented in Attachment 5.

Remedial Activities

Impacts on Pad and Chloride Impacts in Pasture

Areas on the pad and the extended west edge of the pad including containment berm and slope identified with constituent concentrations above closure criteria will be remediated through excavation. The areas in the pasture adjacent to the pad identified with chloride concentrations above closure threshold will also be remediated through excavation. Laboratory results from the site assessment/characterization have been referenced to estimate both the vertical and horizontal limits of the impacts and the volume of soil to be removed. Soil will be excavated to the extent of the known contamination or in 0.5-foot increments, whichever is less. Field



Environmental Site Remediation Work Plan

screening will be utilized to find the horizontal and vertical extents of the spill area and confirm removal of soil exceeding the applicable closure criteria. Contaminated soils will be stored on a 30mil liner prior to disposal at an approved facility. Once excavation is complete, confirmatory samples will be collected and laboratory analysis completed to confirm closure criteria guidelines are met. Excavations will be backfilled with clean soil sourced locally. The existing support slope and erosion control features built into the west edge of the pad will be rebuilt upon completion of remedial activities.

A hydrovac truck and/or hand crews will be utilized to remove contaminated soil in close proximity to production and transportation equipment. Heavy equipment will be used to complete excavation in open areas where possible. Field screening will be utilized to find the horizontal and vertical extents of the spill area. Confirmatory samples will be collected as per New Mexico Oil Conservation Division (NMOCD) guidance and submitted for laboratory analysis of all applicable parameters. Surfaces of the final extents of the excavation will meet strictest NMOCD closure criteria. The total area to be remediated by excavation is approximately 11,795 square feet presented on Figure 2 (Attachment 1). The total estimated volume to be excavated is approximately **620 cubic yards**. Excavation is planned to be completed within 90 days of approval of this Environmental Site Remediation Work Plan.

Sample Point	Excavation Depth (ft)	Remediation Method
BH25-08	0.5	Excavator
BH25-09	0.5	Excavator
BH25-16	0.5	Excavator
BH25-52	1	Excavator
BH25-01	0.5	Excavator, Hand Crew
BH25-05	0.5	Excavator, Hand Crew
BH25-03	1	Excavator, Hand Crew
BH25-56	1	Excavator, Hand Crew
BH25-57	1	Excavator, Hand Crew
BH25-06	1.5	Excavator
BH25-07	2	Excavator

Hydrocarbon Impacts in Pasture

Areas in the pasture west of the pad identified with hydrocarbon concentrations above closure criteria and chloride concentrations under criteria will be remediated in-situ using biological agents. Laboratory results from the site assessment/characterization have been referenced to estimate both the vertical and horizontal limits of the impacts and the volume of soil to be treated. A solution of Micro-Blaze Out® or similar will be applied to the impacted area shown on Figure 3 (Attachment 1). Confirmatory samples will then be collected as per NMOCD guidance and submitted for laboratory analysis of all applicable parameters. Should any zones within the area continue to contain hydrocarbons exceeding reclamation standards, they will be reassessed and bioremediation treatment will be reapplied once every 6 weeks to any zones applicable until reclamation standards are satisfied. The total bioremediation treatment area is approximately 24,318 square feet as presented on Figure 3. Vertex Resource Services, Inc. (Vertex) and Mack Energy Corporation are aware of concerns regarding potential PFAS content of biological remedial agents. According to the Safety Data Sheet (Attachment 7), Micro-Blaze Out® does not contain PFOS, PFAS, or any other fluorosurfactant.

Variance Request

The initial proposed excavation base and wall areas will be approximately 11,795 and 818 square feet, respectively. The proposed bioremediation area will be 24,318 square feet. The total "base" area to be sampled will be 36,113 square feet. In addition, the remediation will follow NMOCD closure criteria for areas where depth to groundwater is less than 50 feet below ground surface as shown in Table 1. Closure criteria research pertaining to the depth to groundwater determination is included in Attachment 5. Vertex and Mack



Environmental Site Remediation Work Plan

Energy Corporation would like to request a variance for confirmation sampling due to the large base sampling area. This variance request will consist of five-point composite samples for every 400 square feet of excavation base. Excavation wall samples will utilize five-point composite samples representative of no more than 200 square feet. Additional discrete grab samples will be collected from areas with discoloration and analyzed for chloride (EPA 300.0), benzene, toluene, ethylbenzene, and xylenes (EPA 8021B), and total petroleum hydrocarbons (EPA 8015D) depending on field screening results.

Biological Compliance and Remediation

Vertex conducted desktop review to determine if any potential habitats are located within the scope of work. It was determined that five potentially endangered species could potentially be impacted. A Special Status Species Survey was conducted on November 13, 2025, ensuring compliance with the NMOCD requirement of adherence to protecting State-listed threatened and endangered species. The survey identified three Scheer’s Pincushion Cacti around the site. One of these cacti is located within the remediation area. Sample points BS26-65 through BS26-68 were collected. Sampling results indicated remediation will be required within a 5-meter buffer of the cactus.

Following communications with State and Bureau of Land Management biologists, Vertex proposes relocating the Scheer’s Pincushion Cactus from the remediation area prior to remedial activities commencing. On-site biological staff will ensure that the plant is dug up carefully to avoid root damage and replanted nearby in a location approved by Bureau of Land Management and New Mexico Energy, Minerals and Natural Resources Department.

The IPaC Resource List, Biological Checklist utilizing the sources provided by the New Mexico State Land Office for guidance and the Special Status Species Survey are presented in Attachment 6. If any other species identified in the resources are encountered during remedial activities, work will be ceased and a biological representative from NMSLO will be notified for further instruction.

Should you have any questions or concerns, please do not hesitate to contact the Project Manager Sally Carttar at 575.361.3561 or scarttar@vertexresource.com.

Lakin Pullman

Lakin Pullman, B.Sc.
ENVIRONMENTAL SPECIALIST, REPORTING

March 5, 2026

Date

Sally Carttar

Sally Carttar, BA.
PROJECT MANAGER, REPORT REVIEW

March 5, 2026

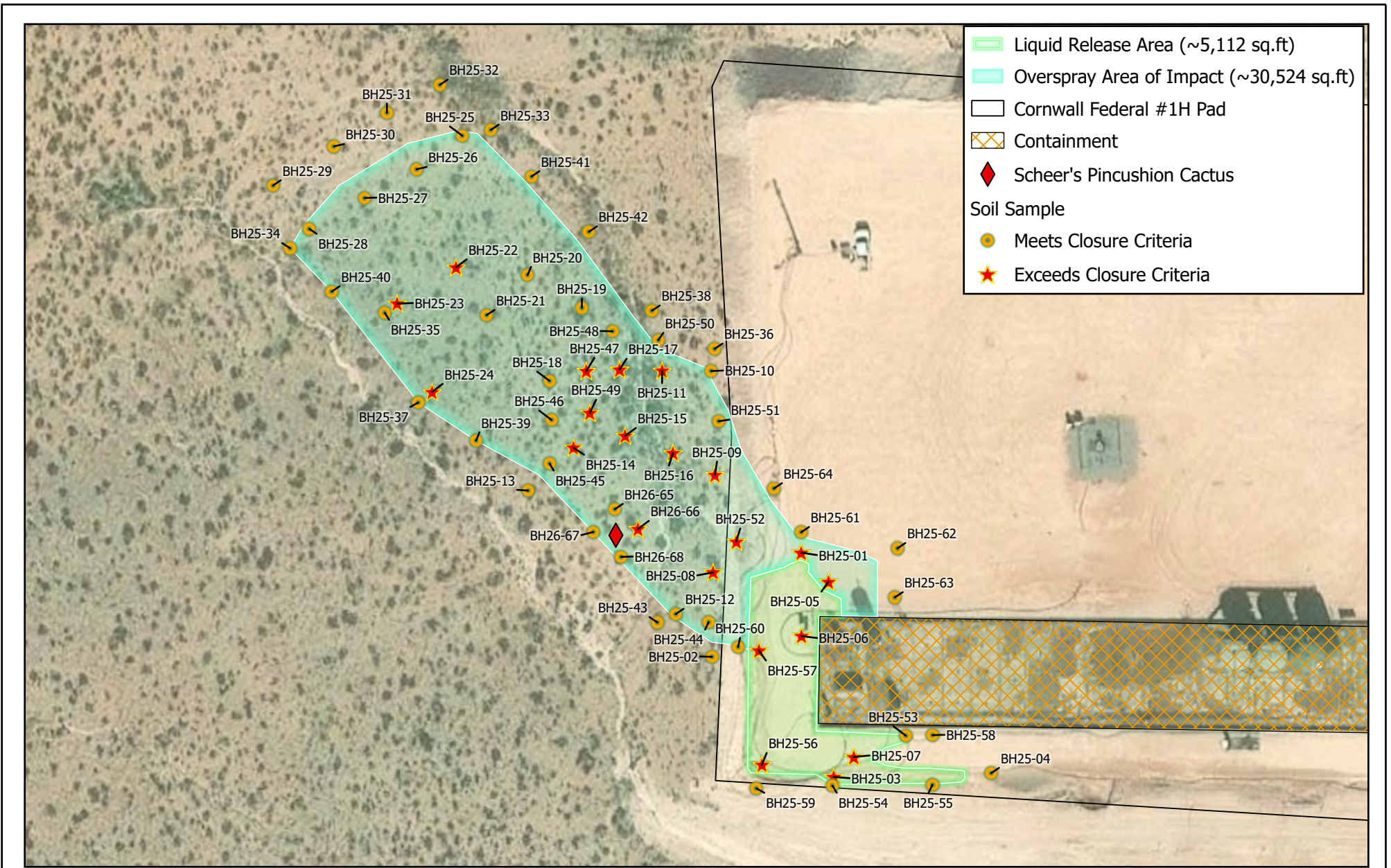
Date

Environmental Site Remediation Work Plan

Attachments

- Attachment 1. Figures
- Attachment 2. Tables
- Attachment 3. Daily Field Reports with Photographs
- Attachment 4. Laboratory Data Reports and Chain of Custody Forms
- Attachment 5. Closure Criteria Research
- Attachment 6. Biological Compliance and Special Status Species Survey
- Attachment 7. Safety Data Sheet, Micro-Blaze Out®

ATTACHMENT 1



Liquid Release Area (~5,112 sq.ft)
 Overspray Area of Impact (~30,524 sq.ft)
 Cornwall Federal #1H Pad
 Containment
◆ Scheer's Pincushion Cactus
Soil Sample
● Meets Closure Criteria
★ Exceeds Closure Criteria

Map Center:
Lat/Long: 32.995979°N, 104.063135°W

Date: Mar 02/26

NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

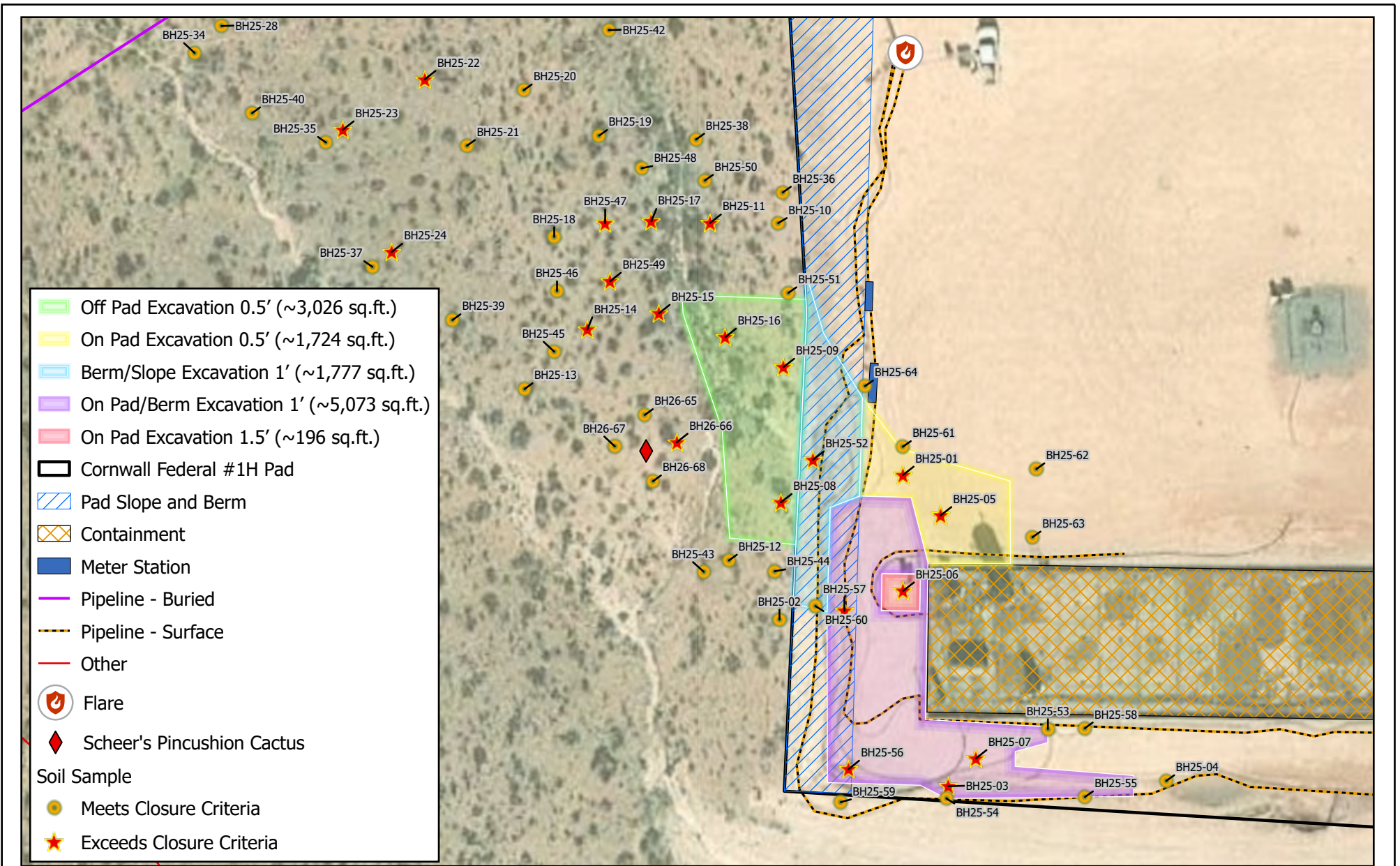
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Characterization Sampling Site Schematic
Cornwall Federal #001H

FIGURE: **1**

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes. Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.



Map Center: Lat/Long: 32.995862°N, 104.063208°W
 Date: Mar 02/26

0 30 60 ft
 NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

VERTEX

**Proposed Excavation Schematic
 Cornwall Federal #001H**

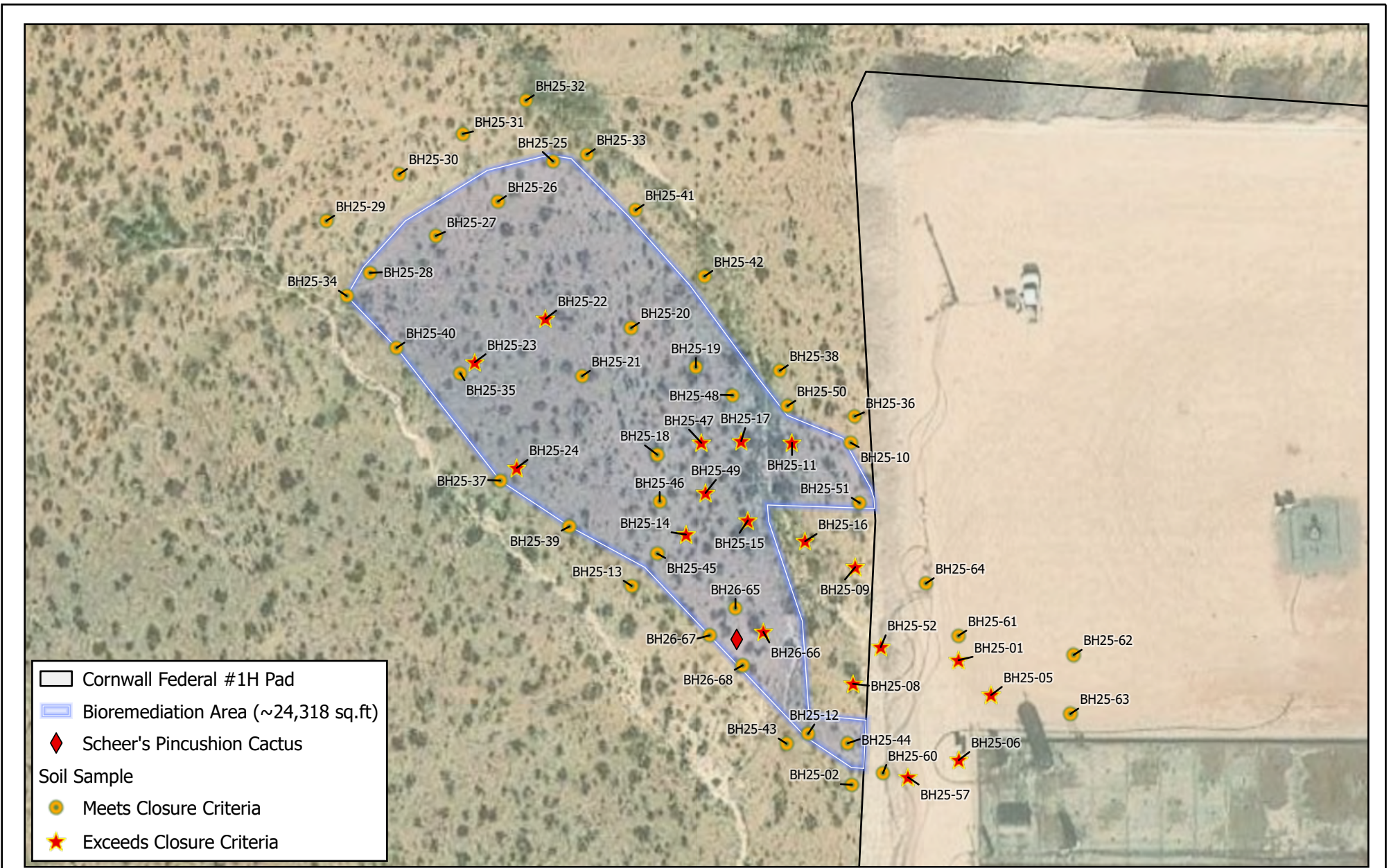
FIGURE: **2**

MACK
 Energy Corporation

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, 2025. Site features from GPS, Vertex, 2025.

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Cornwall Federal #1H Pad
 Bioremediation Area (~24,318 sq. ft.)
◆ Scheer's Pincushion Cactus
Soil Sample
● Meets Closure Criteria
★ Exceeds Closure Criteria

Map Center:
Lat/Long: 32.996082°N, 104.063326°W
Date: Mar 02/26
N

0 40 80 ft

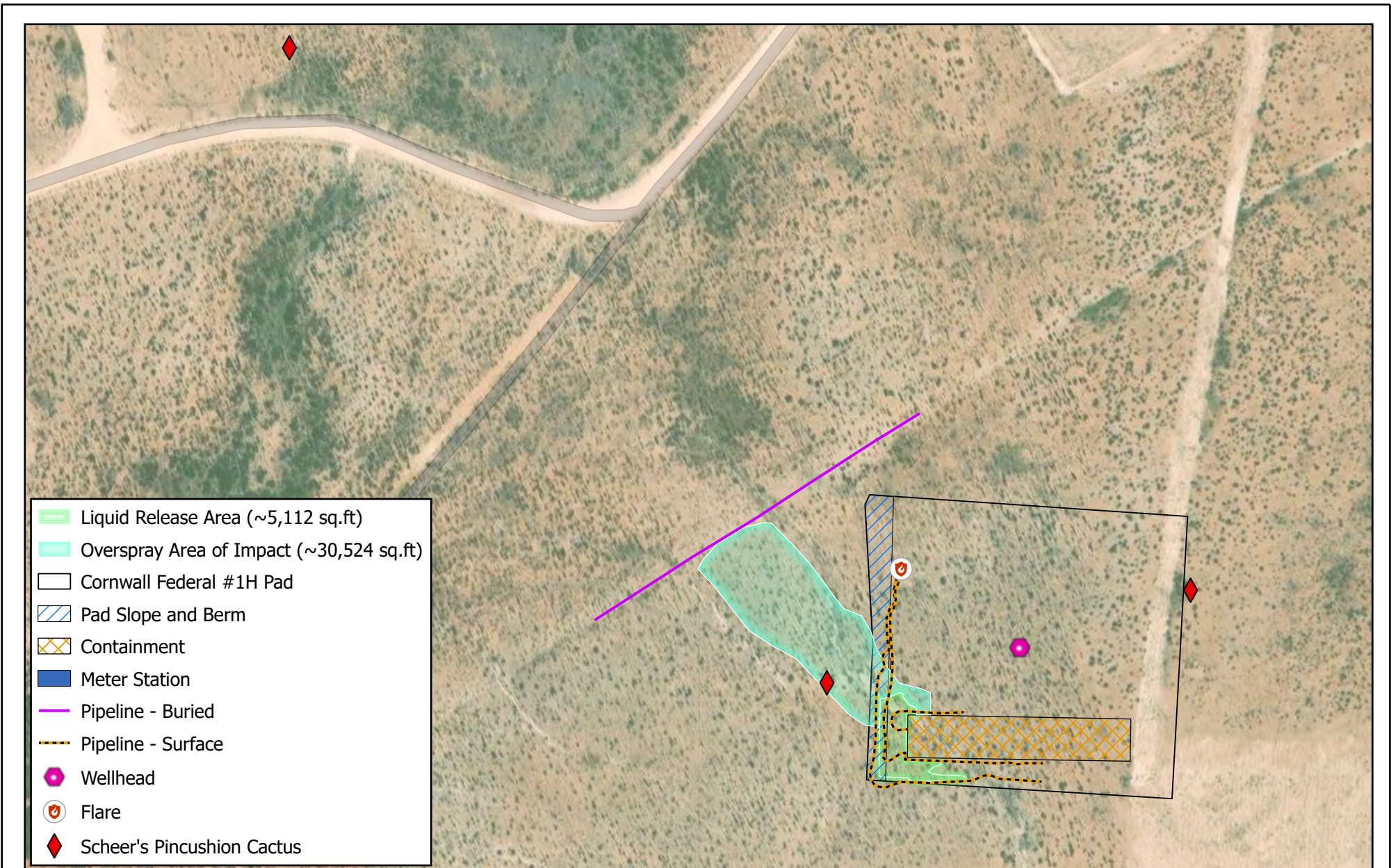
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

**Proposed Bioremediation Area
Cornwall Federal #001H**

FIGURE:
3

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, 2025. Site features from GPS, Vertex, 2025.



	<p>0 100 200 ft</p> <p>NAD 1983 StatePlane New Mexico East FIPS 3001 Feet</p>	<p>Map Center: Lat/Long: 32.996696°N, 104.063811°W</p> <p>Date: Jan 20/26</p>		<p>Site Overview Cornwall Federal #001H</p>	<p>FIGURE: 4</p>	
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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, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.

ATTACHMENT 2

Client Name: Mack Energy Corporation

Site Name: Cornwall Federal #001H

NMOCD Tracking #: nAPP2530359265

Project #: 25A-05756

Lab Reports: 885-37192 , 885-38048, 885-38104, 885-38368, 885-38378, 885-39514, 885-39702, and 885-43082

Table 2. Characterization Field Screening and Laboratory Results

Sample Description		Field Screening			Petroleum Hydrocarbons							Inorganic	
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration (ppm)	Volatile		Extractable					Chloride Concentration (mg/kg)
						Benzene (mg/kg)	BTEX (Total) (mg/kg)	Gasoline Range Organics (GRO) (mg/kg)	Diesel Range Organics (DRO) (mg/kg)	Motor Oil Range Organics (MIRO) (mg/kg)	(GRO + DRO) (mg/kg)	Total Petroleum Hydrocarbons (TPH) (mg/kg)	
Depth to Groundwater ≤ 50 feet bgs													
BH25-01	0	November 6, 2025	-	59	265	ND	ND	ND	90	47	90	137	120
	2	November 6, 2025	-	28	318	ND	ND	ND	61	ND	61	61	200
BH25-02	0	November 17, 2025	1	87	500	ND	ND	ND	11	ND	11	11	ND
	1.5	November 17, 2025	0	47	400	ND	ND	ND	ND	ND	ND	ND	ND
BH25-03	0	November 6, 2025	-	145	780	-	-	-	-	-	-	-	-
	2	November 6, 2025	-	-	548	-	-	-	-	-	-	-	-
BH25-04	0	November 6, 2025	-	23	145	ND	ND	ND	ND	ND	ND	ND	50
	2	November 6, 2025	-	52	89	ND	ND	ND	ND	ND	ND	ND	570
BH25-05	0	November 6, 2025	-	678	250	-	-	-	-	-	-	-	-
	2	November 6, 2025	-	14	445	-	-	-	-	-	-	-	-
BH25-06	0	November 6, 2025	-	-	945	-	-	-	-	-	-	-	-
	1	November 6, 2025	-	-	605	ND	ND	ND	100	48	100	148	500
	2	November 6, 2025	-	37	333	ND	ND	ND	12	ND	12	12	200
BH25-07	0	December 10, 2025	125	-	34,570	2.7	12	110	11000	7000	11110	18110	34000
	1	December 10, 2025	10	-	1,500	ND	ND	ND	ND	ND	ND	ND	480
	2	December 10, 2025	4	9	675	ND	ND	ND	ND	ND	ND	ND	190
	3	December 10, 2025	3	22	400	ND	ND	ND	ND	ND	ND	ND	99
BH25-08	0	November 17, 2025	1	-	1,750	ND	0.1	ND	1600	490	1600	2090	610
	1	November 17, 2025	1	57	500	ND	ND	ND	ND	ND	ND	ND	ND
BH25-09	0	November 17, 2025	1	-	1,250	ND	0.15	ND	1700	890	1700	2590	500
	1.5	November 17, 2025	1	24	500	ND	ND	ND	ND	ND	ND	ND	ND
BH25-10	0	November 18, 2025	0	222	400	ND	ND	ND	61	ND	61	61	ND
	1	November 18, 2025	0	33	475	ND	ND	ND	ND	ND	ND	ND	ND
BH25-11	0	November 18, 2025	0	-	625	ND	ND	ND	210	130	210	340	300
	1.5	November 18, 2025	0	11	250	ND	ND	ND	ND	ND	ND	ND	ND
BH25-12	0	November 18, 2025	0	131	450	ND	ND	ND	13	ND	13	13	ND
	1.5	November 18, 2025	0	28	400	ND	ND	ND	ND	ND	ND	ND	54
BH25-13	0	November 18, 2025	0	57	400	ND	ND	ND	ND	ND	ND	ND	ND
	1	November 18, 2025	0	36	375	ND	ND	ND	ND	ND	ND	ND	ND
BH25-14	0	November 18, 2025	0	-	850	ND	ND	ND	230	120	230	350	240
	2	November 18, 2025	0	6	350	ND	ND	ND	ND	ND	ND	ND	ND
BH25-15	0	November 18, 2025	0	-	1,250	ND	ND	ND	1200	640	1200	1840	560
	1	November 18, 2025	0	60	250	ND	ND	ND	ND	ND	ND	ND	ND
BH25-16	0	November 18, 2025	0	-	1,625	ND	ND	ND	2000	1000	2000	3000	690
	2	November 18, 2025	0	10	400	ND	ND	ND	ND	ND	ND	ND	ND
BH25-17	0	November 18, 2025	0	-	900	ND	ND	ND	780	670	780	1450	360
	1	November 18, 2025	0	55	250	ND	ND	ND	ND	ND	ND	ND	ND
BH25-18	0	November 19, 2025	0	118	500	ND	ND	ND	16	ND	16	16	ND
	1	November 19, 2025	0	35	250	ND	ND	ND	ND	ND	ND	ND	ND
BH25-19	0	November 19, 2025	0	75	375	ND	ND	ND	ND	ND	ND	ND	ND
	1	November 19, 2025	0	34	500	ND	ND	ND	ND	ND	ND	ND	59
BH25-20	0	November 19, 2025	0	41	300	ND	ND	ND	ND	ND	ND	ND	ND
	1.5	November 19, 2025	0	40	275	ND	ND	ND	ND	ND	ND	ND	ND
BH25-21	0	November 19, 2025	0	89	300	ND	ND	ND	28	ND	28	28	ND
	1	November 19, 2025	0	32	450	ND	ND	ND	ND	ND	ND	ND	82
BH25-22	0	November 19, 2025	0	133	275	ND	ND	ND	46	97	46	143	ND
	1	November 19, 2025	0	29	250	ND	ND	ND	ND	ND	ND	ND	ND
BH25-23	0	November 19, 2025	0	399	500	ND	ND	ND	200	180	200	380	93
	1.5	November 19, 2025	0	33	200	ND	ND	ND	ND	ND	ND	ND	100
BH25-24	0	November 19, 2025	0	322	375	ND	ND	ND	96	98	96	194	ND
	1	November 19, 2025	0	25	300	ND	ND	ND	ND	ND	ND	ND	ND
BH25-25	0	November 20, 2025	0	135	525	ND	ND	ND	15	ND	15	15	ND
	1	November 20, 2025	0	38	325	ND	ND	ND	ND	ND	ND	ND	ND
BH25-26	0	November 20, 2025	0	174	575	ND	ND	ND	25	ND	25	25	ND
	1	November 20, 2025	0	58	300	ND	ND	ND	ND	ND	ND	ND	ND



Client Name: Mack Energy Corporation
 Site Name: Cornwall Federal #001H
 NMOCD Tracking #: nAPP2530359265
 Project #: 25A-05756
 Lab Reports: 885-37192 , 885-38048, 885-38104, 885-38368, 885-38378, 885-39514, 885-39702, and 885-43082

Table 2. Characterization Field Screening and Laboratory Results

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Volatile		Extractable					Chloride Concentration
						Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Depth to Groundwater ≤ 50 feet bgs													
BH25-27	0	November 20, 2025	0	168	450	ND	ND	ND	26	ND	26	26	ND
	1	November 20, 2025	0	61	350	ND	ND	ND	ND	ND	ND	ND	ND
BH25-28	0	November 20, 2025	0	125	598	ND	ND	ND	ND	ND	ND	ND	ND
	1	November 20, 2025	0	64	200	ND	ND	ND	ND	ND	ND	ND	ND
BH25-29	0	November 20, 2025	0	45	450	ND	ND	ND	ND	ND	ND	ND	ND
	1	November 20, 2025	0	50	325	ND	ND	ND	ND	ND	ND	ND	ND
BH25-30	0	November 20, 2025	0	41	550	ND	ND	ND	ND	ND	ND	ND	ND
	1	November 20, 2025	0	51	400	ND	ND	ND	ND	ND	ND	ND	ND
BH25-31	0	November 20, 2025	0	29	500	ND	ND	ND	ND	ND	ND	ND	ND
	1	November 20, 2025	0	27	575	ND	ND	ND	ND	ND	ND	ND	ND
BH25-32	0	November 20, 2025	0	61	550	ND	ND	ND	ND	ND	ND	ND	ND
	1	November 20, 2025	0	52	450	ND	ND	ND	ND	ND	ND	ND	ND
BH25-33	0	November 21, 2025	0	47	375	ND	ND	ND	ND	ND	ND	ND	ND
	1.5	November 21, 2025	0	22	275	ND	ND	ND	ND	ND	ND	ND	ND
BH25-34	0	November 21, 2025	0	33	350	ND	ND	ND	ND	ND	ND	ND	ND
	1	November 21, 2025	0	33	375	ND	ND	ND	ND	ND	ND	ND	ND
BH25-35	0	November 21, 2025	0	114	400	ND	ND	ND	ND	ND	ND	ND	ND
	2	November 21, 2025	0	34	400	ND	ND	ND	ND	ND	ND	ND	ND
BH25-36	0	November 21, 2025	0	74	450	ND	ND	ND	ND	ND	ND	ND	ND
	1	November 21, 2025	0	85	350	ND	ND	ND	ND	ND	ND	ND	ND
BH25-37	0	November 21, 2025	0	121	325	ND	ND	ND	ND	ND	ND	ND	ND
	1	November 21, 2025	0	69	325	ND	ND	ND	ND	ND	ND	ND	ND
BH25-38	0	November 21, 2025	0	45	500	ND	ND	ND	ND	ND	ND	ND	ND
	1.5	November 21, 2025	0	31	300	ND	ND	ND	ND	ND	ND	ND	ND
BH25-39	0	November 21, 2025	0	121	300	ND	ND	ND	ND	ND	ND	ND	ND
	1	November 21, 2025	0	38	300	ND	ND	ND	ND	ND	ND	ND	ND
BH25-40	0	November 21, 2025	0	45	350	ND	ND	ND	ND	ND	ND	ND	ND
	1	November 21, 2025	0	42	275	ND	ND	ND	ND	ND	ND	ND	ND
BH25-41	0	November 21, 2025	0	51	400	ND	ND	ND	ND	ND	ND	ND	ND
	2	November 21, 2025	0	27	250	ND	ND	ND	ND	ND	ND	ND	ND
BH25-42	0	November 21, 2025	0	30	350	ND	ND	ND	ND	ND	ND	ND	ND
	2	November 21, 2025	0	11	350	ND	ND	ND	ND	ND	ND	ND	49
BH25-43	0	November 22, 2025	0	27	500	ND	ND	ND	ND	ND	ND	ND	75
	1.5	November 22, 2025	0	22	375	ND	ND	ND	ND	ND	ND	ND	ND
BH25-44	0	November 22, 2025	0	-	750	ND	ND	ND	ND	ND	ND	ND	130
	1	November 22, 2025	0	24	598	ND	ND	ND	ND	ND	ND	ND	180
BH25-45	0	November 22, 2025	0	-	450	ND	ND	ND	ND	ND	ND	ND	ND
	1	November 22, 2025	0	57	450	ND	ND	ND	ND	ND	ND	ND	120
BH25-46	0	November 22, 2025	0	-	350	ND	ND	ND	ND	ND	ND	ND	ND
	1.5	November 22, 2025	0	43	200	ND	ND	ND	ND	ND	ND	ND	ND
BH25-47	0	November 22, 2025	0	-	400	ND	ND	ND	38	89	38	127	60
	1	November 22, 2025	0	31	350	ND	ND	ND	ND	ND	ND	ND	ND
BH25-48	0	November 22, 2025	0	-	300	ND	ND	ND	10	ND	10	10	ND
	1	November 22, 2025	0	37	250	ND	ND	ND	ND	ND	ND	ND	ND
BH25-49	0	November 22, 2025	0	-	400	ND	ND	ND	74	98	74	172	63
	1	November 22, 2025	0	43	250	ND	ND	ND	ND	ND	ND	ND	ND
BH25-50	0	November 22, 2025	0	-	300	ND	ND	ND	ND	ND	ND	ND	ND
	1	November 22, 2025	0	35	250	ND	ND	ND	ND	ND	ND	ND	ND
BH25-51	0	November 22, 2025	0	-	350	ND	ND	ND	9.7	ND	9.7	9.7	ND
	1	November 22, 2025	0	52	350	ND	ND	ND	ND	ND	ND	ND	ND
BH25-52	0	November 22, 2025	973	-	6,000	ND	61	650	3000	2400	3650	6050	3900
	2	November 22, 2025	80	53	400	ND	ND	ND	20	ND	20	20	ND
	2.5	November 22, 2025	3	13	350	ND	ND	ND	ND	ND	ND	ND	ND
BH25-53	0	December 10, 2025	2	24	650	ND	ND	ND	ND	ND	ND	ND	210
	2	December 10, 2025	1	9	750	ND	ND	ND	ND	ND	ND	ND	350



Client Name: Mack Energy Corporation
 Site Name: Cornwall Federal #001H
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Table 2. Characterization Field Screening and Laboratory Results

Sample Description			Field Screening			Petroleum Hydrocarbons						Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Volatile		Extractable				Chloride Concentration
						Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Depth to Groundwater ≤ 50 feet bgs												
BH25-54	0	December 10, 2025	1	30	700	ND	ND	ND	ND	ND	ND	270
	2	December 10, 2025	0	8	650	ND	ND	ND	ND	ND	ND	310
BH25-55	0	December 10, 2025	2	1	500	ND	ND	ND	ND	ND	ND	170
	2	December 10, 2025	2	6	250	ND	ND	ND	ND	ND	ND	ND
BH25-56	0	December 10, 2025	1	-	16,000	-	-	-	-	-	-	-
	2	December 10, 2025	0	-	4,750	-	-	-	-	-	-	-
BH25-57	0	December 10, 2025	9	-	4,000	-	-	-	-	-	-	-
	2	December 10, 2025	3	-	1,250	-	-	-	-	-	-	-
BH25-58	0	December 11, 2025	0	4	625	ND	ND	ND	ND	ND	ND	290
	2	December 11, 2025	0	0	350	ND	ND	ND	ND	ND	ND	470
BH25-59	0	December 11, 2025	2	0	250	ND	ND	ND	ND	ND	ND	ND
	2	December 11, 2025	0	0	325	ND	ND	ND	ND	ND	ND	120
	4	December 11, 2025	0	0	300	ND	ND	ND	ND	ND	ND	140
BH25-60	0	December 11, 2025	0	62	400	ND	ND	ND	ND	ND	ND	70
	1	December 11, 2025	0	68	350	ND	ND	ND	ND	ND	ND	76
BH25-61	0	December 11, 2025	0	9	550	ND	ND	ND	ND	ND	ND	160
	2	December 11, 2025	0	0	598	ND	ND	ND	ND	ND	ND	320
BH25-62	0	December 11, 2025	0	0	400	ND	ND	ND	ND	ND	ND	150
	2	December 11, 2025	0	3	598	ND	ND	ND	ND	ND	ND	270
BH25-63	0	December 12, 2025	0	7	575	ND	ND	ND	ND	ND	ND	150
	2	December 12, 2025	0	4	550	ND	ND	ND	ND	ND	ND	160
BH25-64	0	December 12, 2025	1	2	350	ND	ND	ND	ND	ND	ND	130
	2	December 12, 2025	1	12	550	ND	ND	ND	ND	ND	ND	390
BH26-65	0	February 9, 2026	-	63	250	ND	ND	ND	ND	ND	ND	ND
	1	February 9, 2026	-	21	340	ND	ND	ND	ND	ND	ND	ND
BH26-66	0	February 9, 2026	-	162	250	ND	ND	ND	100	50	150	150
	1	February 9, 2026	-	32	325	ND	ND	ND	ND	ND	ND	ND
BH26-67	0	February 9, 2026	-	45	213	ND	ND	ND	ND	ND	ND	ND
	1	February 9, 2026	-	19	288	ND	ND	ND	ND	ND	ND	ND
BH26-68	0	February 9, 2026	-	82	225	ND	ND	ND	ND	ND	ND	ND
	1	February 9, 2026	-	22	313	ND	ND	ND	ND	ND	ND	ND

"ND" Not Detected at the Reporting Limit
 "-" indicates not analyzed/assessed

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

Bold and green shaded indicates exceedance outside of NMOCD Reclamation Closure Criteria



ATTACHMENT 3



Daily Site Visit Report

Client:	<u>Mack Energy Corporation</u>	Incident ID #:	_____
Site Location Name:	<u>Cornwall Federal #001H</u>	API #:	<u>30-005-64373</u>
Inspection Date:	<u>11/18/2025</u>		_____

Summary of Times

Arrived at Site	<u>11/18/2025 7:26 AM</u>
Departed Site	<u>11/18/2025 5:25 PM</u>

Field Notes

- 7:48** Completed JSA on arrival. On site to continue characterization of release and overspray areas.
- 8:52** Identified additional borehole locations and swept with magnetic locator prior to ground disturbance.
- 20:24** Advanced boreholes BH25-10 through BH25-17 in pasture west of pad. All samples were at least 50 feet from the mapped Scheele pincushion cactus.
- 20:25** Samples were collected from each borehole at surface and 2 feet bgs or refusal depth if shallower than 2 feet bgs.

Next Steps & Recommendations

1



Daily Site Visit Report

Site Photos

Viewing Direction: South



Descriptive Photo - 1
Viewing Direction: South
Date: At pad entrance facing south
Created: 11/19/2025 7:27:44 AM
Lat: 32.998238, Long: -104.081758

At pad entrance facing south.

Viewing Direction: Northeast



Descriptive Photo - 2
Viewing Direction: Northeast
Date: West of pad facing northeast. Advanced BH25-12 in pasture west of pad
Created: 11/19/2025 8:23:04 AM
Lat: 32.997744, Long: -104.080112

West of pad facing northeast. Advanced BH25-12 in pasture west of pad.

Viewing Direction: East



Descriptive Photo - 3
Viewing Direction: East
Date: West of pad facing east. Advanced BH25-13 in pasture west of pad
Created: 11/19/2025 8:23:04 AM
Lat: 32.998238, Long: -104.081758

West of pad facing east. Advanced BH25-13 in pasture west of pad.

Viewing Direction: East



Descriptive Photo - 4
Viewing Direction: East
Date: West of pad facing east. Advanced BH25-14 in pasture release area west of pad
Created: 11/19/2025 8:23:04 AM
Lat: 32.998238, Long: -104.081758

West of pad facing east. Advanced BH25-14 in pasture release area west of pad.



Daily Site Visit Report



West of pad facing southeast. Advanced BH25-15 in pasture release area west of pad.



West of pad facing southeast. Advanced BH25-17 in pasture release area west of pad.




West of pad facing south. Advanced BH25-11 in pasture west of pad.



West of pad facing south. Advanced BH25-10 in pasture west of pad.



Daily Site Visit Report

Viewing Direction: South
 <p><small>Description: Photo - 3 Image Size: 4000 x 3000 Dir: West of pad facing south. Advanced BH25-10 in pasture release area west of pad. Created: 11/19/2025 11:30:53 AM Lat: 33.49283, Long: -104.86308</small></p>
West of pad facing south. Advanced BH25-10 in pasture release area west of pad.

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:

A handwritten signature in black ink, appearing to be 'Lakin Pullman', written over a horizontal line.

Signature



Daily Site Visit Report

Client:	<u>Mack Energy Corporation</u>	Incident ID #:	_____
Site Location Name:	<u>Cornwall Federal #001H</u>	API #:	<u>30-005-64373</u>
Inspection Date:	<u>11/20/2025</u>		_____

Summary of Times

Arrived at Site	<u>11/20/2025 9:00 AM</u>
Departed Site	<u>11/20/2025 5:41 PM</u>

Field Notes

- 9:10** Completed JSA on arrival. On site to continue characterization of overspray in pasture west of pad.
- 10:18** Marked and mapped borehole locations in ArcGIS and swept with magnetic locator prior to ground disturbance.
- 19:35** Advanced boreholes BH25-25 through BH25-32 in pasture west of pad. All boreholes terminated at refusal depth of 1 feet bgs. Samples were collected at surface and 1 feet bgs (refusal depth).
- 19:38** Field screening results for all samples were below NMOCD strictest threshold for chloride. Field screening results at BH25-25 through BH25-28 exceeded NMOCD strictest threshold for TPH. Field screening results at BH25-29 through BH25-32 were below threshold for TPH.
- 19:40** Northwestern edge of overspray path tentatively delineated. Need to determine edges of impacted area.

Next Steps & Recommendations

- 1 Continue delineation of pasture west of pad.



Daily Site Visit Report

Site Photos

Viewing Direction: Southwest



West of pad facing southwest. Buried DCP gas line west of pad.

Viewing Direction: Southeast



West of pad facing southeast. Advanced BH25-25 in pasture southeast of DCP gas line.

Viewing Direction: North



West of pad facing south. Advanced BH25-26 in pasture southeast of DCP gas line.

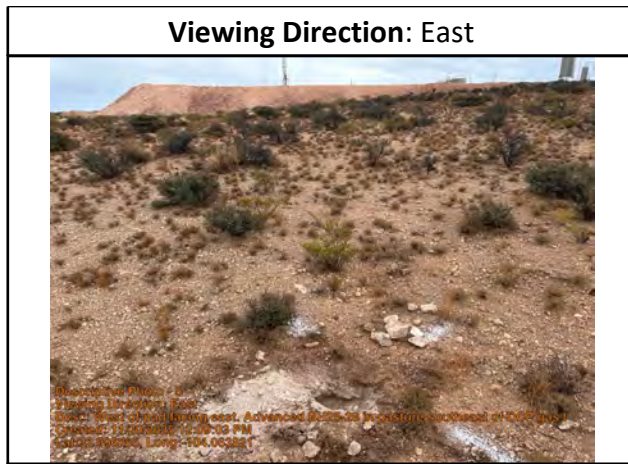
Viewing Direction: Northeast



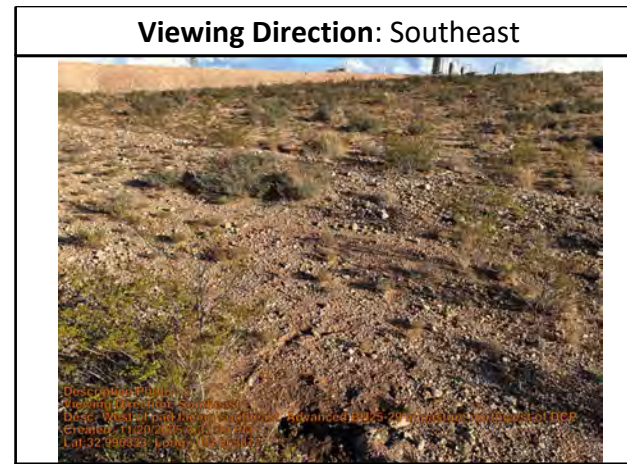
West of pad facing northeast. Advanced BH25-27 in pasture southeast of DCP gas line.



Daily Site Visit Report



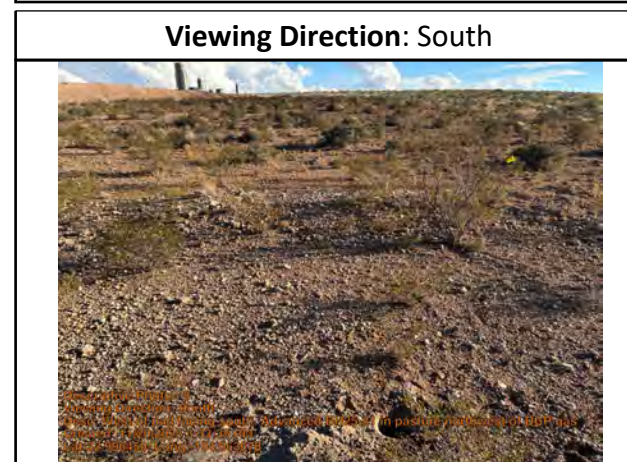
West of pad facing east. Advanced BH25-28 in pasture southeast of DCP gas line.



West of pad facing southeast. Advanced BH25-29 in pasture northwest of DCP gas line.




West of pad facing southeast. Advanced BH25-30 in pasture northwest of DCP gas line.



West of pad facing south. Advanced BH25-31 in pasture northwest of DCP gas line.



Daily Site Visit Report

<p>Viewing Direction: South</p>
 <p><small>Photo: 11/20/2025 4:33 AM Viewing Direction: South West of pad facing south. Advanced BH25-32 in pasture northwest of DCP gas line.</small></p>
<p>West of pad facing south. Advanced BH25-32 in pasture northwest of DCP gas line.</p>

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:

Signature

A handwritten signature in black ink, appearing to be 'LP', is written over a thin horizontal line. The word 'Signature' is printed in a small font directly below the line.



Daily Site Visit Report

Client:	<u>Mack Energy Corporation</u>	Incident ID #:	_____
Site Location Name:	<u>Cornwall Federal #001H</u>	API #:	<u>30-005-64373</u>
Inspection Date:	<u>11/22/2025</u>		_____

Summary of Times

Arrived at Site	<u>11/22/2025 7:26 AM</u>
Departed Site	<u>11/22/2025 5:24 PM</u>

Field Notes

- 10:38** Completed JSA on arrival. On site to continue delineation of overspray in pasture.
- 10:39** Determined and marked borehole locations and mapped with Juniper Geode in ArcGIS. Swept borehole locations with magnetic locator prior to ground disturbance.
- 19:55** Advanced borehole BH25-43 to attempt completion of horizontal delineation in pasture. Samples were collected at surface and refusal depth of 1.5 feet bgs.
- 19:57** Advanced boreholes BH25-44 through BH25-51 to refine boundaries of chloride impact in pasture. Samples were collected at surface and refusal depths of 1 or 1.5 feet bgs.
- 20:00** Advanced borehole BH25-51 at base of berm between pad and pasture to determine depth of impact at berm. Samples were collected at 0, 2, and 2.5 feet bgs (refusal depth).

Next Steps & Recommendations

- 1** Continue delineation of pad portion of release.



Daily Site Visit Report

Site Photos

Viewing Direction: South



Descriptive Photo - 1
Viewing Direction: South
Desc: At pad entrance facing south
Created: 11/22/2025 7:27:13 AM
Lat:32.597335, Long: -106.581777

At pad entrance facing south.

Viewing Direction: Northeast



Descriptive Photo - 2
Viewing Direction: Northeast
Desc: West of pad facing northeast. Advanced BH25-43 southwest of BH25-12.
Created: 11/22/2025 12:01:18 PM
Lat:32.59777, Long: -106.58225

West of pad facing northeast. Advanced BH25-43 southwest of BH25-12.

Viewing Direction: North



Descriptive Photo - 3
Viewing Direction: North
Desc: West of pad facing north. Advanced BH25-44 south of BH25-08.
Created: 11/22/2025 11:01:09 AM
Lat:32.597177, Long: -106.581777

West of pad facing north. Advanced BH25-44 south of BH25-08.

Viewing Direction: East



Descriptive Photo - 4
Viewing Direction: East
Desc: West of pad facing east. Advanced BH25-45 southwest of BH25-14.
Created: 11/22/2025 11:01:09 AM
Lat:32.59747, Long: -106.581427

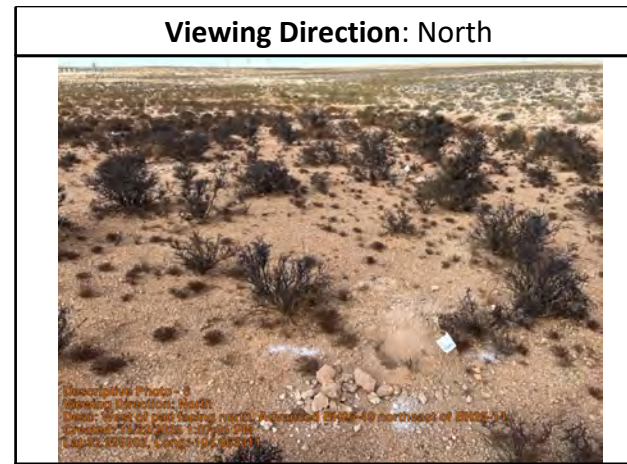
West of pad facing east. Advanced BH25-45 southwest of BH25-14.



Daily Site Visit Report



West of pad facing northeast east. Advanced BH25-46 northwest of BH25-14.



West of pad facing north. Advanced BH25-49 northeast of BH25-14.



West of pad facing south. Advanced BH25-47 west of BH25-17.



West of pad facing south. Advanced BH25-48 north of BH25-17.



Daily Site Visit Report

Viewing Direction: South

Disposal Area - 5
 Viewing Direction: South
 Date: West of pad facing south. Advanced BH25-50 north of BH25-11.
 Contact: 11/23/2025 12:23 PM
 Location: 30510, Area: 70000000

West of pad facing south. Advanced BH25-50 north of BH25-11.

Viewing Direction: South

Disposal Area - 10
 Viewing Direction: South
 Date: West of pad facing south. Advanced BH25-51 north of BH25-09.
 Contact: 11/23/2025 12:23 PM
 Location: 30510, Area: 70000000

West of pad facing south. Advanced BH25-51 north of BH25-09.

Viewing Direction: North

Disposal Area - 11
 Viewing Direction: North
 Date: At base of berm at west edge of pad facing north. Advanced BH25-52 within berm overspray area.
 Contact: 11/23/2025 12:23 PM
 Location: 30510, Area: 70000000

At base of berm at west edge of pad facing north. Advanced BH25-52 within berm overspray area.

Viewing Direction: South

Disposal Area - 11
 Viewing Direction: South
 Date: At base of berm at west edge of pad facing south. Advanced BH25-52 within berm overspray area.
 Contact: 11/23/2025 12:23 PM
 Location: 30510, Area: 70000000

At base of berm at west edge of pad facing south. Advanced BH25-52 within berm overspray area.

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:

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



Daily Site Visit Report

Client:	<u>Mack Energy Corporation</u>	Incident ID #:	_____
Site Location Name:	<u>Cornwall Federal #001H</u>	API #:	<u>30-005-64373</u>
Inspection Date:	<u>12/10/2025</u>		_____

Summary of Times

Arrived at Site	<u>12/10/2025 11:05 AM</u>
Departed Site	<u>12/10/2025 5:20 PM</u>

Field Notes

- 11:12** Completed JSA on arrival. On site to continue release characterization.
- 19:13** Identified, marked, and mapped borehole locations in ArcGIS with Juniper Geode. Swept borehole locations with magnetic locator prior to ground disturbance.
- 19:15** Advanced BH25-07 to 3 feet bgs for vertical delineation. Collected samples at 0, 1, 2, and 3 feet bgs. Field screening results for sample collected at 3 feet bgs were below NMOCD strictest criteria for chloride and TPH.
- 19:17** Advanced BH25-53 through BH25-57 to 2 feet bgs to attempt horizontal delineation. Collected samples at 0 and 2 feet bgs.

Next Steps & Recommendations

- 1 Continue delineation.



Daily Site Visit Report

Site Photos

Viewing Direction: South



Descriptive Photo - 1
Viewing Direction: South
Desc: At pad entrance facing south
Created: 12/10/2025 11:06:43 AM
Lat:32.894448, Long:-104.061177

At pad entrance facing south.

Viewing Direction: North



Descriptive Photo - 2
Viewing Direction: North
Desc: South of production equipment facing north. Advanced BH25-07 south of containment.
Created: 12/10/2025 12:58:39 PM
Lat:32.905539, Long:-104.062658

South of production equipment facing north. Advanced BH25-07 south of containment.

Viewing Direction: West



Descriptive Photo - 3
Viewing Direction: West
Desc: Southeast of production equipment facing west. Advanced BH25-53 south of containment.
Created: 12/10/2025 1:17:58 PM
Lat:32.905542, Long:-104.062793

Southeast of production equipment facing west. Advanced BH25-53 south of containment.

Viewing Direction: Northwest



Descriptive Photo - 4
Viewing Direction: Northwest
Desc: Southeast of production equipment facing northwest. Advanced BH25-55 south of containment.
Created: 12/10/2025 1:21:04 PM
Lat:32.905541, Long:-104.062792

Southeast of production equipment facing northwest. Advanced BH25-55 south of containment.



Daily Site Visit Report

Viewing Direction: North



Descriptive Photo:
Viewing Direction: North
Desc: South of production equipment facing north. Advanced BH25-54 south of BH25-03.
Created: 12/10/2025 2:26:17 PM
Lat: 32.195973, Long: -104.052928

South of production equipment facing north. Advanced BH25-54 south of BH25-03.

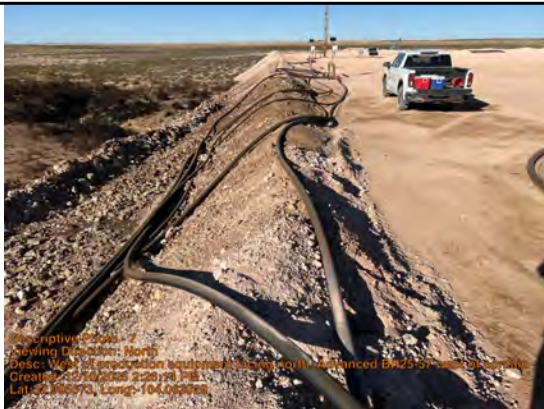
Viewing Direction: Northeast



Descriptive Photo:
Viewing Direction: Northeast
Desc: Southwest of production equipment facing northeast. Advanced BH25-56 southwest of containment.
Created: 12/10/2025 2:26:58 PM
Lat: 32.195973, Long: -104.052928

Southwest of production equipment facing northeast. Advanced BH25-56 southwest of containment.

Viewing Direction: North



Descriptive Photo:
Viewing Direction: North
Desc: West of production equipment facing north. Advanced BH25-57 west of containment.
Created: 12/10/2025 2:26:17 PM
Lat: 32.195973, Long: -104.052928

West of production equipment facing north. Advanced BH25-57 west of containment.

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:

A handwritten signature in black ink, appearing to be 'LP', written over a horizontal line.

Signature



Daily Site Visit Report

Site Photos

Viewing Direction: South



Descriptive Photo - 1
Viewing Direction: South
Desc: At pad entrance facing south
Created: 12/11/2025 7:53:14 AM
Lat: 32.28255, Long: -104.061751

At pad entrance facing south.

Viewing Direction: West



Descriptive Photo - 2
Viewing Direction: West
Desc: Southeast of production equipment facing west. Advanced BH25-58 east of BH25-53.
Created: 12/11/2025 8:09:13 AM
Lat: 32.28255, Long: -104.06207

Southeast of production equipment facing west. Advanced BH25-58 east of BH25-53.

Viewing Direction: North



Descriptive Photo - 3
Viewing Direction: North
Desc: Southwest of containment facing north. Advanced BH25-59 south-southwest of BH25-56.
Created: 12/11/2025 8:14:58 AM
Lat: 32.28255, Long: -104.061991

Southwest of containment facing north. Advanced BH25-59 south-southwest of BH25-56.

Viewing Direction: North



Descriptive Photo - 4
Viewing Direction: North
Desc: Immediately west of pad facing north. Advanced BH25-60 west of BH25-57.
Created: 12/11/2025 9:04:45 AM
Lat: 32.28255, Long: -104.063085

Immediately west of pad facing north. Advanced BH25-60 west of BH25-57.



Daily Site Visit Report

Viewing Direction: South



Describe Photo - S
Viewing Direction: South
Desc: North of containment facing south. Advanced BH25-61 north of BH25-01.
Created: 12/11/2025 10:23:04 AM
Lat:33.695860, Long:-104.062896

North of containment facing south. Advanced BH25-61 north of BH25-01.

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:

A handwritten signature in black ink, appearing to be 'LP', written over a horizontal line. The signature is stylized and cursive.

Signature



Daily Site Visit Report

Site Photos

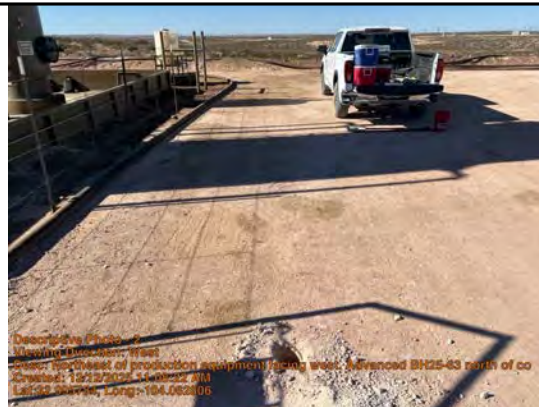
Viewing Direction: South



Describe Photo - 1
Viewing Direction: South
Location: At pad entrance facing south
Created: 12/12/2025 7:11:03 AM
Lat: 33.299456, Long: -104.071738

At pad entrance facing south.

Viewing Direction: West



Describe Photo - 1
Viewing Direction: West
Location: Northeast of production equipment facing west. Advanced BH25-63 north of co
Created: 12/12/2025 11:09:22 AM
Lat: 33.299456, Long: -104.082106

Northeast of production equipment facing west. Advanced BH25-63 north of containment.



Daily Site Visit Report

Viewing Direction: South



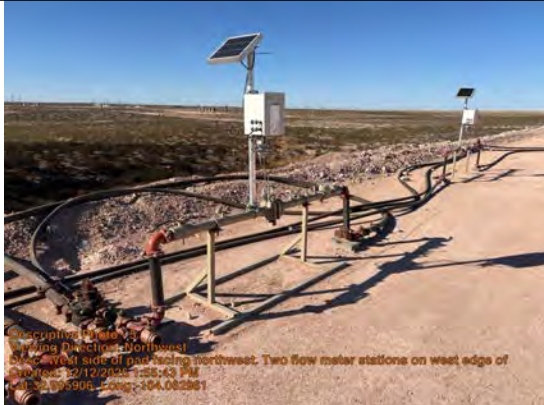
North-northwest of production equipment facing south. Advanced BH25-64 on west edge of pad.

Viewing Direction: Southwest



West side of pad facing southwest. Two flow meter stations on west edge of pad.

Viewing Direction: Northwest



West side of pad facing northwest. Two flow meter stations on west edge of pad.

Viewing Direction: North



West edge of pad facing north. Flow meter stations and poly lines on west edge of pad.



Daily Site Visit Report



West edge of pad facing south. Flow meter stations and poly lines on west edge of pad.



West edge of pad facing south. Poly lines over berm off west edge of pad.



West edge of pad facing south. Poly lines over berm off west edge of pad.



West edge of pad facing north. Poly lines over berm off west edge of pad.



Daily Site Visit Report

Viewing Direction: South



Descriptive Photo: 10
Viewing Direction: South
Date: West edge of pad facing south. Poly lines over berm off west edge of pad.
Created: 12/11/2025 10:43:21 AM
Lat: 32.065711 Long: 104.063097

West edge of pad facing south. Poly lines over berm off west edge of pad.

Viewing Direction: North



Descriptive Photo: 11
Viewing Direction: North
Date: Southwest of pad facing north. Poly lines over berm off west edge of pad.
Created: 12/11/2025 10:43:21 AM
Lat: 32.065711 Long: 104.063097

Southwest of pad facing north. Poly lines over berm off west edge of pad.

Viewing Direction: Northeast



Descriptive Photo: 12
Viewing Direction: Northeast
Date: Southwest of pad facing northeast. Poly lines on/off southwest corner of pad.
Created: 12/11/2025 2:06:20 PM
Lat: 32.065711 Long: 104.063097

Southwest of pad facing northeast. Poly lines on/off southwest corner of pad.

Viewing Direction: Northeast



Descriptive Photo: 13
Viewing Direction: Northeast
Date: Southwest of pad facing east-northeast. Poly lines on/off southwest corner of pad.
Created: 12/11/2025 2:06:20 PM
Lat: 32.065711 Long: 104.063097

Southwest of pad facing east-northeast. Poly lines on/off southwest corner of pad.



Daily Site Visit Report

Viewing Direction: Northwest



On slope south of pad facing northwest. Poly lines between containment and edge of pad.

Viewing Direction: West



Southwest of production equipment facing west. Poly lines between containment and edge of pad.

Viewing Direction: Northeast



West of production equipment facing northeast. Poly line adjacent to containment.

Viewing Direction: East



West edge of pad facing east. Poly line and fence adjacent to containment.



Daily Site Visit Report

Viewing Direction: West



Descriptive Photo: 14
Viewing Direction: West
Desc: Northeast of production equipment facing west. Poly line and fence adjacent
Created: 12/13/2025 2:16:31 PM
Lat: 32.9957 N, Long: -104.0677 W

Northeast of production equipment facing west. Poly line and fence adjacent to containment.

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:

A handwritten signature in black ink, appearing to be 'LP', written over a horizontal line.

Signature



Daily Field Log
Site: Cornwall Federal #001
Client: Mack Energy

02/09/2026

Location: Cornwall Federal #001

By: Steph McCarty

Table with 4 columns: Field Name, Value, Field Name, Value. Includes Weather (Clear|Warm), Staff On-site (Steph McCarty), Staff From Time (10:00), Tailgate meeting conducted (Yes), Contractor, Contractor Crew, Equipment On Site (N/A), Incident ID Number (nAPP2530359265).

Work Summary:

Marking out SSPS and soil sampling

Table with 2 columns: Time, Observations. Contains 5 entries detailing observation times and activities such as identifying cactus location, marking perimeter, and sample collection.

Handwritten signature of Steph McCarty

Inspector: Steph McCarty



Daily Field Log
Site: Cornwall Federal #001
Client: Mack Energy

Pictures/Attachments

Date: 2/9/2026
Time: 11:10
Notes: SSPS identified and marked out with 3 meter buffer area
Latitude: 0
Longitude: 0
Direction: NW



Date: 2/9/2026
Time: 11:26
Notes: Three meter buffer area with measuring tool and flagging stakes
Latitude: 32.995736111111114
Longitude: -104.063225
Direction: SW





Daily Field Log
Site: Cornwall Federal #001
Client: Mack Energy

Pictures/Attachments

Date: 2/9/2026
Time: 13:04
Notes: BH26-65 at 0 and 1 ft at NW corner. Using rock bar, hit refusal at 1 foot. Just outside of visible overspray.
Latitude: 32.99591111111111
Longitude: -104.06330833333332
Direction: NW





Daily Field Log
Site: Cornwall Federal #001
Client: Mack Energy

Pictures/Attachments

Date: 2/9/2026
Time: 13:04
Notes: BH26-66 at 0 and 1 ft at NE corner. Using rock bar, hit refusal at 1 foot. Just inside of visible overspray.
Latitude: 32.99591111111111
Longitude: -104.06330833333332
Direction: NW



Cornwall Federal #001|Lat: 32.99591, Lon: -104.06331|Azimuth: -1.00, Mon, Feb 9, 2026



Daily Field Log
Site: Cornwall Federal #001
Client: Mack Energy

Pictures/Attachments

Date: 2/9/2026
Time: 13:04
Notes: BH26-67 at 0 and 1 ft at SW corner. Using rock bar, hit refusal at 1 foot. Just outside of visible overspray.
Latitude: 32.99591111111111
Longitude: -104.06330833333332
Direction: NW



Cornwall Federal #001|Lat: 32.99591, Lon: -104.06331|Azimuth: -1.00, Mon, Feb 9, 2026



Daily Field Log
Site: Cornwall Federal #001
Client: Mack Energy

Pictures/Attachments

Date: 2/9/2026
Time: 13:04
Notes: BH26-68 at 0 and 1 ft at SE corner. Using rock bar, hit refusal at 1 foot. Just outside of visible overspray.
Latitude: 32.99591111111111
Longitude: -104.06330833333332
Direction: NW





Daily Field Log
Site: Cornwall Federal #001
Client: Mack Energy

Pictures/Attachments

Date: 2/9/2026
Time: 15:39
Notes: BH26-66 at 0 and 1 ft at NE corner. Using rock bar, hit refusal at 1 foot. Just inside of visible overspray as seen to north.
Latitude: 32.99937777777778
Longitude: -104.07106666666667
Direction: N





Daily Field Log
Site: Cornwall Federal #001
Client: Mack Energy

Pictures/Attachments

Date: 2/9/2026
 Time: 15:39
 Notes: BH26-66 at 0 and 1 ft at NE corner. Using rock bar, hit refusal at 1 foot. Just inside of visible overspray seen to north and east.
 Latitude: 32.99919166666667
 Longitude: -104.07098333333333
 Direction: N



Cornwall Federal #001|Lat: 32.99919, Lon: -104.07098|Azimuth: -1.00, Mon, Feb 9, 2026

Date: 2/9/2026
 Time: 15:56
 Notes: Over of area with visible overspray seen to north and east.
 Latitude: 0
 Longitude: 0
 Direction: S



Cornwall Federal #001|Lat: 0.00000, Lon: 0.00000|Azimuth: 307.27, Mon, Feb 9, 2026



Daily Field Log
Site: Cornwall Federal #001
Client: Mack Energy

Pictures/Attachments

Date: 2/9/2026
 Time: 15:56
 Notes: Over of area with visible overspray seen to north and east.
 Latitude: 0
 Longitude: 0
 Direction: S



Date: 2/9/2026
 Time: 15:56
 Notes: Over of area from east with visible overspray seen to north and east.
 Latitude: 32.995808333333336
 Longitude: -104.06336111111111
 Direction: S



ATTACHMENT 4



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/18/2025 12:02:55 PM

JOB DESCRIPTION

Cornwall Federal #001H

JOB NUMBER

885-37192-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109




Eurofins Albuquerque

Job Notes

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

Authorization



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11/18/2025 12:02:55 PM

Authorized for release by
Cheyenne Cason, Project Manager
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(505)338-8812

Client: Vertex
Project/Site: Cornwall Federal #001H

Laboratory Job ID: 885-37192-1



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Definitions/Glossary

Client: Vertex

Job ID: 885-37192-1

Project/Site: Cornwall Federal #001H

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: Cornwall Federal #001H

Job ID: 885-37192-1

Job ID: 885-37192-1

Eurofins Albuquerque

Job Narrative 885-37192-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 11/8/2025 8:00 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 5.1°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.

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Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-37192-1

Client Sample ID: BH25-01 0

Lab Sample ID: 885-37192-1

Date Collected: 11/06/25 10:00

Matrix: Solid

Date Received: 11/08/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/11/25 14:27	11/17/25 14:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/11/25 14:27	11/17/25 14:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/11/25 14:27	11/17/25 14:50	1
Ethylbenzene	ND		0.048	mg/Kg		11/11/25 14:27	11/17/25 14:50	1
Toluene	ND		0.048	mg/Kg		11/11/25 14:27	11/17/25 14:50	1
Xylenes, Total	ND		0.095	mg/Kg		11/11/25 14:27	11/17/25 14:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			11/11/25 14:27	11/17/25 14:50	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]	90		9.4	mg/Kg		11/11/25 16:03	11/12/25 14:01	1
Motor Oil Range Organics [C28-C40]	47		47	mg/Kg		11/11/25 16:03	11/12/25 14:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			11/11/25 16:03	11/12/25 14:01	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		50	mg/Kg		11/12/25 09:11	11/12/25 12:23	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-37192-1

Client Sample ID: BH25-01 2

Lab Sample ID: 885-37192-2

Date Collected: 11/06/25 10:30

Matrix: Solid

Date Received: 11/08/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/11/25 14:27	11/17/25 15:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/11/25 14:27	11/17/25 15:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/11/25 14:27	11/17/25 15:12	1
Ethylbenzene	ND		0.049	mg/Kg		11/11/25 14:27	11/17/25 15:12	1
Toluene	ND		0.049	mg/Kg		11/11/25 14:27	11/17/25 15:12	1
Xylenes, Total	ND		0.097	mg/Kg		11/11/25 14:27	11/17/25 15:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			11/11/25 14:27	11/17/25 15:12	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]	61		9.5	mg/Kg		11/11/25 16:03	11/12/25 14:25	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/11/25 16:03	11/12/25 14:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			11/11/25 16:03	11/12/25 14:25	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		51	mg/Kg		11/12/25 09:11	11/12/25 12:34	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-37192-1

Client Sample ID: BH25-04 0

Lab Sample ID: 885-37192-3

Date Collected: 11/06/25 11:00

Matrix: Solid

Date Received: 11/08/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/11/25 14:27	11/17/25 15:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/11/25 14:27	11/17/25 15:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/11/25 14:27	11/17/25 15:34	1
Ethylbenzene	ND		0.049	mg/Kg		11/11/25 14:27	11/17/25 15:34	1
Toluene	ND		0.049	mg/Kg		11/11/25 14:27	11/17/25 15:34	1
Xylenes, Total	ND		0.097	mg/Kg		11/11/25 14:27	11/17/25 15:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			11/11/25 14:27	11/17/25 15:34	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		11/11/25 16:03	11/12/25 14:48	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/11/25 16:03	11/12/25 14:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			11/11/25 16:03	11/12/25 14:48	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50		49	mg/Kg		11/12/25 09:11	11/12/25 13:07	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-37192-1

Client Sample ID: BH25-04 2

Lab Sample ID: 885-37192-4

Date Collected: 11/06/25 11:30

Matrix: Solid

Date Received: 11/08/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/11/25 14:27	11/17/25 15:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		15 - 150			11/11/25 14:27	11/17/25 15:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/11/25 14:27	11/17/25 15:56	1
Ethylbenzene	ND		0.049	mg/Kg		11/11/25 14:27	11/17/25 15:56	1
Toluene	ND		0.049	mg/Kg		11/11/25 14:27	11/17/25 15:56	1
Xylenes, Total	ND		0.099	mg/Kg		11/11/25 14:27	11/17/25 15:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			11/11/25 14:27	11/17/25 15:56	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		11/11/25 16:03	11/12/25 15:12	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/11/25 16:03	11/12/25 15:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			11/11/25 16:03	11/12/25 15:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	570		51	mg/Kg		11/12/25 09:11	11/12/25 13:17	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-37192-1

Client Sample ID: BH25-06 1

Lab Sample ID: 885-37192-5

Date Collected: 11/06/25 12:00

Matrix: Solid

Date Received: 11/08/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/11/25 14:27	11/17/25 16:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		15 - 150			11/11/25 14:27	11/17/25 16:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/11/25 14:27	11/17/25 16:18	1
Ethylbenzene	ND		0.047	mg/Kg		11/11/25 14:27	11/17/25 16:18	1
Toluene	ND		0.047	mg/Kg		11/11/25 14:27	11/17/25 16:18	1
Xylenes, Total	ND		0.094	mg/Kg		11/11/25 14:27	11/17/25 16:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			11/11/25 14:27	11/17/25 16:18	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]	100		9.6	mg/Kg		11/11/25 16:03	11/12/25 15:35	1
Motor Oil Range Organics [C28-C40]	48		48	mg/Kg		11/11/25 16:03	11/12/25 15:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			11/11/25 16:03	11/12/25 15:35	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	500		51	mg/Kg		11/12/25 09:11	11/12/25 13:28	10

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Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-37192-1

Client Sample ID: BH25-06 2

Lab Sample ID: 885-37192-6

Date Collected: 11/06/25 12:30

Matrix: Solid

Date Received: 11/08/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/11/25 14:27	11/17/25 16:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 150			11/11/25 14:27	11/17/25 16:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/11/25 14:27	11/17/25 16:40	1
Ethylbenzene	ND		0.048	mg/Kg		11/11/25 14:27	11/17/25 16:40	1
Toluene	ND		0.048	mg/Kg		11/11/25 14:27	11/17/25 16:40	1
Xylenes, Total	ND		0.095	mg/Kg		11/11/25 14:27	11/17/25 16:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			11/11/25 14:27	11/17/25 16:40	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]	12		9.8	mg/Kg		11/11/25 16:03	11/12/25 15:59	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/11/25 16:03	11/12/25 15:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			11/11/25 16:03	11/12/25 15:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		51	mg/Kg		11/12/25 09:11	11/12/25 13:39	10

QC Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-37192-1

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

Lab Sample ID: MB 885-38276/1-A
 Matrix: Solid
 Analysis Batch: 38577

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 38276

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/11/25 14:27	11/17/25 12:16	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		15 - 150			11/11/25 14:27	11/17/25 12:16	1

Lab Sample ID: LCS 885-38276/2-A
 Matrix: Solid
 Analysis Batch: 38577

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 38276

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	26.1		mg/Kg		104	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	219		15 - 150				

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-38276/1-A
 Matrix: Solid
 Analysis Batch: 38578

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 38276

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/11/25 14:27	11/17/25 12:16	1
Ethylbenzene	ND		0.050	mg/Kg		11/11/25 14:27	11/17/25 12:16	1
Toluene	ND		0.050	mg/Kg		11/11/25 14:27	11/17/25 12:16	1
Xylenes, Total	ND		0.10	mg/Kg		11/11/25 14:27	11/17/25 12:16	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			11/11/25 14:27	11/17/25 12:16	1

Lab Sample ID: LCS 885-38276/3-A
 Matrix: Solid
 Analysis Batch: 38578

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 38276

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.895		mg/Kg		89	70 - 130
Ethylbenzene	1.00	0.919		mg/Kg		92	70 - 130
m,p-Xylene	2.00	1.86		mg/Kg		93	70 - 130
o-Xylene	1.00	0.938		mg/Kg		94	70 - 130
Toluene	1.00	0.908		mg/Kg		91	70 - 130
Xylenes, Total	3.00	2.79		mg/Kg		93	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	100		15 - 150				

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QC Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-37192-1

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

Lab Sample ID: MB 885-38288/1-A
 Matrix: Solid
 Analysis Batch: 38310

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 38288

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		11/11/25 16:03	11/12/25 12:28	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/11/25 16:03	11/12/25 12:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			11/11/25 16:03	11/12/25 12:28	1

Lab Sample ID: LCS 885-38288/2-A
 Matrix: Solid
 Analysis Batch: 38310

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 38288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	52.0		mg/Kg		104	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	93		62 - 134				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-38314/1-A
 Matrix: Solid
 Analysis Batch: 38326

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 38314

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		4.9	mg/Kg		11/12/25 09:11	11/12/25 10:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits					
Chloride	98		90 - 110					

Lab Sample ID: LCS 885-38314/2-A
 Matrix: Solid
 Analysis Batch: 38326

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 38314

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.5	48.6		mg/Kg		98	90 - 110

QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-37192-1

GC VOA

Prep Batch: 38276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-37192-1	BH25-01 0	Total/NA	Solid	5030C	
885-37192-2	BH25-01 2	Total/NA	Solid	5030C	
885-37192-3	BH25-04 0	Total/NA	Solid	5030C	
885-37192-4	BH25-04 2	Total/NA	Solid	5030C	
885-37192-5	BH25-06 1	Total/NA	Solid	5030C	
885-37192-6	BH25-06 2	Total/NA	Solid	5030C	
MB 885-38276/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-38276/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-38276/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 38577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-37192-1	BH25-01 0	Total/NA	Solid	8015M/D	38276
885-37192-2	BH25-01 2	Total/NA	Solid	8015M/D	38276
885-37192-3	BH25-04 0	Total/NA	Solid	8015M/D	38276
885-37192-4	BH25-04 2	Total/NA	Solid	8015M/D	38276
885-37192-5	BH25-06 1	Total/NA	Solid	8015M/D	38276
885-37192-6	BH25-06 2	Total/NA	Solid	8015M/D	38276
MB 885-38276/1-A	Method Blank	Total/NA	Solid	8015M/D	38276
LCS 885-38276/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	38276

Analysis Batch: 38578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-37192-1	BH25-01 0	Total/NA	Solid	8021B	38276
885-37192-2	BH25-01 2	Total/NA	Solid	8021B	38276
885-37192-3	BH25-04 0	Total/NA	Solid	8021B	38276
885-37192-4	BH25-04 2	Total/NA	Solid	8021B	38276
885-37192-5	BH25-06 1	Total/NA	Solid	8021B	38276
885-37192-6	BH25-06 2	Total/NA	Solid	8021B	38276
MB 885-38276/1-A	Method Blank	Total/NA	Solid	8021B	38276
LCS 885-38276/3-A	Lab Control Sample	Total/NA	Solid	8021B	38276

GC Semi VOA

Prep Batch: 38288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-37192-1	BH25-01 0	Total/NA	Solid	SHAKE	
885-37192-2	BH25-01 2	Total/NA	Solid	SHAKE	
885-37192-3	BH25-04 0	Total/NA	Solid	SHAKE	
885-37192-4	BH25-04 2	Total/NA	Solid	SHAKE	
885-37192-5	BH25-06 1	Total/NA	Solid	SHAKE	
885-37192-6	BH25-06 2	Total/NA	Solid	SHAKE	
MB 885-38288/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-38288/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 38310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-37192-1	BH25-01 0	Total/NA	Solid	8015M/D	38288
885-37192-2	BH25-01 2	Total/NA	Solid	8015M/D	38288
885-37192-3	BH25-04 0	Total/NA	Solid	8015M/D	38288
885-37192-4	BH25-04 2	Total/NA	Solid	8015M/D	38288

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-37192-1

GC Semi VOA (Continued)

Analysis Batch: 38310 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-37192-5	BH25-06 1	Total/NA	Solid	8015M/D	38288
885-37192-6	BH25-06 2	Total/NA	Solid	8015M/D	38288
MB 885-38288/1-A	Method Blank	Total/NA	Solid	8015M/D	38288
LCS 885-38288/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	38288

HPLC/IC

Prep Batch: 38314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-37192-1	BH25-01 0	Total/NA	Solid	300_Prep	
885-37192-2	BH25-01 2	Total/NA	Solid	300_Prep	
885-37192-3	BH25-04 0	Total/NA	Solid	300_Prep	
885-37192-4	BH25-04 2	Total/NA	Solid	300_Prep	
885-37192-5	BH25-06 1	Total/NA	Solid	300_Prep	
885-37192-6	BH25-06 2	Total/NA	Solid	300_Prep	
MB 885-38314/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-38314/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 38326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-37192-1	BH25-01 0	Total/NA	Solid	300.0	38314
885-37192-2	BH25-01 2	Total/NA	Solid	300.0	38314
885-37192-3	BH25-04 0	Total/NA	Solid	300.0	38314
885-37192-4	BH25-04 2	Total/NA	Solid	300.0	38314
885-37192-5	BH25-06 1	Total/NA	Solid	300.0	38314
885-37192-6	BH25-06 2	Total/NA	Solid	300.0	38314
MB 885-38314/1-A	Method Blank	Total/NA	Solid	300.0	38314
LCS 885-38314/2-A	Lab Control Sample	Total/NA	Solid	300.0	38314

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-37192-1

Client Sample ID: BH25-01 0

Lab Sample ID: 885-37192-1

Date Collected: 11/06/25 10:00

Matrix: Solid

Date Received: 11/08/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38276	JP	EET ALB	11/11/25 14:27
Total/NA	Analysis	8015M/D		1	38577	AT	EET ALB	11/17/25 14:50
Total/NA	Prep	5030C			38276	JP	EET ALB	11/11/25 14:27
Total/NA	Analysis	8021B		1	38578	AT	EET ALB	11/17/25 14:50
Total/NA	Prep	SHAKE			38288	BV	EET ALB	11/11/25 16:03
Total/NA	Analysis	8015M/D		1	38310	EM	EET ALB	11/12/25 14:01
Total/NA	Prep	300_Prep			38314	JR	EET ALB	11/12/25 09:11
Total/NA	Analysis	300.0		10	38326	EH	EET ALB	11/12/25 12:23

Client Sample ID: BH25-01 2

Lab Sample ID: 885-37192-2

Date Collected: 11/06/25 10:30

Matrix: Solid

Date Received: 11/08/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38276	JP	EET ALB	11/11/25 14:27
Total/NA	Analysis	8015M/D		1	38577	AT	EET ALB	11/17/25 15:12
Total/NA	Prep	5030C			38276	JP	EET ALB	11/11/25 14:27
Total/NA	Analysis	8021B		1	38578	AT	EET ALB	11/17/25 15:12
Total/NA	Prep	SHAKE			38288	BV	EET ALB	11/11/25 16:03
Total/NA	Analysis	8015M/D		1	38310	EM	EET ALB	11/12/25 14:25
Total/NA	Prep	300_Prep			38314	JR	EET ALB	11/12/25 09:11
Total/NA	Analysis	300.0		10	38326	EH	EET ALB	11/12/25 12:34

Client Sample ID: BH25-04 0

Lab Sample ID: 885-37192-3

Date Collected: 11/06/25 11:00

Matrix: Solid

Date Received: 11/08/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38276	JP	EET ALB	11/11/25 14:27
Total/NA	Analysis	8015M/D		1	38577	AT	EET ALB	11/17/25 15:34
Total/NA	Prep	5030C			38276	JP	EET ALB	11/11/25 14:27
Total/NA	Analysis	8021B		1	38578	AT	EET ALB	11/17/25 15:34
Total/NA	Prep	SHAKE			38288	BV	EET ALB	11/11/25 16:03
Total/NA	Analysis	8015M/D		1	38310	EM	EET ALB	11/12/25 14:48
Total/NA	Prep	300_Prep			38314	JR	EET ALB	11/12/25 09:11
Total/NA	Analysis	300.0		10	38326	EH	EET ALB	11/12/25 13:07

Client Sample ID: BH25-04 2

Lab Sample ID: 885-37192-4

Date Collected: 11/06/25 11:30

Matrix: Solid

Date Received: 11/08/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38276	JP	EET ALB	11/11/25 14:27
Total/NA	Analysis	8015M/D		1	38577	AT	EET ALB	11/17/25 15:56

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-37192-1

Client Sample ID: BH25-04 2

Lab Sample ID: 885-37192-4

Date Collected: 11/06/25 11:30

Matrix: Solid

Date Received: 11/08/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38276	JP	EET ALB	11/11/25 14:27
Total/NA	Analysis	8021B		1	38578	AT	EET ALB	11/17/25 15:56
Total/NA	Prep	SHAKE			38288	BV	EET ALB	11/11/25 16:03
Total/NA	Analysis	8015M/D		1	38310	EM	EET ALB	11/12/25 15:12
Total/NA	Prep	300_Prep			38314	JR	EET ALB	11/12/25 09:11
Total/NA	Analysis	300.0		10	38326	EH	EET ALB	11/12/25 13:17

Client Sample ID: BH25-06 1

Lab Sample ID: 885-37192-5

Date Collected: 11/06/25 12:00

Matrix: Solid

Date Received: 11/08/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38276	JP	EET ALB	11/11/25 14:27
Total/NA	Analysis	8015M/D		1	38577	AT	EET ALB	11/17/25 16:18
Total/NA	Prep	5030C			38276	JP	EET ALB	11/11/25 14:27
Total/NA	Analysis	8021B		1	38578	AT	EET ALB	11/17/25 16:18
Total/NA	Prep	SHAKE			38288	BV	EET ALB	11/11/25 16:03
Total/NA	Analysis	8015M/D		1	38310	EM	EET ALB	11/12/25 15:35
Total/NA	Prep	300_Prep			38314	JR	EET ALB	11/12/25 09:11
Total/NA	Analysis	300.0		10	38326	EH	EET ALB	11/12/25 13:28

Client Sample ID: BH25-06 2

Lab Sample ID: 885-37192-6

Date Collected: 11/06/25 12:30

Matrix: Solid

Date Received: 11/08/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38276	JP	EET ALB	11/11/25 14:27
Total/NA	Analysis	8015M/D		1	38577	AT	EET ALB	11/17/25 16:40
Total/NA	Prep	5030C			38276	JP	EET ALB	11/11/25 14:27
Total/NA	Analysis	8021B		1	38578	AT	EET ALB	11/17/25 16:40
Total/NA	Prep	SHAKE			38288	BV	EET ALB	11/11/25 16:03
Total/NA	Analysis	8015M/D		1	38310	EM	EET ALB	11/12/25 15:59
Total/NA	Prep	300_Prep			38314	JR	EET ALB	11/12/25 09:11
Total/NA	Analysis	300.0		10	38326	EH	EET ALB	11/12/25 13:39

Laboratory References:

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

Accreditation/Certification Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-37192-1

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	02-27-26

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

Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics [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	02-26-26
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Chain-of-Custody Record

Client: MACK ENERGY VERTEX
BILL TO MACK
 Mailing Address: 3101 BOYD DR
CARLSBAD NM
 Phone #:
 email or Fax#:
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard Rush 9 AM
 Project Name: CORNWALL FEDERAL
#001H
 Project #: 25A-05756
 Project Manager: SALLY CARTAR
S CARTAR @ VERTEX.CA
 Sampler: KATRINA TAYLOR
 On Ice: Yes No jae
 # of Coolers: 1
 Cooler Temp (including CF): 4.9 + 0.2 = 5.1 (°C)



HALL ENVIRONMENTAL ANALYSIS LABOR

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87108 885-37192 COC
 Tel. 505-345-3975 Fax 505-345-4107



Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	Analysis Request													
							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)			
11/18	10:00	Soil	BH25-01	0	4oz, 1	ILG	X	X								X				
	10:50		BH25-01	2																
	11:00		BH25-04	0																
	11:30		BH25-04	2																
	12:00		BS25-06	1																
	12:50		BS25-06	2																

Date: _____ Time: _____ Relinquished by: _____
 Received by: [Signature] Via: [Signature] Date: 11/17/25 Time: 8:45
 Received by: _____ Via: _____ Date: _____ Time: _____

Remarks: NO: 30-005-64373
ATTN: MATTSUCKLES@MEL.COM
CC: SALLY CARTAR & KATRINA TAYLOR
BILL MACK ENERGY

Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-37192-1

Login Number: 37192

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/3/2025 12:53:17 PM

JOB DESCRIPTION

Cornwall Federal #001H

JOB NUMBER

885-38048-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

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

Authorization



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Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)338-8812

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Client: Vertex
Project/Site: Cornwall Federal #001H

Laboratory Job ID: 885-38048-1



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Definitions/Glossary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

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

Eurofins Albuquerque

Case Narrative

Client: Vertex
Project: Cornwall Federal #001H

Job ID: 885-38048-1

Job ID: 885-38048-1

Eurofins Albuquerque

Job Narrative 885-38048-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 11/20/2025 7:50 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 5.0°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 following samples required a dilution due to the nature of the sample matrix: BH25-08 0' (885-38048-3) and BH25-09 0' (885-38048-5). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8015D_DRO: Surrogate recovery for the following samples were outside control limits: BH25-14 0' (885-38048-15), (885-38048-A-15-C MS) and (885-38048-A-15-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. The MS/MSD confirm the low surrogate recovery in the parent sample.

Method 8015D_DRO: Surrogate recovery for the following sample was outside control limits: BH25-11 0' (885-38048-9). Re-extraction and/or re-analysis was performed and surrogate recovery was outside control limits.

Method 8015D_DRO: The following sample(s) required a dilution due to the nature of the sample matrix: Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

HPLC/IC

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

Eurofins Albuquerque

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-02 0'

Lab Sample ID: 885-38048-1

Date Collected: 11/17/25 14:52

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6	mg/Kg		11/20/25 16:15	11/21/25 19:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 150			11/20/25 16:15	11/21/25 19:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/20/25 16:15	11/21/25 19:36	1
Ethylbenzene	ND		0.046	mg/Kg		11/20/25 16:15	11/21/25 19:36	1
Toluene	ND		0.046	mg/Kg		11/20/25 16:15	11/21/25 19:36	1
Xylenes, Total	ND		0.092	mg/Kg		11/20/25 16:15	11/21/25 19:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			11/20/25 16:15	11/21/25 19:36	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		9.7	mg/Kg		11/21/25 11:51	11/21/25 19:54	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/21/25 11:51	11/21/25 19:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			11/21/25 11:51	11/21/25 19:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/21/25 11:07	11/21/25 21:53	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-02 1.5'

Lab Sample ID: 885-38048-2

Date Collected: 11/17/25 15:22

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/20/25 16:15	11/21/25 19:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/20/25 16:15	11/21/25 19:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/20/25 16:15	11/21/25 19:57	1
Ethylbenzene	ND		0.048	mg/Kg		11/20/25 16:15	11/21/25 19:57	1
Toluene	ND		0.048	mg/Kg		11/20/25 16:15	11/21/25 19:57	1
Xylenes, Total	ND		0.097	mg/Kg		11/20/25 16:15	11/21/25 19:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			11/20/25 16:15	11/21/25 19:57	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		9.8	mg/Kg		11/21/25 11:51	11/21/25 20:05	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/21/25 11:51	11/21/25 20:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			11/21/25 11:51	11/21/25 20:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/21/25 11:07	11/21/25 22:06	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-08 0'

Lab Sample ID: 885-38048-3

Date Collected: 11/17/25 15:30

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/20/25 16:15	11/21/25 20:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/20/25 16:15	11/21/25 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/20/25 16:15	11/21/25 20:19	1
Ethylbenzene	ND		0.048	mg/Kg		11/20/25 16:15	11/21/25 20:19	1
Toluene	ND		0.048	mg/Kg		11/20/25 16:15	11/21/25 20:19	1
Xylenes, Total	0.10		0.095	mg/Kg		11/20/25 16:15	11/21/25 20:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			11/20/25 16:15	11/21/25 20:19	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]	1600		91	mg/Kg		11/21/25 11:51	11/21/25 20:16	10
Motor Oil Range Organics [C28-C40]	490		460	mg/Kg		11/21/25 11:51	11/21/25 20:16	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	0	S1- D	62 - 134			11/21/25 11:51	11/21/25 20:16	10

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	610		50	mg/Kg		11/21/25 11:07	11/21/25 22:20	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-08 1'

Lab Sample ID: 885-38048-4

Date Collected: 11/17/25 15:36

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/20/25 16:15	11/21/25 20:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 150			11/20/25 16:15	11/21/25 20:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/20/25 16:15	11/21/25 20:41	1
Ethylbenzene	ND		0.047	mg/Kg		11/20/25 16:15	11/21/25 20:41	1
Toluene	ND		0.047	mg/Kg		11/20/25 16:15	11/21/25 20:41	1
Xylenes, Total	ND		0.094	mg/Kg		11/20/25 16:15	11/21/25 20:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			11/20/25 16:15	11/21/25 20:41	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		9.6	mg/Kg		11/21/25 11:51	11/21/25 20:39	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/21/25 11:51	11/21/25 20:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			11/21/25 11:51	11/21/25 20:39	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/21/25 11:07	11/21/25 22:33	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-09 0'

Lab Sample ID: 885-38048-5

Date Collected: 11/17/25 15:44

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/20/25 16:15	11/21/25 21:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			11/20/25 16:15	11/21/25 21:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/20/25 16:15	11/21/25 21:03	1
Ethylbenzene	ND		0.048	mg/Kg		11/20/25 16:15	11/21/25 21:03	1
Toluene	ND		0.048	mg/Kg		11/20/25 16:15	11/21/25 21:03	1
Xylenes, Total	0.15		0.097	mg/Kg		11/20/25 16:15	11/21/25 21:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			11/20/25 16:15	11/21/25 21:03	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]	1700		19	mg/Kg		11/21/25 11:51	11/26/25 11:10	2
Motor Oil Range Organics [C28-C40]	890		93	mg/Kg		11/21/25 11:51	11/26/25 11:10	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			11/21/25 11:51	11/26/25 11:10	2

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	500		50	mg/Kg		11/21/25 11:07	11/21/25 22:47	10

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Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-09 1.5'

Lab Sample ID: 885-38048-6

Date Collected: 11/17/25 15:57

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6	mg/Kg		11/20/25 16:15	11/21/25 21:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			11/20/25 16:15	11/21/25 21:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/20/25 16:15	11/21/25 21:46	1
Ethylbenzene	ND		0.046	mg/Kg		11/20/25 16:15	11/21/25 21:46	1
Toluene	ND		0.046	mg/Kg		11/20/25 16:15	11/21/25 21:46	1
Xylenes, Total	ND		0.093	mg/Kg		11/20/25 16:15	11/21/25 21:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			11/20/25 16:15	11/21/25 21:46	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		9.6	mg/Kg		11/21/25 11:51	11/21/25 21:01	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/21/25 11:51	11/21/25 21:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	69		62 - 134			11/21/25 11:51	11/21/25 21:01	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/21/25 11:07	11/21/25 23:01	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-10 0'

Lab Sample ID: 885-38048-7

Date Collected: 11/18/25 11:43

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/20/25 16:15	11/21/25 22:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/20/25 16:15	11/21/25 22:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/20/25 16:15	11/21/25 22:08	1
Ethylbenzene	ND		0.047	mg/Kg		11/20/25 16:15	11/21/25 22:08	1
Toluene	ND		0.047	mg/Kg		11/20/25 16:15	11/21/25 22:08	1
Xylenes, Total	ND		0.093	mg/Kg		11/20/25 16:15	11/21/25 22:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			11/20/25 16:15	11/21/25 22:08	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]	61		8.4	mg/Kg		11/21/25 11:51	11/21/25 21:12	1
Motor Oil Range Organics [C28-C40]	ND		42	mg/Kg		11/21/25 11:51	11/21/25 21:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			11/21/25 11:51	11/21/25 21:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		11/21/25 11:07	11/21/25 23:14	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-10 1'

Lab Sample ID: 885-38048-8

Date Collected: 11/18/25 12:15

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/20/25 16:15	11/21/25 22:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/20/25 16:15	11/21/25 22:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/20/25 16:15	11/21/25 22:29	1
Ethylbenzene	ND		0.047	mg/Kg		11/20/25 16:15	11/21/25 22:29	1
Toluene	ND		0.047	mg/Kg		11/20/25 16:15	11/21/25 22:29	1
Xylenes, Total	ND		0.094	mg/Kg		11/20/25 16:15	11/21/25 22:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			11/20/25 16:15	11/21/25 22:29	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		11/21/25 11:51	11/21/25 21:24	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		11/21/25 11:51	11/21/25 21:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			11/21/25 11:51	11/21/25 21:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		11/21/25 11:07	11/21/25 23:28	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-11 0'

Lab Sample ID: 885-38048-9

Date Collected: 11/18/25 11:20

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/20/25 16:15	11/21/25 22:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 150			11/20/25 16:15	11/21/25 22:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/20/25 16:15	11/21/25 22:51	1
Ethylbenzene	ND		0.047	mg/Kg		11/20/25 16:15	11/21/25 22:51	1
Toluene	ND		0.047	mg/Kg		11/20/25 16:15	11/21/25 22:51	1
Xylenes, Total	ND		0.093	mg/Kg		11/20/25 16:15	11/21/25 22:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			11/20/25 16:15	11/21/25 22:51	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]	210		9.8	mg/Kg		11/25/25 15:27	11/25/25 17:47	1
Motor Oil Range Organics [C28-C40]	130		49	mg/Kg		11/25/25 15:27	11/25/25 17:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	29	S1-	62 - 134			11/25/25 15:27	11/25/25 17:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		50	mg/Kg		11/21/25 11:07	11/21/25 23:42	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-11 1.5'

Lab Sample ID: 885-38048-10

Date Collected: 11/18/25 11:33

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/20/25 16:15	11/21/25 23:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/20/25 16:15	11/21/25 23:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/20/25 16:15	11/21/25 23:13	1
Ethylbenzene	ND		0.047	mg/Kg		11/20/25 16:15	11/21/25 23:13	1
Toluene	ND		0.047	mg/Kg		11/20/25 16:15	11/21/25 23:13	1
Xylenes, Total	ND		0.095	mg/Kg		11/20/25 16:15	11/21/25 23:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			11/20/25 16:15	11/21/25 23:13	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		9.6	mg/Kg		11/21/25 11:51	11/21/25 21:46	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/21/25 11:51	11/21/25 21:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			11/21/25 11:51	11/21/25 21:46	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/21/25 11:07	11/22/25 00:23	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-12 0'

Lab Sample ID: 885-38048-11

Date Collected: 11/18/25 09:00

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/20/25 16:15	11/21/25 23:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/20/25 16:15	11/21/25 23:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/20/25 16:15	11/21/25 23:35	1
Ethylbenzene	ND		0.049	mg/Kg		11/20/25 16:15	11/21/25 23:35	1
Toluene	ND		0.049	mg/Kg		11/20/25 16:15	11/21/25 23:35	1
Xylenes, Total	ND		0.097	mg/Kg		11/20/25 16:15	11/21/25 23:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			11/20/25 16:15	11/21/25 23:35	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]	13		9.1	mg/Kg		11/21/25 11:51	11/21/25 21:57	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		11/21/25 11:51	11/21/25 21:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			11/21/25 11:51	11/21/25 21:57	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/21/25 11:07	11/22/25 00:36	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-12 1.5'

Lab Sample ID: 885-38048-12

Date Collected: 11/18/25 09:17

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/20/25 16:15	11/21/25 23:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/20/25 16:15	11/21/25 23:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/20/25 16:15	11/21/25 23:56	1
Ethylbenzene	ND		0.047	mg/Kg		11/20/25 16:15	11/21/25 23:56	1
Toluene	ND		0.047	mg/Kg		11/20/25 16:15	11/21/25 23:56	1
Xylenes, Total	ND		0.095	mg/Kg		11/20/25 16:15	11/21/25 23:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			11/20/25 16:15	11/21/25 23:56	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		11/21/25 11:51	11/21/25 22:09	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/21/25 11:51	11/21/25 22:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			11/21/25 11:51	11/21/25 22:09	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54		49	mg/Kg		11/21/25 11:07	11/22/25 00:50	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-13 0'

Lab Sample ID: 885-38048-13

Date Collected: 11/18/25 09:32

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/20/25 16:15	11/22/25 00:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			11/20/25 16:15	11/22/25 00:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/20/25 16:15	11/22/25 00:18	1
Ethylbenzene	ND		0.050	mg/Kg		11/20/25 16:15	11/22/25 00:18	1
Toluene	ND		0.050	mg/Kg		11/20/25 16:15	11/22/25 00:18	1
Xylenes, Total	ND		0.10	mg/Kg		11/20/25 16:15	11/22/25 00:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			11/20/25 16:15	11/22/25 00:18	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]	ND		8.9	mg/Kg		11/21/25 11:51	11/21/25 22:20	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		11/21/25 11:51	11/21/25 22:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			11/21/25 11:51	11/21/25 22:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/21/25 11:07	11/22/25 01:04	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-13 1'

Lab Sample ID: 885-38048-14

Date Collected: 11/18/25 09:45

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/20/25 16:15	11/22/25 00:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/20/25 16:15	11/22/25 00:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/20/25 16:15	11/22/25 00:40	1
Ethylbenzene	ND		0.047	mg/Kg		11/20/25 16:15	11/22/25 00:40	1
Toluene	ND		0.047	mg/Kg		11/20/25 16:15	11/22/25 00:40	1
Xylenes, Total	ND		0.093	mg/Kg		11/20/25 16:15	11/22/25 00:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			11/20/25 16:15	11/22/25 00:40	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		11/21/25 11:51	11/21/25 22:42	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/21/25 11:51	11/21/25 22:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			11/21/25 11:51	11/21/25 22:42	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/21/25 11:07	11/22/25 01:17	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-14 0'

Lab Sample ID: 885-38048-15

Date Collected: 11/18/25 10:04

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6	mg/Kg		11/20/25 16:15	11/22/25 01:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/20/25 16:15	11/22/25 01:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/20/25 16:15	11/22/25 01:01	1
Ethylbenzene	ND		0.046	mg/Kg		11/20/25 16:15	11/22/25 01:01	1
Toluene	ND		0.046	mg/Kg		11/20/25 16:15	11/22/25 01:01	1
Xylenes, Total	ND		0.092	mg/Kg		11/20/25 16:15	11/22/25 01:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			11/20/25 16:15	11/22/25 01:01	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]	230		9.0	mg/Kg		11/21/25 11:51	11/21/25 22:53	1
Motor Oil Range Organics [C28-C40]	120		45	mg/Kg		11/21/25 11:51	11/21/25 22:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	40	S1-	62 - 134			11/21/25 11:51	11/21/25 22:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		50	mg/Kg		11/21/25 18:10	11/22/25 11:21	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-14 2'

Lab Sample ID: 885-38048-16

Date Collected: 11/18/25 10:25

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/21/25 12:38	11/22/25 14:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 150			11/21/25 12:38	11/22/25 14:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/21/25 12:38	11/22/25 14:13	1
Ethylbenzene	ND		0.047	mg/Kg		11/21/25 12:38	11/22/25 14:13	1
Toluene	ND		0.047	mg/Kg		11/21/25 12:38	11/22/25 14:13	1
Xylenes, Total	ND		0.094	mg/Kg		11/21/25 12:38	11/22/25 14:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/21/25 12:38	11/22/25 14:13	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		11/24/25 11:22	11/24/25 21:24	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/24/25 11:22	11/24/25 21:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			11/24/25 11:22	11/24/25 21:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		11/21/25 18:10	11/22/25 11:52	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-15 0'

Lab Sample ID: 885-38048-17

Date Collected: 11/18/25 10:35

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/21/25 12:38	11/22/25 15:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/21/25 12:38	11/22/25 15:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/21/25 12:38	11/22/25 15:24	1
Ethylbenzene	ND		0.050	mg/Kg		11/21/25 12:38	11/22/25 15:24	1
Toluene	ND		0.050	mg/Kg		11/21/25 12:38	11/22/25 15:24	1
Xylenes, Total	ND		0.099	mg/Kg		11/21/25 12:38	11/22/25 15:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			11/21/25 12:38	11/22/25 15:24	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]	1200		20	mg/Kg		11/24/25 11:22	12/02/25 13:06	2
Motor Oil Range Organics [C28-C40]	640		98	mg/Kg		11/24/25 11:22	12/02/25 13:06	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			11/24/25 11:22	12/02/25 13:06	2

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	560		51	mg/Kg		11/21/25 18:10	11/22/25 12:03	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-15 1'

Lab Sample ID: 885-38048-18

Date Collected: 11/18/25 10:50

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/21/25 12:38	11/22/25 16:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 150			11/21/25 12:38	11/22/25 16:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/21/25 12:38	11/22/25 16:35	1
Ethylbenzene	ND		0.050	mg/Kg		11/21/25 12:38	11/22/25 16:35	1
Toluene	ND		0.050	mg/Kg		11/21/25 12:38	11/22/25 16:35	1
Xylenes, Total	ND		0.10	mg/Kg		11/21/25 12:38	11/22/25 16:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/21/25 12:38	11/22/25 16:35	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		9.9	mg/Kg		11/24/25 11:22	11/26/25 11:26	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/24/25 11:22	11/26/25 11:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			11/24/25 11:22	11/26/25 11:26	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		11/21/25 18:10	11/22/25 12:34	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-16 0'

Lab Sample ID: 885-38048-19

Date Collected: 11/18/25 12:20

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/21/25 12:38	11/22/25 16:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			11/21/25 12:38	11/22/25 16:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/21/25 12:38	11/22/25 16:58	1
Ethylbenzene	ND		0.047	mg/Kg		11/21/25 12:38	11/22/25 16:58	1
Toluene	ND		0.047	mg/Kg		11/21/25 12:38	11/22/25 16:58	1
Xylenes, Total	ND		0.094	mg/Kg		11/21/25 12:38	11/22/25 16:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/21/25 12:38	11/22/25 16:58	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]	2000		99	mg/Kg		11/24/25 11:22	11/26/25 11:49	10
Motor Oil Range Organics [C28-C40]	1000		490	mg/Kg		11/24/25 11:22	11/26/25 11:49	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	0	D S1-	62 - 134			11/24/25 11:22	11/26/25 11:49	10

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	690		51	mg/Kg		11/21/25 18:10	11/22/25 12:44	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-16 2'

Lab Sample ID: 885-38048-20

Date Collected: 11/18/25 12:35

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/21/25 12:38	11/22/25 17:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/21/25 12:38	11/22/25 17:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/21/25 12:38	11/22/25 17:22	1
Ethylbenzene	ND		0.047	mg/Kg		11/21/25 12:38	11/22/25 17:22	1
Toluene	ND		0.047	mg/Kg		11/21/25 12:38	11/22/25 17:22	1
Xylenes, Total	ND		0.093	mg/Kg		11/21/25 12:38	11/22/25 17:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			11/21/25 12:38	11/22/25 17:22	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		11/24/25 11:22	11/24/25 22:56	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/24/25 11:22	11/24/25 22:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			11/24/25 11:22	11/24/25 22:56	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/21/25 18:10	11/22/25 12:54	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-17 0'

Lab Sample ID: 885-38048-21

Date Collected: 11/18/25 10:52

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/21/25 12:38	11/22/25 17:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		15 - 150			11/21/25 12:38	11/22/25 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/21/25 12:38	11/22/25 17:46	1
Ethylbenzene	ND		0.047	mg/Kg		11/21/25 12:38	11/22/25 17:46	1
Toluene	ND		0.047	mg/Kg		11/21/25 12:38	11/22/25 17:46	1
Xylenes, Total	ND		0.094	mg/Kg		11/21/25 12:38	11/22/25 17:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/21/25 12:38	11/22/25 17:46	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]	780		9.8	mg/Kg		11/24/25 11:22	11/24/25 23:08	1
Motor Oil Range Organics [C28-C40]	670		49	mg/Kg		11/24/25 11:22	11/24/25 23:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			11/24/25 11:22	11/24/25 23:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		51	mg/Kg		11/21/25 18:10	11/22/25 13:05	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-17 1'

Lab Sample ID: 885-38048-22

Date Collected: 11/18/25 11:15

Matrix: Solid

Date Received: 11/20/25 07:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/21/25 12:38	11/22/25 18:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/21/25 12:38	11/22/25 18:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/21/25 12:38	11/22/25 18:10	1
Ethylbenzene	ND		0.049	mg/Kg		11/21/25 12:38	11/22/25 18:10	1
Toluene	ND		0.049	mg/Kg		11/21/25 12:38	11/22/25 18:10	1
Xylenes, Total	ND		0.097	mg/Kg		11/21/25 12:38	11/22/25 18:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			11/21/25 12:38	11/22/25 18:10	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		11/24/25 11:22	11/24/25 23:54	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/24/25 11:22	11/24/25 23:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			11/24/25 11:22	11/24/25 23:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/21/25 18:10	11/22/25 13:15	10

QC Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

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

Lab Sample ID: MB 885-38824/1-A
Matrix: Solid
Analysis Batch: 38892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38824

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/20/25 16:15	11/21/25 15:58	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		15 - 150			11/20/25 16:15	11/21/25 15:58	1

Lab Sample ID: LCS 885-38824/2-A
Matrix: Solid
Analysis Batch: 38892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38824

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	25.3		mg/Kg		101	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	221		15 - 150				

Lab Sample ID: MB 885-38878/1-A
Matrix: Solid
Analysis Batch: 38921

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38878

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/21/25 12:38	11/22/25 13:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/21/25 12:38	11/22/25 13:49	1

Lab Sample ID: LCS 885-38878/2-A
Matrix: Solid
Analysis Batch: 38921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38878

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	25.4		mg/Kg		102	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	209		15 - 150				

Lab Sample ID: 885-38048-16 MS
Matrix: Solid
Analysis Batch: 38921

Client Sample ID: BH25-14 2'
Prep Type: Total/NA
Prep Batch: 38878

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	ND		23.7	25.0		mg/Kg		106	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	208		15 - 150						

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

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

Lab Sample ID: 885-38048-16 MSD
Matrix: Solid
Analysis Batch: 38921

Client Sample ID: BH25-14 2'
Prep Type: Total/NA
Prep Batch: 38878

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		23.3	25.2		mg/Kg		109	70 - 130	1	20
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	220		15 - 150								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-38824/1-A
Matrix: Solid
Analysis Batch: 38893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38824

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/20/25 16:15	11/21/25 15:58	1
Ethylbenzene	ND		0.050	mg/Kg		11/20/25 16:15	11/21/25 15:58	1
Toluene	ND		0.050	mg/Kg		11/20/25 16:15	11/21/25 15:58	1
Xylenes, Total	ND		0.10	mg/Kg		11/20/25 16:15	11/21/25 15:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			11/20/25 16:15	11/21/25 15:58	1

Lab Sample ID: LCS 885-38824/3-A
Matrix: Solid
Analysis Batch: 38893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38824

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.982		mg/Kg		98	70 - 130
Ethylbenzene	1.00	1.00		mg/Kg		100	70 - 130
m,p-Xylene	2.00	1.98		mg/Kg		99	70 - 130
o-Xylene	1.00	0.997		mg/Kg		100	70 - 130
Toluene	1.00	0.973		mg/Kg		97	70 - 130
Xylenes, Total	3.00	2.98		mg/Kg		99	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	100		15 - 150				

Lab Sample ID: MB 885-38878/1-A
Matrix: Solid
Analysis Batch: 38922

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38878

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/21/25 12:38	11/22/25 13:49	1
Ethylbenzene	ND		0.050	mg/Kg		11/21/25 12:38	11/22/25 13:49	1
Toluene	ND		0.050	mg/Kg		11/21/25 12:38	11/22/25 13:49	1
Xylenes, Total	ND		0.10	mg/Kg		11/21/25 12:38	11/22/25 13:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			11/21/25 12:38	11/22/25 13:49	1

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 885-38878/3-A
Matrix: Solid
Analysis Batch: 38922

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38878

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	1.00	0.912		mg/Kg		91	70 - 130	
Ethylbenzene	1.00	0.924		mg/Kg		92	70 - 130	
m,p-Xylene	2.00	1.86		mg/Kg		93	70 - 130	
o-Xylene	1.00	0.918		mg/Kg		92	70 - 130	
Toluene	1.00	0.932		mg/Kg		93	70 - 130	
Xylenes, Total	3.00	2.78		mg/Kg		93	70 - 130	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		15 - 150

Lab Sample ID: 885-38048-17 MS
Matrix: Solid
Analysis Batch: 38922

Client Sample ID: BH25-15 0'
Prep Type: Total/NA
Prep Batch: 38878

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	ND		0.986	0.967		mg/Kg		98	70 - 130	
Ethylbenzene	ND		0.986	0.976		mg/Kg		97	70 - 130	
m,p-Xylene	ND		1.97	1.91		mg/Kg		96	70 - 130	
o-Xylene	ND		0.986	0.953		mg/Kg		97	70 - 130	
Toluene	ND		0.986	0.980		mg/Kg		99	70 - 130	
Xylenes, Total	ND		2.96	2.86		mg/Kg		95	70 - 130	

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		15 - 150

Lab Sample ID: 885-38048-17 MSD
Matrix: Solid
Analysis Batch: 38922

Client Sample ID: BH25-15 0'
Prep Type: Total/NA
Prep Batch: 38878

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	
											RPD	Limit
Benzene	ND		0.983	0.942		mg/Kg		96	70 - 130	3	20	
Ethylbenzene	ND		0.983	0.953		mg/Kg		95	70 - 130	2	20	
m,p-Xylene	ND		1.97	1.93		mg/Kg		97	70 - 130	1	20	
o-Xylene	ND		0.983	0.947		mg/Kg		96	70 - 130	1	20	
Toluene	ND		0.983	0.948		mg/Kg		96	70 - 130	3	20	
Xylenes, Total	ND		2.95	2.88		mg/Kg		96	70 - 130	1	20	

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		15 - 150

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

Lab Sample ID: MB 885-38873/1-A
Matrix: Solid
Analysis Batch: 38941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38873

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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QC Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

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

Lab Sample ID: MB 885-38873/1-A
Matrix: Solid
Analysis Batch: 38941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38873

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/21/25 11:50	11/24/25 12:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			11/21/25 11:50	11/24/25 12:52	1

Lab Sample ID: LCS 885-38873/2-A
Matrix: Solid
Analysis Batch: 38842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38873

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	45.9		mg/Kg		92	51 - 148
Surrogate	%Recovery	Qualifier	Limits				
Di-n-octyl phthalate (Surr)	75		62 - 134				

Lab Sample ID: 885-38048-15 MS
Matrix: Solid
Analysis Batch: 38842

Client Sample ID: BH25-14 0'
Prep Type: Total/NA
Prep Batch: 38873

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	230		48.3	303	4	mg/Kg		154	44 - 136
Surrogate	%Recovery	Qualifier	Limits						
Di-n-octyl phthalate (Surr)	47	S1-	62 - 134						

Lab Sample ID: 885-38048-15 MSD
Matrix: Solid
Analysis Batch: 38842

Client Sample ID: BH25-14 0'
Prep Type: Total/NA
Prep Batch: 38873

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	230		49.0	317	4	mg/Kg		180	44 - 136	4	32
Surrogate	%Recovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	52	S1-	62 - 134								

Lab Sample ID: MB 885-38960/1-A
Matrix: Solid
Analysis Batch: 38938

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38960

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		11/24/25 11:22	11/24/25 21:01	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/24/25 11:22	11/24/25 21:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			11/24/25 11:22	11/24/25 21:01	1

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

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

Lab Sample ID: LCS 885-38960/2-A
Matrix: Solid
Analysis Batch: 38938

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38960

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	45.6		mg/Kg		91	51 - 148
Surrogate		LCS %Recovery	LCS Qualifier				Limits
Di-n-octyl phthalate (Surr)		97					62 - 134

Lab Sample ID: 885-38048-16 MS
Matrix: Solid
Analysis Batch: 38938

Client Sample ID: BH25-14 2'
Prep Type: Total/NA
Prep Batch: 38960

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		45.6	40.6		mg/Kg		89	44 - 136
Surrogate		MS %Recovery		MS Qualifier					Limits
Di-n-octyl phthalate (Surr)		103							62 - 134

Lab Sample ID: 885-38048-16 MSD
Matrix: Solid
Analysis Batch: 38938

Client Sample ID: BH25-14 2'
Prep Type: Total/NA
Prep Batch: 38960

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		47.7	42.0		mg/Kg		88	44 - 136	3	32
Surrogate		MSD %Recovery		MSD Qualifier					Limits		
Di-n-octyl phthalate (Surr)		93							62 - 134		

Lab Sample ID: MB 885-39050/1-A
Matrix: Solid
Analysis Batch: 39012

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39050

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		11/25/25 15:27	11/25/25 17:24	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/25/25 15:27	11/25/25 17:24	1
Surrogate		MB %Recovery				Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)		86				11/25/25 15:27	11/25/25 17:24	1

Lab Sample ID: LCS 885-39050/2-A
Matrix: Solid
Analysis Batch: 39012

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39050

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	44.1		mg/Kg		88	51 - 148

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QC Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

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

Lab Sample ID: LCS 885-39050/2-A
 Matrix: Solid
 Analysis Batch: 39012

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 39050

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-38869/1-A
 Matrix: Solid
 Analysis Batch: 38861

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 38869

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.1	mg/Kg		11/21/25 11:06	11/21/25 18:55	1

Lab Sample ID: LCS 885-38869/2-A
 Matrix: Solid
 Analysis Batch: 38861

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 38869

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.8	48.0		mg/Kg		96	90 - 110

Lab Sample ID: MB 885-38918/1-A
 Matrix: Solid
 Analysis Batch: 38920

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 38918

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		11/21/25 18:10	11/22/25 10:26	1

Lab Sample ID: LCS 885-38918/2-A
 Matrix: Solid
 Analysis Batch: 38920

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 38918

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.8	48.9		mg/Kg		98	90 - 110

Lab Sample ID: 885-38048-15 MS
 Matrix: Solid
 Analysis Batch: 38920

Client Sample ID: BH25-14 0'
 Prep Type: Total/NA
 Prep Batch: 38918

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	240		49.7	271	4	mg/Kg		65	50 - 150

Lab Sample ID: 885-38048-15 MSD
 Matrix: Solid
 Analysis Batch: 38920

Client Sample ID: BH25-14 0'
 Prep Type: Total/NA
 Prep Batch: 38918

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	240		49.3	267	4	mg/Kg		58	50 - 150	1	20

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QC Association Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

GC VOA

Prep Batch: 38824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-1	BH25-02 0'	Total/NA	Solid	5030C	
885-38048-2	BH25-02 1.5'	Total/NA	Solid	5030C	
885-38048-3	BH25-08 0'	Total/NA	Solid	5030C	
885-38048-4	BH25-08 1'	Total/NA	Solid	5030C	
885-38048-5	BH25-09 0'	Total/NA	Solid	5030C	
885-38048-6	BH25-09 1.5'	Total/NA	Solid	5030C	
885-38048-7	BH25-10 0'	Total/NA	Solid	5030C	
885-38048-8	BH25-10 1'	Total/NA	Solid	5030C	
885-38048-9	BH25-11 0'	Total/NA	Solid	5030C	
885-38048-10	BH25-11 1.5'	Total/NA	Solid	5030C	
885-38048-11	BH25-12 0'	Total/NA	Solid	5030C	
885-38048-12	BH25-12 1.5'	Total/NA	Solid	5030C	
885-38048-13	BH25-13 0'	Total/NA	Solid	5030C	
885-38048-14	BH25-13 1'	Total/NA	Solid	5030C	
885-38048-15	BH25-14 0'	Total/NA	Solid	5030C	
MB 885-38824/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-38824/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-38824/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 38878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-16	BH25-14 2'	Total/NA	Solid	5030C	
885-38048-17	BH25-15 0'	Total/NA	Solid	5030C	
885-38048-18	BH25-15 1'	Total/NA	Solid	5030C	
885-38048-19	BH25-16 0'	Total/NA	Solid	5030C	
885-38048-20	BH25-16 2'	Total/NA	Solid	5030C	
885-38048-21	BH25-17 0'	Total/NA	Solid	5030C	
885-38048-22	BH25-17 1'	Total/NA	Solid	5030C	
MB 885-38878/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-38878/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-38878/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-38048-16 MS	BH25-14 2'	Total/NA	Solid	5030C	
885-38048-16 MSD	BH25-14 2'	Total/NA	Solid	5030C	
885-38048-17 MS	BH25-15 0'	Total/NA	Solid	5030C	
885-38048-17 MSD	BH25-15 0'	Total/NA	Solid	5030C	

Analysis Batch: 38892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-1	BH25-02 0'	Total/NA	Solid	8015M/D	38824
885-38048-2	BH25-02 1.5'	Total/NA	Solid	8015M/D	38824
885-38048-3	BH25-08 0'	Total/NA	Solid	8015M/D	38824
885-38048-4	BH25-08 1'	Total/NA	Solid	8015M/D	38824
885-38048-5	BH25-09 0'	Total/NA	Solid	8015M/D	38824
885-38048-6	BH25-09 1.5'	Total/NA	Solid	8015M/D	38824
885-38048-7	BH25-10 0'	Total/NA	Solid	8015M/D	38824
885-38048-8	BH25-10 1'	Total/NA	Solid	8015M/D	38824
885-38048-9	BH25-11 0'	Total/NA	Solid	8015M/D	38824
885-38048-10	BH25-11 1.5'	Total/NA	Solid	8015M/D	38824
885-38048-11	BH25-12 0'	Total/NA	Solid	8015M/D	38824
885-38048-12	BH25-12 1.5'	Total/NA	Solid	8015M/D	38824
885-38048-13	BH25-13 0'	Total/NA	Solid	8015M/D	38824

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

GC VOA (Continued)

Analysis Batch: 38892 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-14	BH25-13 1'	Total/NA	Solid	8015M/D	38824
885-38048-15	BH25-14 0'	Total/NA	Solid	8015M/D	38824
MB 885-38824/1-A	Method Blank	Total/NA	Solid	8015M/D	38824
LCS 885-38824/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	38824

Analysis Batch: 38893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-1	BH25-02 0'	Total/NA	Solid	8021B	38824
885-38048-2	BH25-02 1.5'	Total/NA	Solid	8021B	38824
885-38048-3	BH25-08 0'	Total/NA	Solid	8021B	38824
885-38048-4	BH25-08 1'	Total/NA	Solid	8021B	38824
885-38048-5	BH25-09 0'	Total/NA	Solid	8021B	38824
885-38048-6	BH25-09 1.5'	Total/NA	Solid	8021B	38824
885-38048-7	BH25-10 0'	Total/NA	Solid	8021B	38824
885-38048-8	BH25-10 1'	Total/NA	Solid	8021B	38824
885-38048-9	BH25-11 0'	Total/NA	Solid	8021B	38824
885-38048-10	BH25-11 1.5'	Total/NA	Solid	8021B	38824
885-38048-11	BH25-12 0'	Total/NA	Solid	8021B	38824
885-38048-12	BH25-12 1.5'	Total/NA	Solid	8021B	38824
885-38048-13	BH25-13 0'	Total/NA	Solid	8021B	38824
885-38048-14	BH25-13 1'	Total/NA	Solid	8021B	38824
885-38048-15	BH25-14 0'	Total/NA	Solid	8021B	38824
MB 885-38824/1-A	Method Blank	Total/NA	Solid	8021B	38824
LCS 885-38824/3-A	Lab Control Sample	Total/NA	Solid	8021B	38824

Analysis Batch: 38921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-16	BH25-14 2'	Total/NA	Solid	8015M/D	38878
885-38048-17	BH25-15 0'	Total/NA	Solid	8015M/D	38878
885-38048-18	BH25-15 1'	Total/NA	Solid	8015M/D	38878
885-38048-19	BH25-16 0'	Total/NA	Solid	8015M/D	38878
885-38048-20	BH25-16 2'	Total/NA	Solid	8015M/D	38878
885-38048-21	BH25-17 0'	Total/NA	Solid	8015M/D	38878
885-38048-22	BH25-17 1'	Total/NA	Solid	8015M/D	38878
MB 885-38878/1-A	Method Blank	Total/NA	Solid	8015M/D	38878
LCS 885-38878/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	38878
885-38048-16 MS	BH25-14 2'	Total/NA	Solid	8015M/D	38878
885-38048-16 MSD	BH25-14 2'	Total/NA	Solid	8015M/D	38878

Analysis Batch: 38922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-16	BH25-14 2'	Total/NA	Solid	8021B	38878
885-38048-17	BH25-15 0'	Total/NA	Solid	8021B	38878
885-38048-18	BH25-15 1'	Total/NA	Solid	8021B	38878
885-38048-19	BH25-16 0'	Total/NA	Solid	8021B	38878
885-38048-20	BH25-16 2'	Total/NA	Solid	8021B	38878
885-38048-21	BH25-17 0'	Total/NA	Solid	8021B	38878
885-38048-22	BH25-17 1'	Total/NA	Solid	8021B	38878
MB 885-38878/1-A	Method Blank	Total/NA	Solid	8021B	38878
LCS 885-38878/3-A	Lab Control Sample	Total/NA	Solid	8021B	38878
885-38048-17 MS	BH25-15 0'	Total/NA	Solid	8021B	38878

Eurofins Albuquerque

QC Association Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

GC VOA (Continued)

Analysis Batch: 38922 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-17 MSD	BH25-15 0'	Total/NA	Solid	8021B	38878

GC Semi VOA

Analysis Batch: 38842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-1	BH25-02 0'	Total/NA	Solid	8015M/D	38873
885-38048-2	BH25-02 1.5'	Total/NA	Solid	8015M/D	38873
885-38048-3	BH25-08 0'	Total/NA	Solid	8015M/D	38873
885-38048-4	BH25-08 1'	Total/NA	Solid	8015M/D	38873
885-38048-6	BH25-09 1.5'	Total/NA	Solid	8015M/D	38873
885-38048-7	BH25-10 0'	Total/NA	Solid	8015M/D	38873
885-38048-8	BH25-10 1'	Total/NA	Solid	8015M/D	38873
885-38048-10	BH25-11 1.5'	Total/NA	Solid	8015M/D	38873
885-38048-11	BH25-12 0'	Total/NA	Solid	8015M/D	38873
885-38048-12	BH25-12 1.5'	Total/NA	Solid	8015M/D	38873
885-38048-13	BH25-13 0'	Total/NA	Solid	8015M/D	38873
885-38048-14	BH25-13 1'	Total/NA	Solid	8015M/D	38873
885-38048-15	BH25-14 0'	Total/NA	Solid	8015M/D	38873
LCS 885-38873/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	38873
885-38048-15 MS	BH25-14 0'	Total/NA	Solid	8015M/D	38873
885-38048-15 MSD	BH25-14 0'	Total/NA	Solid	8015M/D	38873

Prep Batch: 38873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-1	BH25-02 0'	Total/NA	Solid	SHAKE	
885-38048-2	BH25-02 1.5'	Total/NA	Solid	SHAKE	
885-38048-3	BH25-08 0'	Total/NA	Solid	SHAKE	
885-38048-4	BH25-08 1'	Total/NA	Solid	SHAKE	
885-38048-5	BH25-09 0'	Total/NA	Solid	SHAKE	
885-38048-6	BH25-09 1.5'	Total/NA	Solid	SHAKE	
885-38048-7	BH25-10 0'	Total/NA	Solid	SHAKE	
885-38048-8	BH25-10 1'	Total/NA	Solid	SHAKE	
885-38048-10	BH25-11 1.5'	Total/NA	Solid	SHAKE	
885-38048-11	BH25-12 0'	Total/NA	Solid	SHAKE	
885-38048-12	BH25-12 1.5'	Total/NA	Solid	SHAKE	
885-38048-13	BH25-13 0'	Total/NA	Solid	SHAKE	
885-38048-14	BH25-13 1'	Total/NA	Solid	SHAKE	
885-38048-15	BH25-14 0'	Total/NA	Solid	SHAKE	
MB 885-38873/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-38873/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-38048-15 MS	BH25-14 0'	Total/NA	Solid	SHAKE	
885-38048-15 MSD	BH25-14 0'	Total/NA	Solid	SHAKE	

Analysis Batch: 38938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-16	BH25-14 2'	Total/NA	Solid	8015M/D	38960
885-38048-20	BH25-16 2'	Total/NA	Solid	8015M/D	38960
885-38048-21	BH25-17 0'	Total/NA	Solid	8015M/D	38960
885-38048-22	BH25-17 1'	Total/NA	Solid	8015M/D	38960
MB 885-38960/1-A	Method Blank	Total/NA	Solid	8015M/D	38960

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

GC Semi VOA (Continued)

Analysis Batch: 38938 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-38960/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	38960
885-38048-16 MS	BH25-14 2'	Total/NA	Solid	8015M/D	38960
885-38048-16 MSD	BH25-14 2'	Total/NA	Solid	8015M/D	38960

Analysis Batch: 38941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-38873/1-A	Method Blank	Total/NA	Solid	8015M/D	38873

Prep Batch: 38960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-16	BH25-14 2'	Total/NA	Solid	SHAKE	
885-38048-17	BH25-15 0'	Total/NA	Solid	SHAKE	
885-38048-18	BH25-15 1'	Total/NA	Solid	SHAKE	
885-38048-19	BH25-16 0'	Total/NA	Solid	SHAKE	
885-38048-20	BH25-16 2'	Total/NA	Solid	SHAKE	
885-38048-21	BH25-17 0'	Total/NA	Solid	SHAKE	
885-38048-22	BH25-17 1'	Total/NA	Solid	SHAKE	
MB 885-38960/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-38960/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-38048-16 MS	BH25-14 2'	Total/NA	Solid	SHAKE	
885-38048-16 MSD	BH25-14 2'	Total/NA	Solid	SHAKE	

Analysis Batch: 39012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-9	BH25-11 0'	Total/NA	Solid	8015M/D	39050
MB 885-39050/1-A	Method Blank	Total/NA	Solid	8015M/D	39050
LCS 885-39050/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	39050

Prep Batch: 39050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-9	BH25-11 0'	Total/NA	Solid	SHAKE	
MB 885-39050/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-39050/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 39074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-5	BH25-09 0'	Total/NA	Solid	8015M/D	38873

Analysis Batch: 39076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-18	BH25-15 1'	Total/NA	Solid	8015M/D	38960
885-38048-19	BH25-16 0'	Total/NA	Solid	8015M/D	38960

Analysis Batch: 39240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-17	BH25-15 0'	Total/NA	Solid	8015M/D	38960

Eurofins Albuquerque

QC Association Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

HPLC/IC

Analysis Batch: 38861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-1	BH25-02 0'	Total/NA	Solid	300.0	38869
885-38048-2	BH25-02 1.5'	Total/NA	Solid	300.0	38869
885-38048-3	BH25-08 0'	Total/NA	Solid	300.0	38869
885-38048-4	BH25-08 1'	Total/NA	Solid	300.0	38869
885-38048-5	BH25-09 0'	Total/NA	Solid	300.0	38869
885-38048-6	BH25-09 1.5'	Total/NA	Solid	300.0	38869
885-38048-7	BH25-10 0'	Total/NA	Solid	300.0	38869
885-38048-8	BH25-10 1'	Total/NA	Solid	300.0	38869
885-38048-9	BH25-11 0'	Total/NA	Solid	300.0	38869
885-38048-10	BH25-11 1.5'	Total/NA	Solid	300.0	38869
885-38048-11	BH25-12 0'	Total/NA	Solid	300.0	38869
885-38048-12	BH25-12 1.5'	Total/NA	Solid	300.0	38869
885-38048-13	BH25-13 0'	Total/NA	Solid	300.0	38869
885-38048-14	BH25-13 1'	Total/NA	Solid	300.0	38869
MB 885-38869/1-A	Method Blank	Total/NA	Solid	300.0	38869
LCS 885-38869/2-A	Lab Control Sample	Total/NA	Solid	300.0	38869

Prep Batch: 38869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-1	BH25-02 0'	Total/NA	Solid	300_Prep	
885-38048-2	BH25-02 1.5'	Total/NA	Solid	300_Prep	
885-38048-3	BH25-08 0'	Total/NA	Solid	300_Prep	
885-38048-4	BH25-08 1'	Total/NA	Solid	300_Prep	
885-38048-5	BH25-09 0'	Total/NA	Solid	300_Prep	
885-38048-6	BH25-09 1.5'	Total/NA	Solid	300_Prep	
885-38048-7	BH25-10 0'	Total/NA	Solid	300_Prep	
885-38048-8	BH25-10 1'	Total/NA	Solid	300_Prep	
885-38048-9	BH25-11 0'	Total/NA	Solid	300_Prep	
885-38048-10	BH25-11 1.5'	Total/NA	Solid	300_Prep	
885-38048-11	BH25-12 0'	Total/NA	Solid	300_Prep	
885-38048-12	BH25-12 1.5'	Total/NA	Solid	300_Prep	
885-38048-13	BH25-13 0'	Total/NA	Solid	300_Prep	
885-38048-14	BH25-13 1'	Total/NA	Solid	300_Prep	
MB 885-38869/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-38869/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Prep Batch: 38918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-15	BH25-14 0'	Total/NA	Solid	300_Prep	
885-38048-16	BH25-14 2'	Total/NA	Solid	300_Prep	
885-38048-17	BH25-15 0'	Total/NA	Solid	300_Prep	
885-38048-18	BH25-15 1'	Total/NA	Solid	300_Prep	
885-38048-19	BH25-16 0'	Total/NA	Solid	300_Prep	
885-38048-20	BH25-16 2'	Total/NA	Solid	300_Prep	
885-38048-21	BH25-17 0'	Total/NA	Solid	300_Prep	
885-38048-22	BH25-17 1'	Total/NA	Solid	300_Prep	
MB 885-38918/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-38918/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-38048-15 MS	BH25-14 0'	Total/NA	Solid	300_Prep	
885-38048-15 MSD	BH25-14 0'	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

HPLC/IC

Analysis Batch: 38920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38048-15	BH25-14 0'	Total/NA	Solid	300.0	38918
885-38048-16	BH25-14 2'	Total/NA	Solid	300.0	38918
885-38048-17	BH25-15 0'	Total/NA	Solid	300.0	38918
885-38048-18	BH25-15 1'	Total/NA	Solid	300.0	38918
885-38048-19	BH25-16 0'	Total/NA	Solid	300.0	38918
885-38048-20	BH25-16 2'	Total/NA	Solid	300.0	38918
885-38048-21	BH25-17 0'	Total/NA	Solid	300.0	38918
885-38048-22	BH25-17 1'	Total/NA	Solid	300.0	38918
MB 885-38918/1-A	Method Blank	Total/NA	Solid	300.0	38918
LCS 885-38918/2-A	Lab Control Sample	Total/NA	Solid	300.0	38918
885-38048-15 MS	BH25-14 0'	Total/NA	Solid	300.0	38918
885-38048-15 MSD	BH25-14 0'	Total/NA	Solid	300.0	38918



Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-02 0'

Lab Sample ID: 885-38048-1

Date Collected: 11/17/25 14:52

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8015M/D		1	38892	AT	EET ALB	11/21/25 19:36
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8021B		1	38893	AT	EET ALB	11/21/25 19:36
Total/NA	Prep	SHAKE			38873	JE	EET ALB	11/21/25 11:51
Total/NA	Analysis	8015M/D		1	38842	EM	EET ALB	11/21/25 19:54
Total/NA	Prep	300_Prep			38869	JR	EET ALB	11/21/25 11:07
Total/NA	Analysis	300.0		10	38861	EH	EET ALB	11/21/25 21:53

Client Sample ID: BH25-02 1.5'

Lab Sample ID: 885-38048-2

Date Collected: 11/17/25 15:22

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8015M/D		1	38892	AT	EET ALB	11/21/25 19:57
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8021B		1	38893	AT	EET ALB	11/21/25 19:57
Total/NA	Prep	SHAKE			38873	JE	EET ALB	11/21/25 11:51
Total/NA	Analysis	8015M/D		1	38842	EM	EET ALB	11/21/25 20:05
Total/NA	Prep	300_Prep			38869	JR	EET ALB	11/21/25 11:07
Total/NA	Analysis	300.0		10	38861	EH	EET ALB	11/21/25 22:06

Client Sample ID: BH25-08 0'

Lab Sample ID: 885-38048-3

Date Collected: 11/17/25 15:30

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8015M/D		1	38892	AT	EET ALB	11/21/25 20:19
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8021B		1	38893	AT	EET ALB	11/21/25 20:19
Total/NA	Prep	SHAKE			38873	JE	EET ALB	11/21/25 11:51
Total/NA	Analysis	8015M/D		10	38842	EM	EET ALB	11/21/25 20:16
Total/NA	Prep	300_Prep			38869	JR	EET ALB	11/21/25 11:07
Total/NA	Analysis	300.0		10	38861	EH	EET ALB	11/21/25 22:20

Client Sample ID: BH25-08 1'

Lab Sample ID: 885-38048-4

Date Collected: 11/17/25 15:36

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8015M/D		1	38892	AT	EET ALB	11/21/25 20:41

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-08 1'

Lab Sample ID: 885-38048-4

Date Collected: 11/17/25 15:36

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8021B		1	38893	AT	EET ALB	11/21/25 20:41
Total/NA	Prep	SHAKE			38873	JE	EET ALB	11/21/25 11:51
Total/NA	Analysis	8015M/D		1	38842	EM	EET ALB	11/21/25 20:39
Total/NA	Prep	300_Prep			38869	JR	EET ALB	11/21/25 11:07
Total/NA	Analysis	300.0		10	38861	EH	EET ALB	11/21/25 22:33

Client Sample ID: BH25-09 0'

Lab Sample ID: 885-38048-5

Date Collected: 11/17/25 15:44

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8015M/D		1	38892	AT	EET ALB	11/21/25 21:03
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8021B		1	38893	AT	EET ALB	11/21/25 21:03
Total/NA	Prep	SHAKE			38873	JE	EET ALB	11/21/25 11:51
Total/NA	Analysis	8015M/D		2	39074	BV	EET ALB	11/26/25 11:10
Total/NA	Prep	300_Prep			38869	JR	EET ALB	11/21/25 11:07
Total/NA	Analysis	300.0		10	38861	EH	EET ALB	11/21/25 22:47

Client Sample ID: BH25-09 1.5'

Lab Sample ID: 885-38048-6

Date Collected: 11/17/25 15:57

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8015M/D		1	38892	AT	EET ALB	11/21/25 21:46
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8021B		1	38893	AT	EET ALB	11/21/25 21:46
Total/NA	Prep	SHAKE			38873	JE	EET ALB	11/21/25 11:51
Total/NA	Analysis	8015M/D		1	38842	EM	EET ALB	11/21/25 21:01
Total/NA	Prep	300_Prep			38869	JR	EET ALB	11/21/25 11:07
Total/NA	Analysis	300.0		10	38861	EH	EET ALB	11/21/25 23:01

Client Sample ID: BH25-10 0'

Lab Sample ID: 885-38048-7

Date Collected: 11/18/25 11:43

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8015M/D		1	38892	AT	EET ALB	11/21/25 22:08
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8021B		1	38893	AT	EET ALB	11/21/25 22:08

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-10 0'

Lab Sample ID: 885-38048-7

Date Collected: 11/18/25 11:43

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			38873	JE	EET ALB	11/21/25 11:51
Total/NA	Analysis	8015M/D		1	38842	EM	EET ALB	11/21/25 21:12
Total/NA	Prep	300_Prep			38869	JR	EET ALB	11/21/25 11:07
Total/NA	Analysis	300.0		10	38861	EH	EET ALB	11/21/25 23:14

Client Sample ID: BH25-10 1'

Lab Sample ID: 885-38048-8

Date Collected: 11/18/25 12:15

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8015M/D		1	38892	AT	EET ALB	11/21/25 22:29
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8021B		1	38893	AT	EET ALB	11/21/25 22:29
Total/NA	Prep	SHAKE			38873	JE	EET ALB	11/21/25 11:51
Total/NA	Analysis	8015M/D		1	38842	EM	EET ALB	11/21/25 21:24
Total/NA	Prep	300_Prep			38869	JR	EET ALB	11/21/25 11:07
Total/NA	Analysis	300.0		10	38861	EH	EET ALB	11/21/25 23:28

Client Sample ID: BH25-11 0'

Lab Sample ID: 885-38048-9

Date Collected: 11/18/25 11:20

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8015M/D		1	38892	AT	EET ALB	11/21/25 22:51
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8021B		1	38893	AT	EET ALB	11/21/25 22:51
Total/NA	Prep	SHAKE			39050	BV	EET ALB	11/25/25 15:27
Total/NA	Analysis	8015M/D		1	39012	BV	EET ALB	11/25/25 17:47
Total/NA	Prep	300_Prep			38869	JR	EET ALB	11/21/25 11:07
Total/NA	Analysis	300.0		10	38861	EH	EET ALB	11/21/25 23:42

Client Sample ID: BH25-11 1.5'

Lab Sample ID: 885-38048-10

Date Collected: 11/18/25 11:33

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8015M/D		1	38892	AT	EET ALB	11/21/25 23:13
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8021B		1	38893	AT	EET ALB	11/21/25 23:13
Total/NA	Prep	SHAKE			38873	JE	EET ALB	11/21/25 11:51
Total/NA	Analysis	8015M/D		1	38842	EM	EET ALB	11/21/25 21:46

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-11 1.5'

Lab Sample ID: 885-38048-10

Date Collected: 11/18/25 11:33

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			38869	JR	EET ALB	11/21/25 11:07
Total/NA	Analysis	300.0		10	38861	EH	EET ALB	11/22/25 00:23

Client Sample ID: BH25-12 0'

Lab Sample ID: 885-38048-11

Date Collected: 11/18/25 09:00

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8015M/D		1	38892	AT	EET ALB	11/21/25 23:35
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8021B		1	38893	AT	EET ALB	11/21/25 23:35
Total/NA	Prep	SHAKE			38873	JE	EET ALB	11/21/25 11:51
Total/NA	Analysis	8015M/D		1	38842	EM	EET ALB	11/21/25 21:57
Total/NA	Prep	300_Prep			38869	JR	EET ALB	11/21/25 11:07
Total/NA	Analysis	300.0		10	38861	EH	EET ALB	11/22/25 00:36

Client Sample ID: BH25-12 1.5'

Lab Sample ID: 885-38048-12

Date Collected: 11/18/25 09:17

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8015M/D		1	38892	AT	EET ALB	11/21/25 23:56
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8021B		1	38893	AT	EET ALB	11/21/25 23:56
Total/NA	Prep	SHAKE			38873	JE	EET ALB	11/21/25 11:51
Total/NA	Analysis	8015M/D		1	38842	EM	EET ALB	11/21/25 22:09
Total/NA	Prep	300_Prep			38869	JR	EET ALB	11/21/25 11:07
Total/NA	Analysis	300.0		10	38861	EH	EET ALB	11/22/25 00:50

Client Sample ID: BH25-13 0'

Lab Sample ID: 885-38048-13

Date Collected: 11/18/25 09:32

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8015M/D		1	38892	AT	EET ALB	11/22/25 00:18
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8021B		1	38893	AT	EET ALB	11/22/25 00:18
Total/NA	Prep	SHAKE			38873	JE	EET ALB	11/21/25 11:51
Total/NA	Analysis	8015M/D		1	38842	EM	EET ALB	11/21/25 22:20
Total/NA	Prep	300_Prep			38869	JR	EET ALB	11/21/25 11:07
Total/NA	Analysis	300.0		10	38861	EH	EET ALB	11/22/25 01:04

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-13 1'

Lab Sample ID: 885-38048-14

Date Collected: 11/18/25 09:45

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8015M/D		1	38892	AT	EET ALB	11/22/25 00:40
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8021B		1	38893	AT	EET ALB	11/22/25 00:40
Total/NA	Prep	SHAKE			38873	JE	EET ALB	11/21/25 11:51
Total/NA	Analysis	8015M/D		1	38842	EM	EET ALB	11/21/25 22:42
Total/NA	Prep	300_Prep			38869	JR	EET ALB	11/21/25 11:07
Total/NA	Analysis	300.0		10	38861	EH	EET ALB	11/22/25 01:17

Client Sample ID: BH25-14 0'

Lab Sample ID: 885-38048-15

Date Collected: 11/18/25 10:04

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8015M/D		1	38892	AT	EET ALB	11/22/25 01:01
Total/NA	Prep	5030C			38824	JP	EET ALB	11/20/25 16:15
Total/NA	Analysis	8021B		1	38893	AT	EET ALB	11/22/25 01:01
Total/NA	Prep	SHAKE			38873	JE	EET ALB	11/21/25 11:51
Total/NA	Analysis	8015M/D		1	38842	EM	EET ALB	11/21/25 22:53
Total/NA	Prep	300_Prep			38918	JT	EET ALB	11/21/25 18:10
Total/NA	Analysis	300.0		10	38920	JT	EET ALB	11/22/25 11:21

Client Sample ID: BH25-14 2'

Lab Sample ID: 885-38048-16

Date Collected: 11/18/25 10:25

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/22/25 14:13
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/22/25 14:13
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		1	38938	EM	EET ALB	11/24/25 21:24
Total/NA	Prep	300_Prep			38918	JT	EET ALB	11/21/25 18:10
Total/NA	Analysis	300.0		10	38920	JT	EET ALB	11/22/25 11:52

Client Sample ID: BH25-15 0'

Lab Sample ID: 885-38048-17

Date Collected: 11/18/25 10:35

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/22/25 15:24

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-15 0'

Lab Sample ID: 885-38048-17

Date Collected: 11/18/25 10:35

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/22/25 15:24
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		2	39240	EM	EET ALB	12/02/25 13:06
Total/NA	Prep	300_Prep			38918	JT	EET ALB	11/21/25 18:10
Total/NA	Analysis	300.0		10	38920	JT	EET ALB	11/22/25 12:03

Client Sample ID: BH25-15 1'

Lab Sample ID: 885-38048-18

Date Collected: 11/18/25 10:50

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/22/25 16:35
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/22/25 16:35
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		1	39076	BV	EET ALB	11/26/25 11:26
Total/NA	Prep	300_Prep			38918	JT	EET ALB	11/21/25 18:10
Total/NA	Analysis	300.0		10	38920	JT	EET ALB	11/22/25 12:34

Client Sample ID: BH25-16 0'

Lab Sample ID: 885-38048-19

Date Collected: 11/18/25 12:20

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/22/25 16:58
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/22/25 16:58
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		10	39076	BV	EET ALB	11/26/25 11:49
Total/NA	Prep	300_Prep			38918	JT	EET ALB	11/21/25 18:10
Total/NA	Analysis	300.0		10	38920	JT	EET ALB	11/22/25 12:44

Client Sample ID: BH25-16 2'

Lab Sample ID: 885-38048-20

Date Collected: 11/18/25 12:35

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/22/25 17:22
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/22/25 17:22

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

Client Sample ID: BH25-16 2'

Lab Sample ID: 885-38048-20

Date Collected: 11/18/25 12:35

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		1	38938	EM	EET ALB	11/24/25 22:56
Total/NA	Prep	300_Prep			38918	JT	EET ALB	11/21/25 18:10
Total/NA	Analysis	300.0		10	38920	JT	EET ALB	11/22/25 12:54

Client Sample ID: BH25-17 0'

Lab Sample ID: 885-38048-21

Date Collected: 11/18/25 10:52

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/22/25 17:46
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/22/25 17:46
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		1	38938	EM	EET ALB	11/24/25 23:08
Total/NA	Prep	300_Prep			38918	JT	EET ALB	11/21/25 18:10
Total/NA	Analysis	300.0		10	38920	JT	EET ALB	11/22/25 13:05

Client Sample ID: BH25-17 1'

Lab Sample ID: 885-38048-22

Date Collected: 11/18/25 11:15

Matrix: Solid

Date Received: 11/20/25 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/22/25 18:10
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/22/25 18:10
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		1	38938	EM	EET ALB	11/24/25 23:54
Total/NA	Prep	300_Prep			38918	JT	EET ALB	11/21/25 18:10
Total/NA	Analysis	300.0		10	38920	JT	EET ALB	11/22/25 13:15

Laboratory References:

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

Accreditation/Certification Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38048-1

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	02-27-26																																				
<p>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.</p> <table border="1"> <thead> <tr> <th>Analysis Method</th> <th>Prep Method</th> <th>Matrix</th> <th>Analyte</th> </tr> </thead> <tbody> <tr> <td>300.0</td> <td>300_Prep</td> <td>Solid</td> <td>Chloride</td> </tr> <tr> <td>8015M/D</td> <td>5030C</td> <td>Solid</td> <td>Gasoline Range Organics [C6 - C10]</td> </tr> <tr> <td>8015M/D</td> <td>SHAKE</td> <td>Solid</td> <td>Diesel Range Organics [C10-C28]</td> </tr> <tr> <td>8015M/D</td> <td>SHAKE</td> <td>Solid</td> <td>Motor Oil Range Organics [C28-C40]</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Benzene</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Ethylbenzene</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Toluene</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Xylenes, Total</td> </tr> </tbody> </table>				Analysis Method	Prep Method	Matrix	Analyte	300.0	300_Prep	Solid	Chloride	8015M/D	5030C	Solid	Gasoline Range Organics [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
Analysis Method	Prep Method	Matrix	Analyte																																				
300.0	300_Prep	Solid	Chloride																																				
8015M/D	5030C	Solid	Gasoline Range Organics [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	02-26-26																																				

- 1
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- 4
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- 9
- 10
- 11

Chain-of-Custody Record

Client: **Vertex (bill to Mack Energy, Matt Buckles)**

Mailing Address: 3101 Boyd Drive
Carlsbad, New Mexico 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 5-day rush

Project Name: **Cornwall Federal #001H**
Project #:

25A-05756

Project Manager: **Sally Carttar**
SCarttar@vertexresource.com

Sampler: L. Pullman
On Ice: Yes No
of Coolers: 1 Joe

Cooler Temp (including CF): **4.8 +0.2 ~ 5.0 °C**

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)				
11.17.25	14:52	Soil	BH25-02 0'	1-4oz jar			X	X					X							
11.17.25	15:22	Soil	BH25-02 1.5'	1-4oz jar			X	X					X							
11.17.25	15:30	Soil	BH25-08 0'	1-4oz jar			X	X					X							
11.17.25	15:36	Soil	BH25-08 1'	1-4oz jar			X	X					X							
11.17.25	15:44	Soil	BH25-09 0'	1-4oz jar			X	X					X							
11.17.25	15:57	Soil	BH25-09 1.5'	1-4oz jar			X	X					X							
11.18.25	11:43	Soil	BH25-10 0'	1-4oz jar			X	X					X							
11.18.25	12:15	Soil	BH25-10 1'	1-4oz jar			X	X					X							
11.18.25	11:20	Soil	BH25-11 0'	1-4oz jar			X	X					X							
11.18.25	11:33	Soil	BH25-11 1.5'	1-4oz jar			X	X					X							
11.18.25	9:00	Soil	BH25-12 0'	1-4oz jar			X	X					X							
11.18.25	9:17	Soil	BH25-12 1.5'	1-4oz jar			X	X					X							

Date: 1-19-25 Time: 07:00 Relinquished by: Lakin Pullman

Received by: [Signature] Via: Courier Date: 11/20/25 Time: 2:50

Direct Bill to Mack Energy: ATTN: Matt Buckles
CC: Sally Carttar (SCarttar@vertexresource.com), permian@vertexresource.com, Sharon Minnix (SMinnix@vertexresource.com), Katrina Taylor (Katrina.Taylor@vertexresource.com), and Lakin Pullman (LPullman@vertexresource.com) for Final Report.



HALL ENVIRONMENTAL ANALYSIS LABORATORY

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



885-38048 COC

Received by: OCD: 3/17/2026 12:00:22 AM

Page 123 of 477

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 noted on the analytical report.



Released to Imaging: 3/16/2026 2:00:42 PM

Chain-of-Custody Record

Client: **Vertex (bill to Mack Energy, Matt Buckles)**

Mailing Address: 3101 Boyd Drive
Carlsbad, New Mexico 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 5-day rush

Project Name:

Cornwall Federal #001H

Project #:

25A-05756

Project Manager:

Sally Carttar

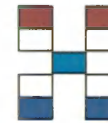
SCarttar@vertexresource.com

Sampler: L. Pullman

On Ice: Yes No *Yes*

of Coolers: 1

Cooler Temp (including CF): $4.8 + 0.2 = 5.0$



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)																						
11.18.25	9:32	Soil	BH25-13 0'	1-4oz jar			X	X						X																								
11.18.25	9:45	Soil	BH25-13 1'	1-4oz jar			X	X						X																								
11.18.25	10:04	Soil	BH25-14 0'	1-4oz jar			X	X						X																								
11.18.25	10:25	Soil	BH25-14 2'	1-4oz jar			X	X						X																								
11.18.25	10:35	Soil	BH25-15 0'	1-4oz jar			X	X						X																								
11.18.25	10:50	Soil	BH25-15 1'	1-4oz jar			X	X						X																								
11.18.25	12:20	Soil	BH25-16 0'	1-4oz jar			X	X						X																								
11.18.25	12:35	Soil	BH25-16 2'	1-4oz jar			X	X						X																								
11.18.25	10:52	Soil	BH25-17 0'	1-4oz jar			X	X						X																								
11.18.25	11:15	Soil	BH25-17 1'	1-4oz jar			X	X						X																								

Date: 11-19-25 Time: 07:00 Relinquished by: *Lakin Pullman*

Received by: *[Signature]* Via: *cowder* Date: 11/19/25 Time: 7:00

Direct Bill to Mack Energy: ATTN: Matt Buckles
CC: Sally Carttar (SCarttar@vertexresource.com), permian@vertexresource.com, Sharon Minnix (SMinnix@vertexresource.com), Katrina Taylor (Katrina.Taylor@vertexresource.com), and Lakin Pullman (LPullman@vertexresource.com) for Final Report.

Date: 11/19/25 Time: 19:00 Relinquished by: *[Signature]*

Received by: *[Signature]* Via: *cowder* Date: 11/20/25 Time: 7:50

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 noted on the analytical report.



2/2

Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-38048-1

Login Number: 38048

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

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- 10
- 11

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/1/2025 12:33:21 PM

JOB DESCRIPTION

Cornwall Federal #001H

JOB NUMBER

885-38104-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

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

Authorization



Generated
12/1/2025 12:33:21 PM

Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)338-8812

Client: Vertex
Project/Site: Cornwall Federal #001H

Laboratory Job ID: 885-38104-1



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Definitions/Glossary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Qualifiers

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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: Cornwall Federal #001H

Job ID: 885-38104-1

Job ID: 885-38104-1

Eurofins Albuquerque

Job Narrative 885-38104-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 11/21/2025 8:00 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 2.8°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

Method 300_OF_28D_PREC: The matrix spike duplicate (MSD) recoveries for preparation batch 885-38977 and analytical batch 885-38990 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Eurofins Albuquerque



Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-18 0'

Lab Sample ID: 885-38104-1

Date Collected: 11/19/25 10:42

Matrix: Solid

Date Received: 11/21/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/21/25 12:38	11/22/25 20:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 150			11/21/25 12:38	11/22/25 20:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/21/25 12:38	11/22/25 20:32	1
Ethylbenzene	ND		0.048	mg/Kg		11/21/25 12:38	11/22/25 20:32	1
Toluene	ND		0.048	mg/Kg		11/21/25 12:38	11/22/25 20:32	1
Xylenes, Total	ND		0.096	mg/Kg		11/21/25 12:38	11/22/25 20:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/21/25 12:38	11/22/25 20:32	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]	16		9.8	mg/Kg		11/24/25 11:22	11/25/25 00:51	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/24/25 11:22	11/25/25 00:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			11/24/25 11:22	11/25/25 00:51	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/21/25 18:10	11/22/25 14:07	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-18 1'

Lab Sample ID: 885-38104-2

Date Collected: 11/19/25 11:05

Matrix: Solid

Date Received: 11/21/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/21/25 12:38	11/22/25 20:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		15 - 150			11/21/25 12:38	11/22/25 20:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/21/25 12:38	11/22/25 20:56	1
Ethylbenzene	ND		0.049	mg/Kg		11/21/25 12:38	11/22/25 20:56	1
Toluene	ND		0.049	mg/Kg		11/21/25 12:38	11/22/25 20:56	1
Xylenes, Total	ND		0.098	mg/Kg		11/21/25 12:38	11/22/25 20:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/21/25 12:38	11/22/25 20:56	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		11/24/25 11:22	11/25/25 01:03	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/24/25 11:22	11/25/25 01:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			11/24/25 11:22	11/25/25 01:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/21/25 18:10	11/22/25 14:38	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-19 0'

Lab Sample ID: 885-38104-3

Date Collected: 11/19/25 11:16

Matrix: Solid

Date Received: 11/21/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/21/25 12:38	11/22/25 21:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/21/25 12:38	11/22/25 21:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/21/25 12:38	11/22/25 21:19	1
Ethylbenzene	ND		0.048	mg/Kg		11/21/25 12:38	11/22/25 21:19	1
Toluene	ND		0.048	mg/Kg		11/21/25 12:38	11/22/25 21:19	1
Xylenes, Total	ND		0.096	mg/Kg		11/21/25 12:38	11/22/25 21:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			11/21/25 12:38	11/22/25 21:19	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		9.9	mg/Kg		11/24/25 11:22	11/25/25 01:14	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/24/25 11:22	11/25/25 01:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			11/24/25 11:22	11/25/25 01:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/21/25 18:10	11/22/25 14:48	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-19 1'

Lab Sample ID: 885-38104-4

Date Collected: 11/19/25 11:30

Matrix: Solid

Date Received: 11/21/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/21/25 12:38	11/22/25 21:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/21/25 12:38	11/22/25 21:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/21/25 12:38	11/22/25 21:43	1
Ethylbenzene	ND		0.048	mg/Kg		11/21/25 12:38	11/22/25 21:43	1
Toluene	ND		0.048	mg/Kg		11/21/25 12:38	11/22/25 21:43	1
Xylenes, Total	ND		0.096	mg/Kg		11/21/25 12:38	11/22/25 21:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			11/21/25 12:38	11/22/25 21:43	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		11/24/25 11:22	11/25/25 01:26	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/24/25 11:22	11/25/25 01:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			11/24/25 11:22	11/25/25 01:26	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59		50	mg/Kg		11/21/25 18:10	11/22/25 14:59	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-20 0'

Lab Sample ID: 885-38104-5

Date Collected: 11/19/25 11:44

Matrix: Solid

Date Received: 11/21/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/21/25 12:38	11/22/25 22:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/21/25 12:38	11/22/25 22:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/21/25 12:38	11/22/25 22:07	1
Ethylbenzene	ND		0.048	mg/Kg		11/21/25 12:38	11/22/25 22:07	1
Toluene	ND		0.048	mg/Kg		11/21/25 12:38	11/22/25 22:07	1
Xylenes, Total	ND		0.096	mg/Kg		11/21/25 12:38	11/22/25 22:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			11/21/25 12:38	11/22/25 22:07	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		11/24/25 11:22	11/25/25 01:37	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/24/25 11:22	11/25/25 01:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			11/24/25 11:22	11/25/25 01:37	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/21/25 18:10	11/22/25 15:09	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-20 1.5'

Lab Sample ID: 885-38104-6

Date Collected: 11/19/25 11:58

Matrix: Solid

Date Received: 11/21/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6	mg/Kg		11/21/25 12:38	11/22/25 22:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			11/21/25 12:38	11/22/25 22:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/21/25 12:38	11/22/25 22:31	1
Ethylbenzene	ND		0.046	mg/Kg		11/21/25 12:38	11/22/25 22:31	1
Toluene	ND		0.046	mg/Kg		11/21/25 12:38	11/22/25 22:31	1
Xylenes, Total	ND		0.093	mg/Kg		11/21/25 12:38	11/22/25 22:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			11/21/25 12:38	11/22/25 22:31	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		11/24/25 11:22	11/25/25 02:00	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/24/25 11:22	11/25/25 02:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			11/24/25 11:22	11/25/25 02:00	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/21/25 18:10	11/22/25 15:19	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-21 0'

Lab Sample ID: 885-38104-7

Date Collected: 11/19/25 12:27

Matrix: Solid

Date Received: 11/21/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/21/25 12:38	11/22/25 23:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		15 - 150			11/21/25 12:38	11/22/25 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		11/21/25 12:38	11/22/25 23:18	1
Ethylbenzene	ND		0.047	mg/Kg		11/21/25 12:38	11/22/25 23:18	1
Toluene	ND		0.047	mg/Kg		11/21/25 12:38	11/22/25 23:18	1
Xylenes, Total	ND		0.095	mg/Kg		11/21/25 12:38	11/22/25 23:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			11/21/25 12:38	11/22/25 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]	28		9.7	mg/Kg		11/24/25 11:22	11/25/25 02:12	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/24/25 11:22	11/25/25 02:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			11/24/25 11:22	11/25/25 02:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/21/25 18:10	11/22/25 15:30	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-21 1'

Lab Sample ID: 885-38104-8

Date Collected: 11/19/25 12:44

Matrix: Solid

Date Received: 11/21/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/21/25 12:38	11/22/25 23:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 150			11/21/25 12:38	11/22/25 23:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/21/25 12:38	11/22/25 23:42	1
Ethylbenzene	ND		0.049	mg/Kg		11/21/25 12:38	11/22/25 23:42	1
Toluene	ND		0.049	mg/Kg		11/21/25 12:38	11/22/25 23:42	1
Xylenes, Total	ND		0.099	mg/Kg		11/21/25 12:38	11/22/25 23:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			11/21/25 12:38	11/22/25 23:42	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		11/24/25 11:22	11/25/25 02:23	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		11/24/25 11:22	11/25/25 02:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			11/24/25 11:22	11/25/25 02:23	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82		50	mg/Kg		11/24/25 14:53	11/24/25 16:33	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-22 0'

Lab Sample ID: 885-38104-9

Date Collected: 11/19/25 12:07

Matrix: Solid

Date Received: 11/21/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6	mg/Kg		11/21/25 12:38	11/23/25 00:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		15 - 150			11/21/25 12:38	11/23/25 00:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/21/25 12:38	11/23/25 00:06	1
Ethylbenzene	ND		0.046	mg/Kg		11/21/25 12:38	11/23/25 00:06	1
Toluene	ND		0.046	mg/Kg		11/21/25 12:38	11/23/25 00:06	1
Xylenes, Total	ND		0.092	mg/Kg		11/21/25 12:38	11/23/25 00:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			11/21/25 12:38	11/23/25 00:06	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]	46		9.8	mg/Kg		11/24/25 11:22	11/25/25 02:35	1
Motor Oil Range Organics [C28-C40]	97		49	mg/Kg		11/24/25 11:22	11/25/25 02:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			11/24/25 11:22	11/25/25 02:35	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	F1	49	mg/Kg		11/24/25 14:53	11/24/25 17:14	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-22 1'

Lab Sample ID: 885-38104-10

Date Collected: 11/19/25 12:20

Matrix: Solid

Date Received: 11/21/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/21/25 14:55	11/24/25 10:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			11/21/25 14:55	11/24/25 10:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/21/25 14:55	11/24/25 10:04	1
Ethylbenzene	ND		0.049	mg/Kg		11/21/25 14:55	11/24/25 10:04	1
Toluene	ND		0.049	mg/Kg		11/21/25 14:55	11/24/25 10:04	1
Xylenes, Total	ND		0.099	mg/Kg		11/21/25 14:55	11/24/25 10:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			11/21/25 14:55	11/24/25 10:04	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		11/24/25 14:30	11/24/25 18:00	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/24/25 14:30	11/24/25 18:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			11/24/25 14:30	11/24/25 18:00	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		11/24/25 14:53	11/24/25 17:55	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-23 0'

Lab Sample ID: 885-38104-11

Date Collected: 11/19/25 11:51

Matrix: Solid

Date Received: 11/21/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/21/25 14:55	11/24/25 11:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/21/25 14:55	11/24/25 11:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/21/25 14:55	11/24/25 11:15	1
Ethylbenzene	ND		0.049	mg/Kg		11/21/25 14:55	11/24/25 11:15	1
Toluene	ND		0.049	mg/Kg		11/21/25 14:55	11/24/25 11:15	1
Xylenes, Total	ND		0.098	mg/Kg		11/21/25 14:55	11/24/25 11:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			11/21/25 14:55	11/24/25 11:15	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]	200		9.4	mg/Kg		11/24/25 14:30	11/24/25 18:32	1
Motor Oil Range Organics [C28-C40]	180		47	mg/Kg		11/24/25 14:30	11/24/25 18:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			11/24/25 14:30	11/24/25 18:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93		50	mg/Kg		11/24/25 14:53	11/24/25 18:08	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-23 1.5'

Lab Sample ID: 885-38104-12

Date Collected: 11/19/25 12:09

Matrix: Solid

Date Received: 11/21/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/21/25 14:55	11/24/25 12:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/21/25 14:55	11/24/25 12:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/21/25 14:55	11/24/25 12:26	1
Ethylbenzene	ND		0.049	mg/Kg		11/21/25 14:55	11/24/25 12:26	1
Toluene	ND		0.049	mg/Kg		11/21/25 14:55	11/24/25 12:26	1
Xylenes, Total	ND		0.098	mg/Kg		11/21/25 14:55	11/24/25 12:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			11/21/25 14:55	11/24/25 12:26	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		11/24/25 14:30	11/24/25 18:43	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/24/25 14:30	11/24/25 18:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			11/24/25 14:30	11/24/25 18:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		49	mg/Kg		11/24/25 14:53	11/24/25 18:49	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-24 0'

Lab Sample ID: 885-38104-13

Date Collected: 11/19/25 12:17

Matrix: Solid

Date Received: 11/21/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/21/25 14:55	11/24/25 12:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		15 - 150			11/21/25 14:55	11/24/25 12:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/21/25 14:55	11/24/25 12:50	1
Ethylbenzene	ND		0.049	mg/Kg		11/21/25 14:55	11/24/25 12:50	1
Toluene	ND		0.049	mg/Kg		11/21/25 14:55	11/24/25 12:50	1
Xylenes, Total	ND		0.098	mg/Kg		11/21/25 14:55	11/24/25 12:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 150			11/21/25 14:55	11/24/25 12:50	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]	96		9.8	mg/Kg		11/24/25 14:30	11/24/25 18:53	1
Motor Oil Range Organics [C28-C40]	98		49	mg/Kg		11/24/25 14:30	11/24/25 18:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			11/24/25 14:30	11/24/25 18:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/24/25 14:53	11/24/25 19:03	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-24 1'

Lab Sample ID: 885-38104-14

Date Collected: 11/19/25 12:30

Matrix: Solid

Date Received: 11/21/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/21/25 14:55	11/24/25 13:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/21/25 14:55	11/24/25 13:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/21/25 14:55	11/24/25 13:14	1
Ethylbenzene	ND		0.049	mg/Kg		11/21/25 14:55	11/24/25 13:14	1
Toluene	ND		0.049	mg/Kg		11/21/25 14:55	11/24/25 13:14	1
Xylenes, Total	ND		0.099	mg/Kg		11/21/25 14:55	11/24/25 13:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/21/25 14:55	11/24/25 13:14	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		11/24/25 14:30	11/24/25 19:04	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/24/25 14:30	11/24/25 19:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			11/24/25 14:30	11/24/25 19:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/24/25 14:53	11/24/25 19:17	10

QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

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

Lab Sample ID: MB 885-38878/1-A
Matrix: Solid
Analysis Batch: 38921

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38878

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/21/25 12:38	11/22/25 13:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/21/25 12:38	11/22/25 13:49	1

Lab Sample ID: LCS 885-38878/2-A
Matrix: Solid
Analysis Batch: 38921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38878

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	25.4		mg/Kg		102	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	209		15 - 150				

Lab Sample ID: MB 885-38894/1-A
Matrix: Solid
Analysis Batch: 38932

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38894

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/21/25 14:55	11/24/25 09:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			11/21/25 14:55	11/24/25 09:40	1

Lab Sample ID: LCS 885-38894/2-A
Matrix: Solid
Analysis Batch: 38932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	27.5		mg/Kg		110	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	200		15 - 150				

Lab Sample ID: 885-38104-10 MS
Matrix: Solid
Analysis Batch: 38932

Client Sample ID: BH25-22 1'
Prep Type: Total/NA
Prep Batch: 38894

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	ND		24.6	27.6		mg/Kg		112	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	220		15 - 150						

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

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

Lab Sample ID: 885-38104-10 MSD
Matrix: Solid
Analysis Batch: 38932

Client Sample ID: BH25-22 1'
Prep Type: Total/NA
Prep Batch: 38894

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		24.6	25.1		mg/Kg		102	70 - 130	9	20
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	215		15 - 150								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-38878/1-A
Matrix: Solid
Analysis Batch: 38922

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38878

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/21/25 12:38	11/22/25 13:49	1
Ethylbenzene	ND		0.050	mg/Kg		11/21/25 12:38	11/22/25 13:49	1
Toluene	ND		0.050	mg/Kg		11/21/25 12:38	11/22/25 13:49	1
Xylenes, Total	ND		0.10	mg/Kg		11/21/25 12:38	11/22/25 13:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			11/21/25 12:38	11/22/25 13:49	1

Lab Sample ID: LCS 885-38878/3-A
Matrix: Solid
Analysis Batch: 38922

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38878

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.912		mg/Kg		91	70 - 130
Ethylbenzene	1.00	0.924		mg/Kg		92	70 - 130
m,p-Xylene	2.00	1.86		mg/Kg		93	70 - 130
o-Xylene	1.00	0.918		mg/Kg		92	70 - 130
Toluene	1.00	0.932		mg/Kg		93	70 - 130
Xylenes, Total	3.00	2.78		mg/Kg		93	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	110		15 - 150				

Lab Sample ID: MB 885-38894/1-A
Matrix: Solid
Analysis Batch: 38933

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38894

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/21/25 14:55	11/24/25 09:40	1
Ethylbenzene	ND		0.050	mg/Kg		11/21/25 14:55	11/24/25 09:40	1
Toluene	ND		0.050	mg/Kg		11/21/25 14:55	11/24/25 09:40	1
Xylenes, Total	ND		0.10	mg/Kg		11/21/25 14:55	11/24/25 09:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			11/21/25 14:55	11/24/25 09:40	1

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 885-38894/3-A
Matrix: Solid
Analysis Batch: 38933

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.930		mg/Kg		93	70 - 130
Ethylbenzene	1.00	0.906		mg/Kg		91	70 - 130
m,p-Xylene	2.00	1.83		mg/Kg		92	70 - 130
o-Xylene	1.00	0.887		mg/Kg		89	70 - 130
Toluene	1.00	0.931		mg/Kg		93	70 - 130
Xylenes, Total	3.00	2.72		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		15 - 150

Lab Sample ID: 885-38104-11 MS
Matrix: Solid
Analysis Batch: 38933

Client Sample ID: BH25-23 0'
Prep Type: Total/NA
Prep Batch: 38894

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.983	0.896		mg/Kg		91	70 - 130
Ethylbenzene	ND		0.983	0.917		mg/Kg		93	70 - 130
m,p-Xylene	ND		1.97	1.83		mg/Kg		93	70 - 130
o-Xylene	ND		0.983	0.916		mg/Kg		93	70 - 130
Toluene	ND		0.983	0.919		mg/Kg		93	70 - 130
Xylenes, Total	ND		2.95	2.75		mg/Kg		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		15 - 150

Lab Sample ID: 885-38104-11 MSD
Matrix: Solid
Analysis Batch: 38933

Client Sample ID: BH25-23 0'
Prep Type: Total/NA
Prep Batch: 38894

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
										RPD	Limit
Benzene	ND		0.985	0.903		mg/Kg		92	70 - 130	1	20
Ethylbenzene	ND		0.985	0.923		mg/Kg		94	70 - 130	1	20
m,p-Xylene	ND		1.97	1.85		mg/Kg		94	70 - 130	1	20
o-Xylene	ND		0.985	0.928		mg/Kg		94	70 - 130	1	20
Toluene	ND		0.985	0.926		mg/Kg		94	70 - 130	1	20
Xylenes, Total	ND		2.96	2.77		mg/Kg		93	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		15 - 150

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

Lab Sample ID: MB 885-38960/1-A
Matrix: Solid
Analysis Batch: 38938

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38960

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		11/24/25 11:22	11/24/25 21:01	1

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

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

Lab Sample ID: MB 885-38960/1-A
Matrix: Solid
Analysis Batch: 38938

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38960

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/24/25 11:22	11/24/25 21:01	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			11/24/25 11:22	11/24/25 21:01	1

Lab Sample ID: LCS 885-38960/2-A
Matrix: Solid
Analysis Batch: 38938

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38960

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	45.6		mg/Kg		91	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	97		62 - 134				

Lab Sample ID: MB 885-38975/1-A
Matrix: Solid
Analysis Batch: 38942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38975

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		11/24/25 14:30	11/24/25 17:39	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/24/25 14:30	11/24/25 17:39	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			11/24/25 14:30	11/24/25 17:39	1

Lab Sample ID: LCS 885-38975/2-A
Matrix: Solid
Analysis Batch: 38942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38975

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	52.5		mg/Kg		105	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	98		62 - 134				

Lab Sample ID: 885-38104-10 MS
Matrix: Solid
Analysis Batch: 38942

Client Sample ID: BH25-22 1'
Prep Type: Total/NA
Prep Batch: 38975

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		47.7	52.2		mg/Kg		109	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	103		62 - 134						

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

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

Lab Sample ID: 885-38104-10 MSD
Matrix: Solid
Analysis Batch: 38942

Client Sample ID: BH25-22 1'
Prep Type: Total/NA
Prep Batch: 38975

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		47.4	51.4		mg/Kg		108	44 - 136	1	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	97		62 - 134								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-38918/1-A
Matrix: Solid
Analysis Batch: 38920

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38918

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		11/21/25 18:10	11/22/25 10:26	1

Lab Sample ID: LCS 885-38918/2-A
Matrix: Solid
Analysis Batch: 38920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38918

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.8	48.9		mg/Kg		98	90 - 110

Lab Sample ID: MB 885-38977/1-A
Matrix: Solid
Analysis Batch: 38990

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38977

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		11/24/25 14:53	11/24/25 15:49	1

Lab Sample ID: LCS 885-38977/2-A
Matrix: Solid
Analysis Batch: 38990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38977

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.5	46.6		mg/Kg		94	90 - 110

Lab Sample ID: 885-38104-8 MS
Matrix: Solid
Analysis Batch: 38990

Client Sample ID: BH25-21 1'
Prep Type: Total/NA
Prep Batch: 38977

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	82		50.3	127		mg/Kg		90	50 - 150

Lab Sample ID: 885-38104-8 MSD
Matrix: Solid
Analysis Batch: 38990

Client Sample ID: BH25-21 1'
Prep Type: Total/NA
Prep Batch: 38977

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	82		50.0	122		mg/Kg		80	50 - 150	4	20

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-38104-9 MS
Matrix: Solid
Analysis Batch: 38990

Client Sample ID: BH25-22 0'
Prep Type: Total/NA
Prep Batch: 38977

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND	F1	50.0	72.1		mg/Kg		144	50 - 150

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

QC Association Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

GC VOA

Prep Batch: 38878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-1	BH25-18 0'	Total/NA	Solid	5030C	
885-38104-2	BH25-18 1'	Total/NA	Solid	5030C	
885-38104-3	BH25-19 0'	Total/NA	Solid	5030C	
885-38104-4	BH25-19 1'	Total/NA	Solid	5030C	
885-38104-5	BH25-20 0'	Total/NA	Solid	5030C	
885-38104-6	BH25-20 1.5'	Total/NA	Solid	5030C	
885-38104-7	BH25-21 0'	Total/NA	Solid	5030C	
885-38104-8	BH25-21 1'	Total/NA	Solid	5030C	
885-38104-9	BH25-22 0'	Total/NA	Solid	5030C	
MB 885-38878/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-38878/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-38878/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 38894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-10	BH25-22 1'	Total/NA	Solid	5030C	
885-38104-11	BH25-23 0'	Total/NA	Solid	5030C	
885-38104-12	BH25-23 1.5'	Total/NA	Solid	5030C	
885-38104-13	BH25-24 0'	Total/NA	Solid	5030C	
885-38104-14	BH25-24 1'	Total/NA	Solid	5030C	
MB 885-38894/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-38894/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-38894/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-38104-10 MS	BH25-22 1'	Total/NA	Solid	5030C	
885-38104-10 MSD	BH25-22 1'	Total/NA	Solid	5030C	
885-38104-11 MS	BH25-23 0'	Total/NA	Solid	5030C	
885-38104-11 MSD	BH25-23 0'	Total/NA	Solid	5030C	

Analysis Batch: 38921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-1	BH25-18 0'	Total/NA	Solid	8015M/D	38878
885-38104-2	BH25-18 1'	Total/NA	Solid	8015M/D	38878
885-38104-3	BH25-19 0'	Total/NA	Solid	8015M/D	38878
885-38104-4	BH25-19 1'	Total/NA	Solid	8015M/D	38878
885-38104-5	BH25-20 0'	Total/NA	Solid	8015M/D	38878
885-38104-6	BH25-20 1.5'	Total/NA	Solid	8015M/D	38878
885-38104-7	BH25-21 0'	Total/NA	Solid	8015M/D	38878
885-38104-8	BH25-21 1'	Total/NA	Solid	8015M/D	38878
885-38104-9	BH25-22 0'	Total/NA	Solid	8015M/D	38878
MB 885-38878/1-A	Method Blank	Total/NA	Solid	8015M/D	38878
LCS 885-38878/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	38878

Analysis Batch: 38922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-1	BH25-18 0'	Total/NA	Solid	8021B	38878
885-38104-2	BH25-18 1'	Total/NA	Solid	8021B	38878
885-38104-3	BH25-19 0'	Total/NA	Solid	8021B	38878
885-38104-4	BH25-19 1'	Total/NA	Solid	8021B	38878
885-38104-5	BH25-20 0'	Total/NA	Solid	8021B	38878
885-38104-6	BH25-20 1.5'	Total/NA	Solid	8021B	38878
885-38104-7	BH25-21 0'	Total/NA	Solid	8021B	38878

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QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

GC VOA (Continued)

Analysis Batch: 38922 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-8	BH25-21 1'	Total/NA	Solid	8021B	38878
885-38104-9	BH25-22 0'	Total/NA	Solid	8021B	38878
MB 885-38878/1-A	Method Blank	Total/NA	Solid	8021B	38878
LCS 885-38878/3-A	Lab Control Sample	Total/NA	Solid	8021B	38878

Analysis Batch: 38932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-10	BH25-22 1'	Total/NA	Solid	8015M/D	38894
885-38104-11	BH25-23 0'	Total/NA	Solid	8015M/D	38894
885-38104-12	BH25-23 1.5'	Total/NA	Solid	8015M/D	38894
885-38104-13	BH25-24 0'	Total/NA	Solid	8015M/D	38894
885-38104-14	BH25-24 1'	Total/NA	Solid	8015M/D	38894
MB 885-38894/1-A	Method Blank	Total/NA	Solid	8015M/D	38894
LCS 885-38894/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	38894
885-38104-10 MS	BH25-22 1'	Total/NA	Solid	8015M/D	38894
885-38104-10 MSD	BH25-22 1'	Total/NA	Solid	8015M/D	38894

Analysis Batch: 38933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-10	BH25-22 1'	Total/NA	Solid	8021B	38894
885-38104-11	BH25-23 0'	Total/NA	Solid	8021B	38894
885-38104-12	BH25-23 1.5'	Total/NA	Solid	8021B	38894
885-38104-13	BH25-24 0'	Total/NA	Solid	8021B	38894
885-38104-14	BH25-24 1'	Total/NA	Solid	8021B	38894
MB 885-38894/1-A	Method Blank	Total/NA	Solid	8021B	38894
LCS 885-38894/3-A	Lab Control Sample	Total/NA	Solid	8021B	38894
885-38104-11 MS	BH25-23 0'	Total/NA	Solid	8021B	38894
885-38104-11 MSD	BH25-23 0'	Total/NA	Solid	8021B	38894

GC Semi VOA

Analysis Batch: 38938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-1	BH25-18 0'	Total/NA	Solid	8015M/D	38960
885-38104-2	BH25-18 1'	Total/NA	Solid	8015M/D	38960
885-38104-3	BH25-19 0'	Total/NA	Solid	8015M/D	38960
885-38104-4	BH25-19 1'	Total/NA	Solid	8015M/D	38960
885-38104-5	BH25-20 0'	Total/NA	Solid	8015M/D	38960
885-38104-6	BH25-20 1.5'	Total/NA	Solid	8015M/D	38960
885-38104-7	BH25-21 0'	Total/NA	Solid	8015M/D	38960
885-38104-8	BH25-21 1'	Total/NA	Solid	8015M/D	38960
885-38104-9	BH25-22 0'	Total/NA	Solid	8015M/D	38960
MB 885-38960/1-A	Method Blank	Total/NA	Solid	8015M/D	38960
LCS 885-38960/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	38960

Analysis Batch: 38942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-10	BH25-22 1'	Total/NA	Solid	8015M/D	38975
885-38104-11	BH25-23 0'	Total/NA	Solid	8015M/D	38975
885-38104-12	BH25-23 1.5'	Total/NA	Solid	8015M/D	38975
885-38104-13	BH25-24 0'	Total/NA	Solid	8015M/D	38975

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QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

GC Semi VOA (Continued)

Analysis Batch: 38942 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-14	BH25-24 1'	Total/NA	Solid	8015M/D	38975
MB 885-38975/1-A	Method Blank	Total/NA	Solid	8015M/D	38975
LCS 885-38975/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	38975
885-38104-10 MS	BH25-22 1'	Total/NA	Solid	8015M/D	38975
885-38104-10 MSD	BH25-22 1'	Total/NA	Solid	8015M/D	38975

Prep Batch: 38960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-1	BH25-18 0'	Total/NA	Solid	SHAKE	
885-38104-2	BH25-18 1'	Total/NA	Solid	SHAKE	
885-38104-3	BH25-19 0'	Total/NA	Solid	SHAKE	
885-38104-4	BH25-19 1'	Total/NA	Solid	SHAKE	
885-38104-5	BH25-20 0'	Total/NA	Solid	SHAKE	
885-38104-6	BH25-20 1.5'	Total/NA	Solid	SHAKE	
885-38104-7	BH25-21 0'	Total/NA	Solid	SHAKE	
885-38104-8	BH25-21 1'	Total/NA	Solid	SHAKE	
885-38104-9	BH25-22 0'	Total/NA	Solid	SHAKE	
MB 885-38960/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-38960/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 38975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-10	BH25-22 1'	Total/NA	Solid	SHAKE	
885-38104-11	BH25-23 0'	Total/NA	Solid	SHAKE	
885-38104-12	BH25-23 1.5'	Total/NA	Solid	SHAKE	
885-38104-13	BH25-24 0'	Total/NA	Solid	SHAKE	
885-38104-14	BH25-24 1'	Total/NA	Solid	SHAKE	
MB 885-38975/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-38975/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-38104-10 MS	BH25-22 1'	Total/NA	Solid	SHAKE	
885-38104-10 MSD	BH25-22 1'	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 38918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-1	BH25-18 0'	Total/NA	Solid	300_Prep	
885-38104-2	BH25-18 1'	Total/NA	Solid	300_Prep	
885-38104-3	BH25-19 0'	Total/NA	Solid	300_Prep	
885-38104-4	BH25-19 1'	Total/NA	Solid	300_Prep	
885-38104-5	BH25-20 0'	Total/NA	Solid	300_Prep	
885-38104-6	BH25-20 1.5'	Total/NA	Solid	300_Prep	
885-38104-7	BH25-21 0'	Total/NA	Solid	300_Prep	
MB 885-38918/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-38918/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 38920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-1	BH25-18 0'	Total/NA	Solid	300.0	38918
885-38104-2	BH25-18 1'	Total/NA	Solid	300.0	38918
885-38104-3	BH25-19 0'	Total/NA	Solid	300.0	38918

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QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

HPLC/IC (Continued)

Analysis Batch: 38920 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-4	BH25-19 1'	Total/NA	Solid	300.0	38918
885-38104-5	BH25-20 0'	Total/NA	Solid	300.0	38918
885-38104-6	BH25-20 1.5'	Total/NA	Solid	300.0	38918
885-38104-7	BH25-21 0'	Total/NA	Solid	300.0	38918
MB 885-38918/1-A	Method Blank	Total/NA	Solid	300.0	38918
LCS 885-38918/2-A	Lab Control Sample	Total/NA	Solid	300.0	38918

Prep Batch: 38977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-8	BH25-21 1'	Total/NA	Solid	300_Prep	
885-38104-9	BH25-22 0'	Total/NA	Solid	300_Prep	
885-38104-10	BH25-22 1'	Total/NA	Solid	300_Prep	
885-38104-11	BH25-23 0'	Total/NA	Solid	300_Prep	
885-38104-12	BH25-23 1.5'	Total/NA	Solid	300_Prep	
885-38104-13	BH25-24 0'	Total/NA	Solid	300_Prep	
885-38104-14	BH25-24 1'	Total/NA	Solid	300_Prep	
MB 885-38977/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-38977/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-38104-8 MS	BH25-21 1'	Total/NA	Solid	300_Prep	
885-38104-8 MSD	BH25-21 1'	Total/NA	Solid	300_Prep	
885-38104-9 MS	BH25-22 0'	Total/NA	Solid	300_Prep	

Analysis Batch: 38990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38104-8	BH25-21 1'	Total/NA	Solid	300.0	38977
885-38104-9	BH25-22 0'	Total/NA	Solid	300.0	38977
885-38104-10	BH25-22 1'	Total/NA	Solid	300.0	38977
885-38104-11	BH25-23 0'	Total/NA	Solid	300.0	38977
885-38104-12	BH25-23 1.5'	Total/NA	Solid	300.0	38977
885-38104-13	BH25-24 0'	Total/NA	Solid	300.0	38977
885-38104-14	BH25-24 1'	Total/NA	Solid	300.0	38977
MB 885-38977/1-A	Method Blank	Total/NA	Solid	300.0	38977
LCS 885-38977/2-A	Lab Control Sample	Total/NA	Solid	300.0	38977
885-38104-8 MS	BH25-21 1'	Total/NA	Solid	300.0	38977
885-38104-8 MSD	BH25-21 1'	Total/NA	Solid	300.0	38977
885-38104-9 MS	BH25-22 0'	Total/NA	Solid	300.0	38977

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-18 0'

Lab Sample ID: 885-38104-1

Date Collected: 11/19/25 10:42

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/22/25 20:32
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/22/25 20:32
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		1	38938	EM	EET ALB	11/25/25 00:51
Total/NA	Prep	300_Prep			38918	JT	EET ALB	11/21/25 18:10
Total/NA	Analysis	300.0		10	38920	JT	EET ALB	11/22/25 14:07

Client Sample ID: BH25-18 1'

Lab Sample ID: 885-38104-2

Date Collected: 11/19/25 11:05

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/22/25 20:56
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/22/25 20:56
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		1	38938	EM	EET ALB	11/25/25 01:03
Total/NA	Prep	300_Prep			38918	JT	EET ALB	11/21/25 18:10
Total/NA	Analysis	300.0		10	38920	JT	EET ALB	11/22/25 14:38

Client Sample ID: BH25-19 0'

Lab Sample ID: 885-38104-3

Date Collected: 11/19/25 11:16

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/22/25 21:19
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/22/25 21:19
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		1	38938	EM	EET ALB	11/25/25 01:14
Total/NA	Prep	300_Prep			38918	JT	EET ALB	11/21/25 18:10
Total/NA	Analysis	300.0		10	38920	JT	EET ALB	11/22/25 14:48

Client Sample ID: BH25-19 1'

Lab Sample ID: 885-38104-4

Date Collected: 11/19/25 11:30

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/22/25 21:43

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-19 1'

Lab Sample ID: 885-38104-4

Date Collected: 11/19/25 11:30

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/22/25 21:43
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		1	38938	EM	EET ALB	11/25/25 01:26
Total/NA	Prep	300_Prep			38918	JT	EET ALB	11/21/25 18:10
Total/NA	Analysis	300.0		10	38920	JT	EET ALB	11/22/25 14:59

Client Sample ID: BH25-20 0'

Lab Sample ID: 885-38104-5

Date Collected: 11/19/25 11:44

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/22/25 22:07
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/22/25 22:07
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		1	38938	EM	EET ALB	11/25/25 01:37
Total/NA	Prep	300_Prep			38918	JT	EET ALB	11/21/25 18:10
Total/NA	Analysis	300.0		10	38920	JT	EET ALB	11/22/25 15:09

Client Sample ID: BH25-20 1.5'

Lab Sample ID: 885-38104-6

Date Collected: 11/19/25 11:58

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/22/25 22:31
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/22/25 22:31
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		1	38938	EM	EET ALB	11/25/25 02:00
Total/NA	Prep	300_Prep			38918	JT	EET ALB	11/21/25 18:10
Total/NA	Analysis	300.0		10	38920	JT	EET ALB	11/22/25 15:19

Client Sample ID: BH25-21 0'

Lab Sample ID: 885-38104-7

Date Collected: 11/19/25 12:27

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/22/25 23:18
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/22/25 23:18

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-21 0'

Lab Sample ID: 885-38104-7

Date Collected: 11/19/25 12:27

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		1	38938	EM	EET ALB	11/25/25 02:12
Total/NA	Prep	300_Prep			38918	JT	EET ALB	11/21/25 18:10
Total/NA	Analysis	300.0		10	38920	JT	EET ALB	11/22/25 15:30

Client Sample ID: BH25-21 1'

Lab Sample ID: 885-38104-8

Date Collected: 11/19/25 12:44

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/22/25 23:42
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/22/25 23:42
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		1	38938	EM	EET ALB	11/25/25 02:23
Total/NA	Prep	300_Prep			38977	JR	EET ALB	11/24/25 14:53
Total/NA	Analysis	300.0		10	38990	EH	EET ALB	11/24/25 16:33

Client Sample ID: BH25-22 0'

Lab Sample ID: 885-38104-9

Date Collected: 11/19/25 12:07

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8015M/D		1	38921	VP	EET ALB	11/23/25 00:06
Total/NA	Prep	5030C			38878	JP	EET ALB	11/21/25 12:38
Total/NA	Analysis	8021B		1	38922	VP	EET ALB	11/23/25 00:06
Total/NA	Prep	SHAKE			38960	EM	EET ALB	11/24/25 11:22
Total/NA	Analysis	8015M/D		1	38938	EM	EET ALB	11/25/25 02:35
Total/NA	Prep	300_Prep			38977	JR	EET ALB	11/24/25 14:53
Total/NA	Analysis	300.0		10	38990	EH	EET ALB	11/24/25 17:14

Client Sample ID: BH25-22 1'

Lab Sample ID: 885-38104-10

Date Collected: 11/19/25 12:20

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38894	VP	EET ALB	11/21/25 14:55
Total/NA	Analysis	8015M/D		1	38932	VP	EET ALB	11/24/25 10:04
Total/NA	Prep	5030C			38894	VP	EET ALB	11/21/25 14:55
Total/NA	Analysis	8021B		1	38933	VP	EET ALB	11/24/25 10:04
Total/NA	Prep	SHAKE			38975	BV	EET ALB	11/24/25 14:30
Total/NA	Analysis	8015M/D		1	38942	BV	EET ALB	11/24/25 18:00

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-22 1'

Lab Sample ID: 885-38104-10

Date Collected: 11/19/25 12:20

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			38977	JR	EET ALB	11/24/25 14:53
Total/NA	Analysis	300.0		10	38990	EH	EET ALB	11/24/25 17:55

Client Sample ID: BH25-23 0'

Lab Sample ID: 885-38104-11

Date Collected: 11/19/25 11:51

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38894	VP	EET ALB	11/21/25 14:55
Total/NA	Analysis	8015M/D		1	38932	VP	EET ALB	11/24/25 11:15
Total/NA	Prep	5030C			38894	VP	EET ALB	11/21/25 14:55
Total/NA	Analysis	8021B		1	38933	VP	EET ALB	11/24/25 11:15
Total/NA	Prep	SHAKE			38975	BV	EET ALB	11/24/25 14:30
Total/NA	Analysis	8015M/D		1	38942	BV	EET ALB	11/24/25 18:32
Total/NA	Prep	300_Prep			38977	JR	EET ALB	11/24/25 14:53
Total/NA	Analysis	300.0		10	38990	EH	EET ALB	11/24/25 18:08

Client Sample ID: BH25-23 1.5'

Lab Sample ID: 885-38104-12

Date Collected: 11/19/25 12:09

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38894	VP	EET ALB	11/21/25 14:55
Total/NA	Analysis	8015M/D		1	38932	VP	EET ALB	11/24/25 12:26
Total/NA	Prep	5030C			38894	VP	EET ALB	11/21/25 14:55
Total/NA	Analysis	8021B		1	38933	VP	EET ALB	11/24/25 12:26
Total/NA	Prep	SHAKE			38975	BV	EET ALB	11/24/25 14:30
Total/NA	Analysis	8015M/D		1	38942	BV	EET ALB	11/24/25 18:43
Total/NA	Prep	300_Prep			38977	JR	EET ALB	11/24/25 14:53
Total/NA	Analysis	300.0		10	38990	EH	EET ALB	11/24/25 18:49

Client Sample ID: BH25-24 0'

Lab Sample ID: 885-38104-13

Date Collected: 11/19/25 12:17

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38894	VP	EET ALB	11/21/25 14:55
Total/NA	Analysis	8015M/D		1	38932	VP	EET ALB	11/24/25 12:50
Total/NA	Prep	5030C			38894	VP	EET ALB	11/21/25 14:55
Total/NA	Analysis	8021B		1	38933	VP	EET ALB	11/24/25 12:50
Total/NA	Prep	SHAKE			38975	BV	EET ALB	11/24/25 14:30
Total/NA	Analysis	8015M/D		1	38942	BV	EET ALB	11/24/25 18:53
Total/NA	Prep	300_Prep			38977	JR	EET ALB	11/24/25 14:53
Total/NA	Analysis	300.0		10	38990	EH	EET ALB	11/24/25 19:03

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

Client Sample ID: BH25-24 1'

Lab Sample ID: 885-38104-14

Date Collected: 11/19/25 12:30

Matrix: Solid

Date Received: 11/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			38894	VP	EET ALB	11/21/25 14:55
Total/NA	Analysis	8015M/D		1	38932	VP	EET ALB	11/24/25 13:14
Total/NA	Prep	5030C			38894	VP	EET ALB	11/21/25 14:55
Total/NA	Analysis	8021B		1	38933	VP	EET ALB	11/24/25 13:14
Total/NA	Prep	SHAKE			38975	BV	EET ALB	11/24/25 14:30
Total/NA	Analysis	8015M/D		1	38942	BV	EET ALB	11/24/25 19:04
Total/NA	Prep	300_Prep			38977	JR	EET ALB	11/24/25 14:53
Total/NA	Analysis	300.0		10	38990	EH	EET ALB	11/24/25 19:17

Laboratory References:

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



Accreditation/Certification Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38104-1

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	02-27-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics [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	02-26-26

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Chain-of-Custody Record

Client: **Vertex (bill to Mack Energy, Matt Buckles)**

Turn-Around Time:
 Standard **X 5-day rush**

Project Name:
Cornwall Federal #001H

Project #:
25A-05756

Mailing Address: **3101 Boyd Drive**
Carlsbad, New Mexico 88220

Phone #: **575.725.5001**

email or Fax#:

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

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



HALL ENVIRONMENTAL ANALYSIS LABORATORY



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 871 885-38104 coc

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11.19.25	10:42	Soil	BH25-18 0'	1-4oz jar			X	X					X			
11.19.25	11:05	Soil	BH25-18 1'	1-4oz jar			X	X					X			
11.19.25	11:16	Soil	BH25-19 0'	1-4oz jar			X	X					X			
11.19.25	11:30	Soil	BH25-19 1'	1-4oz jar			X	X					X			
11.19.25	11:44	Soil	BH25-20 0'	1-4oz jar			X	X					X			
11.19.25	11:58	Soil	BH25-20 1.5'	1-4oz jar			X	X					X			
11.19.25	12:27	Soil	BH25-21 0'	1-4oz jar			X	X					X			
11.19.25	12:44	Soil	BH25-21 1'	1-4oz jar			X	X					X			
11.19.25	12:07	Soil	BH25-22 0'	1-4oz jar			X	X					X			
11.19.25	12:20	Soil	BH25-22 1'	1-4oz jar			X	X					X			
11.19.25	11:51	Soil	BH25-23 0'	1-4oz jar			X	X					X			
11.19.25	12:09	Soil	BH25-23 1.5'	1-4oz jar			X	X					X			

Project Manager:
Sally Carttar
SCarttar@vertexresource.com

Sampler: ~~L. Pullman~~ **S. Minnix**

On Ice: Yes No *jar*

of Coolers: **1**

Cooler Temp (including CF): **2.6 + 0.2 = 2.8**

Date: 11-20-25	Time: 07:00	Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Via: <i>[Signature]</i>	Date: 11/20/25	Time: 7:00	Direct Bill to Mack Energy: ATTN: Matt Buckles CC: Sally Carttar (SCarttar@vertexresource.com), permian@vertexresource.com, Sharon Minnix (SMinnix@vertexresource.com), Katrina Taylor (Katrina.Taylor@vertexresource.com), and Lakin Pullman (LPullman@vertexresource.com) for Final Report.
Date: 11/20/25	Time: 1:00	Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Via: <i>[Signature]</i>	Date: 11/21/25	Time: 8:00	

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 noted on the analytical report.

Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-38104-1

Login Number: 38104

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/4/2025 12:00:09 PM

JOB DESCRIPTION

Cornwall Federal #001H

JOB NUMBER

885-38368-1

Eurofins Albuquerque
 4901 Hawkins NE
 Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

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

Authorization



Generated
12/4/2025 12:00:09 PM

Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)338-8812

Client: Vertex
Project/Site: Cornwall Federal #001H

Laboratory Job ID: 885-38368-1

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Definitions/Glossary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Qualifiers

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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: Cornwall Federal #001H

Job ID: 885-38368-1

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Eurofins Albuquerque

Job Narrative 885-38368-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 11/25/2025 8:00 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 0.4°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: Surrogate recovery for the following sample is outside the lower control limit: (CCV 885-39241/81). Corresponding CCV shows low surrogate. However, samples involved with CCV shows surrogate within range. Therefore data is reported.

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

HPLC/IC

Method 300_OF_28D_PREC: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-39149 and analytical batch 885-39151 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Eurofins Albuquerque



Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-25 0'

Lab Sample ID: 885-38368-1

Date Collected: 11/20/25 10:17

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/26/25 12:46	12/01/25 11:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		15 - 150			11/26/25 12:46	12/01/25 11:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 12:46	12/01/25 11:40	1
Ethylbenzene	ND		0.047	mg/Kg		11/26/25 12:46	12/01/25 11:40	1
Toluene	ND		0.047	mg/Kg		11/26/25 12:46	12/01/25 11:40	1
Xylenes, Total	ND		0.095	mg/Kg		11/26/25 12:46	12/01/25 11:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/26/25 12:46	12/01/25 11:40	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]	15		9.2	mg/Kg		12/01/25 08:37	12/01/25 11:19	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/01/25 08:37	12/01/25 11:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			12/01/25 08:37	12/01/25 11:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 10:39	11/30/25 18:40	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-25 1'

Lab Sample ID: 885-38368-2

Date Collected: 11/20/25 10:24

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/26/25 12:46	12/01/25 12:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		15 - 150			11/26/25 12:46	12/01/25 12:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/26/25 12:46	12/01/25 12:51	1
Ethylbenzene	ND		0.047	mg/Kg		11/26/25 12:46	12/01/25 12:51	1
Toluene	ND		0.047	mg/Kg		11/26/25 12:46	12/01/25 12:51	1
Xylenes, Total	ND		0.094	mg/Kg		11/26/25 12:46	12/01/25 12:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/26/25 12:46	12/01/25 12:51	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		12/01/25 08:37	12/01/25 11:31	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/01/25 08:37	12/01/25 11:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			12/01/25 08:37	12/01/25 11:31	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 10:39	11/30/25 18:51	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-26 0'

Lab Sample ID: 885-38368-3

Date Collected: 11/20/25 10:32

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/26/25 12:46	12/01/25 14:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		15 - 150			11/26/25 12:46	12/01/25 14:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 12:46	12/01/25 14:02	1
Ethylbenzene	ND		0.050	mg/Kg		11/26/25 12:46	12/01/25 14:02	1
Toluene	ND		0.050	mg/Kg		11/26/25 12:46	12/01/25 14:02	1
Xylenes, Total	ND		0.099	mg/Kg		11/26/25 12:46	12/01/25 14:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			11/26/25 12:46	12/01/25 14:02	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]	25		9.6	mg/Kg		12/01/25 08:37	12/01/25 11:42	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/01/25 08:37	12/01/25 11:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			12/01/25 08:37	12/01/25 11:42	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/30/25 10:39	11/30/25 19:24	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-26 1'

Lab Sample ID: 885-38368-4

Date Collected: 11/20/25 10:42

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/26/25 12:46	12/01/25 14:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		15 - 150			11/26/25 12:46	12/01/25 14:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 12:46	12/01/25 14:26	1
Ethylbenzene	ND		0.047	mg/Kg		11/26/25 12:46	12/01/25 14:26	1
Toluene	ND		0.047	mg/Kg		11/26/25 12:46	12/01/25 14:26	1
Xylenes, Total	ND		0.094	mg/Kg		11/26/25 12:46	12/01/25 14:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/26/25 12:46	12/01/25 14:26	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		12/01/25 08:37	12/01/25 11:53	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/01/25 08:37	12/01/25 11:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			12/01/25 08:37	12/01/25 11:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 10:39	11/30/25 19:34	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-27 0'

Lab Sample ID: 885-38368-5

Date Collected: 11/20/25 10:48

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/26/25 12:46	12/01/25 14:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		15 - 150			11/26/25 12:46	12/01/25 14:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/26/25 12:46	12/01/25 14:49	1
Ethylbenzene	ND		0.047	mg/Kg		11/26/25 12:46	12/01/25 14:49	1
Toluene	ND		0.047	mg/Kg		11/26/25 12:46	12/01/25 14:49	1
Xylenes, Total	ND		0.094	mg/Kg		11/26/25 12:46	12/01/25 14:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/26/25 12:46	12/01/25 14:49	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]	26		9.5	mg/Kg		12/01/25 08:37	12/01/25 12:05	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/01/25 08:37	12/01/25 12:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			12/01/25 08:37	12/01/25 12:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 10:39	11/30/25 19:45	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-27 1'

Lab Sample ID: 885-38368-6

Date Collected: 11/20/25 11:00

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 12:46	12/01/25 15:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		15 - 150			11/26/25 12:46	12/01/25 15:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 12:46	12/01/25 15:13	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 12:46	12/01/25 15:13	1
Toluene	ND		0.048	mg/Kg		11/26/25 12:46	12/01/25 15:13	1
Xylenes, Total	ND		0.096	mg/Kg		11/26/25 12:46	12/01/25 15:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/26/25 12:46	12/01/25 15:13	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		9.8	mg/Kg		12/01/25 08:37	12/01/25 12:16	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/01/25 08:37	12/01/25 12:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			12/01/25 08:37	12/01/25 12:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 10:39	11/30/25 19:56	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-28 0'

Lab Sample ID: 885-38368-7

Date Collected: 11/20/25 11:50

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/26/25 12:46	12/01/25 15:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		15 - 150			11/26/25 12:46	12/01/25 15:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/26/25 12:46	12/01/25 15:37	1
Ethylbenzene	ND		0.047	mg/Kg		11/26/25 12:46	12/01/25 15:37	1
Toluene	ND		0.047	mg/Kg		11/26/25 12:46	12/01/25 15:37	1
Xylenes, Total	ND		0.094	mg/Kg		11/26/25 12:46	12/01/25 15:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			11/26/25 12:46	12/01/25 15:37	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		9.9	mg/Kg		12/01/25 08:37	12/01/25 12:28	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/01/25 08:37	12/01/25 12:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			12/01/25 08:37	12/01/25 12:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 10:39	11/30/25 20:07	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-28 1'

Lab Sample ID: 885-38368-8

Date Collected: 11/20/25 12:02

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 12:46	12/01/25 16:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		15 - 150			11/26/25 12:46	12/01/25 16:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 12:46	12/01/25 16:01	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 12:46	12/01/25 16:01	1
Toluene	ND		0.049	mg/Kg		11/26/25 12:46	12/01/25 16:01	1
Xylenes, Total	ND		0.098	mg/Kg		11/26/25 12:46	12/01/25 16:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			11/26/25 12:46	12/01/25 16:01	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		9.6	mg/Kg		12/01/25 08:37	12/01/25 12:39	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/01/25 08:37	12/01/25 12:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			12/01/25 08:37	12/01/25 12:39	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 10:39	11/30/25 20:18	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-29 0'

Lab Sample ID: 885-38368-9

Date Collected: 11/20/25 14:47

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/26/25 12:46	12/01/25 16:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		15 - 150			11/26/25 12:46	12/01/25 16:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 12:46	12/01/25 16:25	1
Ethylbenzene	ND		0.050	mg/Kg		11/26/25 12:46	12/01/25 16:25	1
Toluene	ND		0.050	mg/Kg		11/26/25 12:46	12/01/25 16:25	1
Xylenes, Total	ND		0.099	mg/Kg		11/26/25 12:46	12/01/25 16:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		15 - 150			11/26/25 12:46	12/01/25 16:25	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		12/01/25 08:37	12/01/25 13:03	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/01/25 08:37	12/01/25 13:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			12/01/25 08:37	12/01/25 13:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		11/30/25 10:39	11/30/25 20:29	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-29 1'

Lab Sample ID: 885-38368-10

Date Collected: 11/20/25 14:50

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 12:46	12/01/25 16:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		15 - 150			11/26/25 12:46	12/01/25 16:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 12:46	12/01/25 16:48	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 12:46	12/01/25 16:48	1
Toluene	ND		0.048	mg/Kg		11/26/25 12:46	12/01/25 16:48	1
Xylenes, Total	ND		0.096	mg/Kg		11/26/25 12:46	12/01/25 16:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/26/25 12:46	12/01/25 16:48	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		12/01/25 08:37	12/01/25 13:14	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/01/25 08:37	12/01/25 13:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			12/01/25 08:37	12/01/25 13:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/30/25 10:39	11/30/25 20:40	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-30 0'

Lab Sample ID: 885-38368-11

Date Collected: 11/20/25 14:54

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6	mg/Kg		11/26/25 12:46	12/01/25 17:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		15 - 150			11/26/25 12:46	12/01/25 17:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/26/25 12:46	12/01/25 17:35	1
Ethylbenzene	ND		0.046	mg/Kg		11/26/25 12:46	12/01/25 17:35	1
Toluene	ND		0.046	mg/Kg		11/26/25 12:46	12/01/25 17:35	1
Xylenes, Total	ND		0.093	mg/Kg		11/26/25 12:46	12/01/25 17:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/26/25 12:46	12/01/25 17:35	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		9.5	mg/Kg		12/01/25 08:37	12/01/25 13:49	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/01/25 08:37	12/01/25 13:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			12/01/25 08:37	12/01/25 13:49	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 10:39	11/30/25 20:50	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-30 1'

Lab Sample ID: 885-38368-12

Date Collected: 11/20/25 15:05

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 12:46	12/01/25 17:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		15 - 150			11/26/25 12:46	12/01/25 17:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 12:46	12/01/25 17:59	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 12:46	12/01/25 17:59	1
Toluene	ND		0.049	mg/Kg		11/26/25 12:46	12/01/25 17:59	1
Xylenes, Total	ND		0.098	mg/Kg		11/26/25 12:46	12/01/25 17:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/26/25 12:46	12/01/25 17:59	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		12/01/25 08:37	12/01/25 14:01	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/01/25 08:37	12/01/25 14:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			12/01/25 08:37	12/01/25 14:01	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		11/30/25 10:39	11/30/25 21:01	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-31 0'

Lab Sample ID: 885-38368-13

Date Collected: 11/20/25 15:21

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 12:46	12/01/25 18:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		15 - 150			11/26/25 12:46	12/01/25 18:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 12:46	12/01/25 18:23	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 12:46	12/01/25 18:23	1
Toluene	ND		0.048	mg/Kg		11/26/25 12:46	12/01/25 18:23	1
Xylenes, Total	ND		0.096	mg/Kg		11/26/25 12:46	12/01/25 18:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			11/26/25 12:46	12/01/25 18:23	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		9.9	mg/Kg		12/01/25 08:37	12/01/25 14:12	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/01/25 08:37	12/01/25 14:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			12/01/25 08:37	12/01/25 14:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 10:39	11/30/25 21:34	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-31 1'

Lab Sample ID: 885-38368-14

Date Collected: 11/20/25 15:27

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 12:46	12/01/25 18:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		15 - 150			11/26/25 12:46	12/01/25 18:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 12:46	12/01/25 18:46	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 12:46	12/01/25 18:46	1
Toluene	ND		0.048	mg/Kg		11/26/25 12:46	12/01/25 18:46	1
Xylenes, Total	ND		0.096	mg/Kg		11/26/25 12:46	12/01/25 18:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/26/25 12:46	12/01/25 18:46	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		9.6	mg/Kg		12/01/25 08:37	12/01/25 14:24	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/01/25 08:37	12/01/25 14:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			12/01/25 08:37	12/01/25 14:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		11/30/25 10:39	11/30/25 21:45	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-32 0'

Lab Sample ID: 885-38368-15

Date Collected: 11/20/25 15:36

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 12:46	12/01/25 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		15 - 150			11/26/25 12:46	12/01/25 19:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 12:46	12/01/25 19:09	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 12:46	12/01/25 19:09	1
Toluene	ND		0.048	mg/Kg		11/26/25 12:46	12/01/25 19:09	1
Xylenes, Total	ND		0.097	mg/Kg		11/26/25 12:46	12/01/25 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			11/26/25 12:46	12/01/25 19:09	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		9.9	mg/Kg		12/01/25 08:37	12/01/25 14:35	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/01/25 08:37	12/01/25 14:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			12/01/25 08:37	12/01/25 14:35	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 10:39	11/30/25 21:55	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-32 1'

Lab Sample ID: 885-38368-16

Date Collected: 11/20/25 14:42

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 12:46	12/01/25 19:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		15 - 150			11/26/25 12:46	12/01/25 19:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 12:46	12/01/25 19:33	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 12:46	12/01/25 19:33	1
Toluene	ND		0.048	mg/Kg		11/26/25 12:46	12/01/25 19:33	1
Xylenes, Total	ND		0.097	mg/Kg		11/26/25 12:46	12/01/25 19:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/26/25 12:46	12/01/25 19:33	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		12/01/25 08:37	12/01/25 14:47	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/01/25 08:37	12/01/25 14:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			12/01/25 08:37	12/01/25 14:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 12:23	11/30/25 14:36	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-33 0'

Lab Sample ID: 885-38368-17

Date Collected: 11/21/25 08:52

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		11/26/25 12:46	12/01/25 19:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		15 - 150			11/26/25 12:46	12/01/25 19:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 12:46	12/01/25 19:56	1
Ethylbenzene	ND		0.047	mg/Kg		11/26/25 12:46	12/01/25 19:56	1
Toluene	ND		0.047	mg/Kg		11/26/25 12:46	12/01/25 19:56	1
Xylenes, Total	ND		0.094	mg/Kg		11/26/25 12:46	12/01/25 19:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/26/25 12:46	12/01/25 19:56	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		12/01/25 08:37	12/01/25 15:10	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/01/25 08:37	12/01/25 15:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			12/01/25 08:37	12/01/25 15:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		11/30/25 12:23	11/30/25 15:07	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-33 1.5'

Lab Sample ID: 885-38368-18

Date Collected: 11/21/25 09:01

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6	mg/Kg		11/26/25 12:46	12/01/25 20:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		15 - 150			11/26/25 12:46	12/01/25 20:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/26/25 12:46	12/01/25 20:20	1
Ethylbenzene	ND		0.046	mg/Kg		11/26/25 12:46	12/01/25 20:20	1
Toluene	ND		0.046	mg/Kg		11/26/25 12:46	12/01/25 20:20	1
Xylenes, Total	ND		0.093	mg/Kg		11/26/25 12:46	12/01/25 20:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/26/25 12:46	12/01/25 20:20	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		12/01/25 08:37	12/01/25 15:22	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/01/25 08:37	12/01/25 15:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			12/01/25 08:37	12/01/25 15:22	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 12:23	11/30/25 15:58	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-34 0'

Lab Sample ID: 885-38368-19

Date Collected: 11/21/25 09:08

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 12:46	12/01/25 20:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		15 - 150			11/26/25 12:46	12/01/25 20:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 12:46	12/01/25 20:43	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 12:46	12/01/25 20:43	1
Toluene	ND		0.049	mg/Kg		11/26/25 12:46	12/01/25 20:43	1
Xylenes, Total	ND		0.099	mg/Kg		11/26/25 12:46	12/01/25 20:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			11/26/25 12:46	12/01/25 20:43	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		12/01/25 08:37	12/01/25 15:33	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/01/25 08:37	12/01/25 15:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			12/01/25 08:37	12/01/25 15:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 12:23	11/30/25 16:09	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-34 1'

Lab Sample ID: 885-38368-20

Date Collected: 11/21/25 09:18

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/26/25 12:46	12/01/25 21:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		15 - 150			11/26/25 12:46	12/01/25 21:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 12:46	12/01/25 21:07	1
Ethylbenzene	ND		0.050	mg/Kg		11/26/25 12:46	12/01/25 21:07	1
Toluene	ND		0.050	mg/Kg		11/26/25 12:46	12/01/25 21:07	1
Xylenes, Total	ND		0.10	mg/Kg		11/26/25 12:46	12/01/25 21:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/26/25 12:46	12/01/25 21:07	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		12/01/25 08:37	12/01/25 15:45	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/01/25 08:37	12/01/25 15:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			12/01/25 08:37	12/01/25 15:45	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/30/25 12:23	11/30/25 16:19	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-35 0'

Lab Sample ID: 885-38368-21

Date Collected: 11/21/25 09:25

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/26/25 15:03	12/01/25 23:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		15 - 150			11/26/25 15:03	12/01/25 23:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 15:03	12/01/25 23:26	1
Ethylbenzene	ND		0.050	mg/Kg		11/26/25 15:03	12/01/25 23:26	1
Toluene	ND		0.050	mg/Kg		11/26/25 15:03	12/01/25 23:26	1
Xylenes, Total	ND		0.10	mg/Kg		11/26/25 15:03	12/01/25 23:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			11/26/25 15:03	12/01/25 23:26	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		12/01/25 10:59	12/01/25 23:31	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/01/25 10:59	12/01/25 23:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			12/01/25 10:59	12/01/25 23:31	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 12:23	11/30/25 16:29	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-35 2'

Lab Sample ID: 885-38368-22

Date Collected: 11/21/25 09:33

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 15:03	12/02/25 00:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		15 - 150			11/26/25 15:03	12/02/25 00:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 15:03	12/02/25 00:36	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 00:36	1
Toluene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 00:36	1
Xylenes, Total	ND		0.098	mg/Kg		11/26/25 15:03	12/02/25 00:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			11/26/25 15:03	12/02/25 00:36	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		12/01/25 10:59	12/01/25 23:42	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/01/25 10:59	12/01/25 23:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			12/01/25 10:59	12/01/25 23:42	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/30/25 12:23	11/30/25 16:40	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-36 0'

Lab Sample ID: 885-38368-23

Date Collected: 11/21/25 08:20

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/26/25 15:03	12/02/25 01:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		15 - 150			11/26/25 15:03	12/02/25 01:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 15:03	12/02/25 01:46	1
Ethylbenzene	ND		0.050	mg/Kg		11/26/25 15:03	12/02/25 01:46	1
Toluene	ND		0.050	mg/Kg		11/26/25 15:03	12/02/25 01:46	1
Xylenes, Total	ND		0.10	mg/Kg		11/26/25 15:03	12/02/25 01:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			11/26/25 15:03	12/02/25 01:46	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		12/01/25 14:00	12/02/25 17:46	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/01/25 14:00	12/02/25 17:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			12/01/25 14:00	12/02/25 17:46	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 12:23	11/30/25 16:50	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-36 1'

Lab Sample ID: 885-38368-24

Date Collected: 11/21/25 08:32

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 15:03	12/02/25 02:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		15 - 150			11/26/25 15:03	12/02/25 02:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:03	12/02/25 02:09	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 15:03	12/02/25 02:09	1
Toluene	ND		0.048	mg/Kg		11/26/25 15:03	12/02/25 02:09	1
Xylenes, Total	ND		0.097	mg/Kg		11/26/25 15:03	12/02/25 02:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			11/26/25 15:03	12/02/25 02:09	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		12/01/25 14:00	12/02/25 17:57	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/01/25 14:00	12/02/25 17:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			12/01/25 14:00	12/02/25 17:57	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 12:23	11/30/25 17:00	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-37 0'

Lab Sample ID: 885-38368-25

Date Collected: 11/21/25 09:50

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/26/25 15:03	12/02/25 02:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		15 - 150			11/26/25 15:03	12/02/25 02:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 15:03	12/02/25 02:32	1
Ethylbenzene	ND		0.050	mg/Kg		11/26/25 15:03	12/02/25 02:32	1
Toluene	ND		0.050	mg/Kg		11/26/25 15:03	12/02/25 02:32	1
Xylenes, Total	ND		0.10	mg/Kg		11/26/25 15:03	12/02/25 02:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			11/26/25 15:03	12/02/25 02:32	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		9.9	mg/Kg		12/01/25 14:00	12/02/25 18:09	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/01/25 14:00	12/02/25 18:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			12/01/25 14:00	12/02/25 18:09	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		11/30/25 12:23	11/30/25 17:11	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-37 1'

Lab Sample ID: 885-38368-26

Date Collected: 11/21/25 10:01

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 15:03	12/02/25 02:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		15 - 150			11/26/25 15:03	12/02/25 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		11/26/25 15:03	12/02/25 02:55	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 02:55	1
Toluene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 02:55	1
Xylenes, Total	ND		0.097	mg/Kg		11/26/25 15:03	12/02/25 02:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			11/26/25 15:03	12/02/25 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		9.7	mg/Kg		12/01/25 14:00	12/02/25 18:20	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/01/25 14:00	12/02/25 18:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			12/01/25 14:00	12/02/25 18:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		11/30/25 12:23	11/30/25 17:21	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-38 0'

Lab Sample ID: 885-38368-27

Date Collected: 11/21/25 10:13

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 15:03	12/02/25 03:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		15 - 150			11/26/25 15:03	12/02/25 03:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:03	12/02/25 03:18	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 15:03	12/02/25 03:18	1
Toluene	ND		0.048	mg/Kg		11/26/25 15:03	12/02/25 03:18	1
Xylenes, Total	ND		0.096	mg/Kg		11/26/25 15:03	12/02/25 03:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			11/26/25 15:03	12/02/25 03:18	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]	ND		9.6	mg/Kg		12/01/25 14:00	12/02/25 18:32	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/01/25 14:00	12/02/25 18:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			12/01/25 14:00	12/02/25 18:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 12:23	11/30/25 17:31	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-38 1.5'

Lab Sample ID: 885-38368-28

Date Collected: 11/21/25 10:21

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 15:03	12/02/25 03:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		15 - 150			11/26/25 15:03	12/02/25 03:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 15:03	12/02/25 03:41	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 03:41	1
Toluene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 03:41	1
Xylenes, Total	ND		0.098	mg/Kg		11/26/25 15:03	12/02/25 03:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			11/26/25 15:03	12/02/25 03:41	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		9.8	mg/Kg		12/01/25 14:00	12/02/25 18:43	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/01/25 14:00	12/02/25 18:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			12/01/25 14:00	12/02/25 18:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/30/25 12:23	11/30/25 18:02	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-39 0'

Lab Sample ID: 885-38368-29

Date Collected: 11/21/25 14:24

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 15:03	12/02/25 04:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		15 - 150			11/26/25 15:03	12/02/25 04:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:03	12/02/25 04:04	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 04:04	1
Toluene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 04:04	1
Xylenes, Total	ND		0.097	mg/Kg		11/26/25 15:03	12/02/25 04:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			11/26/25 15:03	12/02/25 04:04	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		12/01/25 14:00	12/02/25 18:55	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/01/25 14:00	12/02/25 18:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			12/01/25 14:00	12/02/25 18:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/30/25 12:23	11/30/25 18:13	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-39 1'

Lab Sample ID: 885-38368-30

Date Collected: 11/21/25 14:35

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 15:03	12/02/25 04:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/26/25 15:03	12/02/25 04:28	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:03	12/02/25 04:28	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 15:03	12/02/25 04:28	1
Toluene	ND		0.048	mg/Kg		11/26/25 15:03	12/02/25 04:28	1
Xylenes, Total	ND		0.096	mg/Kg		11/26/25 15:03	12/02/25 04:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			11/26/25 15:03	12/02/25 04:28	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		9.3	mg/Kg		12/01/25 14:00	12/02/25 19:07	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/01/25 14:00	12/02/25 19:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			12/01/25 14:00	12/02/25 19:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/30/25 12:23	11/30/25 18:23	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-40 0'

Lab Sample ID: 885-38368-31

Date Collected: 11/21/25 14:43

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 15:03	12/02/25 05:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/26/25 15:03	12/02/25 05:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:03	12/02/25 05:14	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 15:03	12/02/25 05:14	1
Toluene	ND		0.048	mg/Kg		11/26/25 15:03	12/02/25 05:14	1
Xylenes, Total	ND		0.096	mg/Kg		11/26/25 15:03	12/02/25 05:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			11/26/25 15:03	12/02/25 05:14	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		12/01/25 14:00	12/02/25 19:18	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/01/25 14:00	12/02/25 19:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			12/01/25 14:00	12/02/25 19:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 12:23	11/30/25 18:33	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-40 1'

Lab Sample ID: 885-38368-32

Date Collected: 11/21/25 14:55

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 15:03	12/02/25 05:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/26/25 15:03	12/02/25 05:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:03	12/02/25 05:37	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 15:03	12/02/25 05:37	1
Toluene	ND		0.048	mg/Kg		11/26/25 15:03	12/02/25 05:37	1
Xylenes, Total	ND		0.097	mg/Kg		11/26/25 15:03	12/02/25 05:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			11/26/25 15:03	12/02/25 05:37	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		12/01/25 14:00	12/02/25 19:30	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/01/25 14:00	12/02/25 19:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			12/01/25 14:00	12/02/25 19:30	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 12:23	11/30/25 18:44	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-41 0'

Lab Sample ID: 885-38368-33

Date Collected: 11/21/25 15:00

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/26/25 15:03	12/02/25 06:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		15 - 150			11/26/25 15:03	12/02/25 06:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 15:03	12/02/25 06:00	1
Ethylbenzene	ND		0.050	mg/Kg		11/26/25 15:03	12/02/25 06:00	1
Toluene	ND		0.050	mg/Kg		11/26/25 15:03	12/02/25 06:00	1
Xylenes, Total	ND		0.099	mg/Kg		11/26/25 15:03	12/02/25 06:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			11/26/25 15:03	12/02/25 06:00	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		9.8	mg/Kg		12/01/25 14:00	12/02/25 19:53	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/01/25 14:00	12/02/25 19:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			12/01/25 14:00	12/02/25 19:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 12:23	11/30/25 18:54	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-41 2'

Lab Sample ID: 885-38368-34

Date Collected: 11/21/25 15:10

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 15:03	12/02/25 06:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 150			11/26/25 15:03	12/02/25 06:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 15:03	12/02/25 06:23	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 06:23	1
Toluene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 06:23	1
Xylenes, Total	ND		0.098	mg/Kg		11/26/25 15:03	12/02/25 06:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			11/26/25 15:03	12/02/25 06:23	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		9.6	mg/Kg		12/01/25 14:00	12/02/25 20:04	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/01/25 14:00	12/02/25 20:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			12/01/25 14:00	12/02/25 20:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/30/25 12:23	11/30/25 19:05	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-42 0'

Lab Sample ID: 885-38368-35

Date Collected: 11/21/25 15:18

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 15:03	12/02/25 06:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		15 - 150			11/26/25 15:03	12/02/25 06:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:03	12/02/25 06:46	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 06:46	1
Toluene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 06:46	1
Xylenes, Total	ND		0.098	mg/Kg		11/26/25 15:03	12/02/25 06:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			11/26/25 15:03	12/02/25 06:46	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		9.3	mg/Kg		12/01/25 14:00	12/02/25 20:16	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/01/25 14:00	12/02/25 20:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	75		62 - 134			12/01/25 14:00	12/02/25 20:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		11/30/25 12:23	11/30/25 19:15	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-42 2'

Lab Sample ID: 885-38368-36

Date Collected: 11/21/25 15:25

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 15:03	12/02/25 07:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 150			11/26/25 15:03	12/02/25 07:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:03	12/02/25 07:09	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 15:03	12/02/25 07:09	1
Toluene	ND		0.048	mg/Kg		11/26/25 15:03	12/02/25 07:09	1
Xylenes, Total	ND		0.096	mg/Kg		11/26/25 15:03	12/02/25 07:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			11/26/25 15:03	12/02/25 07:09	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		12/01/25 14:00	12/02/25 20:28	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/01/25 14:00	12/02/25 20:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			12/01/25 14:00	12/02/25 20:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49	F1	49	mg/Kg		11/30/25 12:58	11/30/25 19:25	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-43 0'

Lab Sample ID: 885-38368-37

Date Collected: 11/22/25 10:42

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 15:03	12/02/25 07:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/26/25 15:03	12/02/25 07:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:03	12/02/25 07:32	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 15:03	12/02/25 07:32	1
Toluene	ND		0.048	mg/Kg		11/26/25 15:03	12/02/25 07:32	1
Xylenes, Total	ND		0.096	mg/Kg		11/26/25 15:03	12/02/25 07:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			11/26/25 15:03	12/02/25 07:32	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		12/01/25 14:00	12/02/25 20:39	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/01/25 14:00	12/02/25 20:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			12/01/25 14:00	12/02/25 20:39	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75		50	mg/Kg		11/30/25 12:58	11/30/25 20:17	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-43 1.5'

Lab Sample ID: 885-38368-38

Date Collected: 11/22/25 10:46

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 15:03	12/02/25 07:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 150			11/26/25 15:03	12/02/25 07:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:03	12/02/25 07:55	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 07:55	1
Toluene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 07:55	1
Xylenes, Total	ND		0.097	mg/Kg		11/26/25 15:03	12/02/25 07:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			11/26/25 15:03	12/02/25 07:55	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		9.9	mg/Kg		12/01/25 14:00	12/02/25 20:51	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/01/25 14:00	12/02/25 20:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			12/01/25 14:00	12/02/25 20:51	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/30/25 12:58	11/30/25 20:48	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-44 0'

Lab Sample ID: 885-38368-39

Date Collected: 11/22/25 10:48

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 15:03	12/02/25 08:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/26/25 15:03	12/02/25 08:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:03	12/02/25 08:18	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 08:18	1
Toluene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 08:18	1
Xylenes, Total	ND		0.098	mg/Kg		11/26/25 15:03	12/02/25 08:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			11/26/25 15:03	12/02/25 08:18	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]	ND		9.6	mg/Kg		12/01/25 14:00	12/02/25 21:03	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/01/25 14:00	12/02/25 21:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			12/01/25 14:00	12/02/25 21:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		50	mg/Kg		11/30/25 12:58	11/30/25 20:58	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-44 1'

Lab Sample ID: 885-38368-40

Date Collected: 11/22/25 10:57

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 15:03	12/02/25 08:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		15 - 150			11/26/25 15:03	12/02/25 08:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:03	12/02/25 08:42	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 08:42	1
Toluene	ND		0.049	mg/Kg		11/26/25 15:03	12/02/25 08:42	1
Xylenes, Total	ND		0.098	mg/Kg		11/26/25 15:03	12/02/25 08:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			11/26/25 15:03	12/02/25 08:42	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		12/01/25 14:00	12/02/25 21:14	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/01/25 14:00	12/02/25 21:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			12/01/25 14:00	12/02/25 21:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		50	mg/Kg		11/30/25 12:58	11/30/25 21:09	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-45 0'

Lab Sample ID: 885-38368-41

Date Collected: 11/22/25 12:42

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 15:52	11/30/25 14:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		15 - 150			11/26/25 15:52	11/30/25 14:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:52	11/30/25 14:02	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 15:52	11/30/25 14:02	1
Toluene	ND		0.049	mg/Kg		11/26/25 15:52	11/30/25 14:02	1
Xylenes, Total	ND		0.097	mg/Kg		11/26/25 15:52	11/30/25 14:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			11/26/25 15:52	11/30/25 14:02	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		9.2	mg/Kg		12/01/25 14:00	12/02/25 21:26	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/01/25 14:00	12/02/25 21:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			12/01/25 14:00	12/02/25 21:26	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/30/25 12:58	11/30/25 21:19	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-45 1'

Lab Sample ID: 885-38368-42

Date Collected: 11/22/25 12:53

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 15:52	11/30/25 15:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		15 - 150			11/26/25 15:52	11/30/25 15:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:52	11/30/25 15:12	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 15:52	11/30/25 15:12	1
Toluene	ND		0.049	mg/Kg		11/26/25 15:52	11/30/25 15:12	1
Xylenes, Total	ND		0.098	mg/Kg		11/26/25 15:52	11/30/25 15:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/26/25 15:52	11/30/25 15:12	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		9.8	mg/Kg		12/01/25 14:00	12/02/25 21:37	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/01/25 14:00	12/02/25 21:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			12/01/25 14:00	12/02/25 21:37	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		51	mg/Kg		11/30/25 12:58	11/30/25 21:29	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-46 0'

Lab Sample ID: 885-38368-43

Date Collected: 11/22/25 12:32

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 15:52	11/30/25 16:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		15 - 150			11/26/25 15:52	11/30/25 16:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 15:52	11/30/25 16:24	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 15:52	11/30/25 16:24	1
Toluene	ND		0.049	mg/Kg		11/26/25 15:52	11/30/25 16:24	1
Xylenes, Total	ND		0.099	mg/Kg		11/26/25 15:52	11/30/25 16:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/26/25 15:52	11/30/25 16:24	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		9.9	mg/Kg		12/02/25 11:09	12/02/25 22:47	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/02/25 11:09	12/02/25 22:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			12/02/25 11:09	12/02/25 22:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 12:58	11/30/25 22:00	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-46 1.5'

Lab Sample ID: 885-38368-44

Date Collected: 11/22/25 12:38

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 15:52	11/30/25 16:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		15 - 150			11/26/25 15:52	11/30/25 16:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:52	11/30/25 16:47	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 15:52	11/30/25 16:47	1
Toluene	ND		0.048	mg/Kg		11/26/25 15:52	11/30/25 16:47	1
Xylenes, Total	ND		0.097	mg/Kg		11/26/25 15:52	11/30/25 16:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/26/25 15:52	11/30/25 16:47	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		12/02/25 11:09	12/02/25 23:22	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/02/25 11:09	12/02/25 23:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	64		62 - 134			12/02/25 11:09	12/02/25 23:22	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 12:58	11/30/25 22:11	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-47 0'

Lab Sample ID: 885-38368-45

Date Collected: 11/22/25 12:08

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/26/25 15:52	11/30/25 17:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		15 - 150			11/26/25 15:52	11/30/25 17:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 15:52	11/30/25 17:11	1
Ethylbenzene	ND		0.050	mg/Kg		11/26/25 15:52	11/30/25 17:11	1
Toluene	ND		0.050	mg/Kg		11/26/25 15:52	11/30/25 17:11	1
Xylenes, Total	ND		0.099	mg/Kg		11/26/25 15:52	11/30/25 17:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			11/26/25 15:52	11/30/25 17:11	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		9.4	mg/Kg		12/02/25 11:09	12/02/25 23:33	1
Motor Oil Range Organics [C28-C40]	89		47	mg/Kg		12/02/25 11:09	12/02/25 23:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			12/02/25 11:09	12/02/25 23:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60		50	mg/Kg		11/30/25 12:58	11/30/25 22:21	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-47 1'

Lab Sample ID: 885-38368-46

Date Collected: 11/22/25 12:15

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 15:52	11/30/25 17:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		15 - 150			11/26/25 15:52	11/30/25 17:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 15:52	11/30/25 17:35	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 15:52	11/30/25 17:35	1
Toluene	ND		0.049	mg/Kg		11/26/25 15:52	11/30/25 17:35	1
Xylenes, Total	ND		0.098	mg/Kg		11/26/25 15:52	11/30/25 17:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 150			11/26/25 15:52	11/30/25 17:35	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		9.8	mg/Kg		12/02/25 11:09	12/03/25 10:56	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/02/25 11:09	12/03/25 10:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			12/02/25 11:09	12/03/25 10:56	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 12:58	11/30/25 22:31	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-48 0'

Lab Sample ID: 885-38368-47

Date Collected: 11/22/25 11:55

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 15:52	11/30/25 17:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		15 - 150			11/26/25 15:52	11/30/25 17:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:52	11/30/25 17:58	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 15:52	11/30/25 17:58	1
Toluene	ND		0.048	mg/Kg		11/26/25 15:52	11/30/25 17:58	1
Xylenes, Total	ND		0.096	mg/Kg		11/26/25 15:52	11/30/25 17:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			11/26/25 15:52	11/30/25 17:58	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]	10		9.9	mg/Kg		12/02/25 11:09	12/02/25 23:56	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/02/25 11:09	12/02/25 23:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			12/02/25 11:09	12/02/25 23:56	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/30/25 12:58	11/30/25 22:42	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-48 1'

Lab Sample ID: 885-38368-48

Date Collected: 11/22/25 12:04

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/26/25 15:52	11/30/25 18:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		15 - 150			11/26/25 15:52	11/30/25 18:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 15:52	11/30/25 18:22	1
Ethylbenzene	ND		0.050	mg/Kg		11/26/25 15:52	11/30/25 18:22	1
Toluene	ND		0.050	mg/Kg		11/26/25 15:52	11/30/25 18:22	1
Xylenes, Total	ND		0.099	mg/Kg		11/26/25 15:52	11/30/25 18:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/26/25 15:52	11/30/25 18:22	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		12/02/25 11:09	12/03/25 00:08	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		12/02/25 11:09	12/03/25 00:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			12/02/25 11:09	12/03/25 00:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 12:58	11/30/25 22:52	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-49 0'

Lab Sample ID: 885-38368-49

Date Collected: 11/22/25 12:18

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 15:52	11/30/25 18:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		15 - 150			11/26/25 15:52	11/30/25 18:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:52	11/30/25 18:45	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 15:52	11/30/25 18:45	1
Toluene	ND		0.049	mg/Kg		11/26/25 15:52	11/30/25 18:45	1
Xylenes, Total	ND		0.097	mg/Kg		11/26/25 15:52	11/30/25 18:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			11/26/25 15:52	11/30/25 18:45	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]	74		9.3	mg/Kg		12/02/25 11:09	12/03/25 00:20	1
Motor Oil Range Organics [C28-C40]	98		46	mg/Kg		12/02/25 11:09	12/03/25 00:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			12/02/25 11:09	12/03/25 00:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63		49	mg/Kg		11/30/25 12:58	11/30/25 23:02	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-49 1'

Lab Sample ID: 885-38368-50

Date Collected: 11/22/25 12:25

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 15:52	11/30/25 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		15 - 150			11/26/25 15:52	11/30/25 19:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:52	11/30/25 19:09	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 15:52	11/30/25 19:09	1
Toluene	ND		0.048	mg/Kg		11/26/25 15:52	11/30/25 19:09	1
Xylenes, Total	ND		0.097	mg/Kg		11/26/25 15:52	11/30/25 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/26/25 15:52	11/30/25 19:09	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		12/02/25 11:09	12/03/25 11:20	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/02/25 11:09	12/03/25 11:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			12/02/25 11:09	12/03/25 11:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 12:58	11/30/25 23:13	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-50 0'

Lab Sample ID: 885-38368-51

Date Collected: 11/22/25 11:44

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/26/25 15:52	11/30/25 19:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		15 - 150			11/26/25 15:52	11/30/25 19:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 15:52	11/30/25 19:56	1
Ethylbenzene	ND		0.050	mg/Kg		11/26/25 15:52	11/30/25 19:56	1
Toluene	ND		0.050	mg/Kg		11/26/25 15:52	11/30/25 19:56	1
Xylenes, Total	ND		0.099	mg/Kg		11/26/25 15:52	11/30/25 19:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			11/26/25 15:52	11/30/25 19:56	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		12/02/25 11:09	12/03/25 11:43	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/02/25 11:09	12/03/25 11:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	69		62 - 134			12/02/25 11:09	12/03/25 11:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		11/30/25 12:58	11/30/25 23:23	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-50 1'

Lab Sample ID: 885-38368-52

Date Collected: 11/22/25 11:51

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 15:52	11/30/25 20:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		15 - 150			11/26/25 15:52	11/30/25 20:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:52	11/30/25 20:20	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 15:52	11/30/25 20:20	1
Toluene	ND		0.048	mg/Kg		11/26/25 15:52	11/30/25 20:20	1
Xylenes, Total	ND		0.096	mg/Kg		11/26/25 15:52	11/30/25 20:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/26/25 15:52	11/30/25 20:20	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		12/02/25 11:09	12/03/25 12:06	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/02/25 11:09	12/03/25 12:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	73		62 - 134			12/02/25 11:09	12/03/25 12:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/30/25 12:58	11/30/25 23:33	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-51 0'

Lab Sample ID: 885-38368-53

Date Collected: 11/22/25 11:31

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/26/25 15:52	11/30/25 20:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		15 - 150			11/26/25 15:52	11/30/25 20:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 15:52	11/30/25 20:43	1
Ethylbenzene	ND		0.050	mg/Kg		11/26/25 15:52	11/30/25 20:43	1
Toluene	ND		0.050	mg/Kg		11/26/25 15:52	11/30/25 20:43	1
Xylenes, Total	ND		0.099	mg/Kg		11/26/25 15:52	11/30/25 20:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			11/26/25 15:52	11/30/25 20:43	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]	9.7		9.7	mg/Kg		12/02/25 11:09	12/03/25 01:18	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/02/25 11:09	12/03/25 01:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			12/02/25 11:09	12/03/25 01:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		11/30/25 12:58	12/01/25 00:04	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-51 1'

Lab Sample ID: 885-38368-54

Date Collected: 11/22/25 11:40

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		11/26/25 15:52	11/30/25 21:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		15 - 150			11/26/25 15:52	11/30/25 21:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/26/25 15:52	11/30/25 21:07	1
Ethylbenzene	ND		0.048	mg/Kg		11/26/25 15:52	11/30/25 21:07	1
Toluene	ND		0.048	mg/Kg		11/26/25 15:52	11/30/25 21:07	1
Xylenes, Total	ND		0.096	mg/Kg		11/26/25 15:52	11/30/25 21:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			11/26/25 15:52	11/30/25 21:07	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		12/02/25 11:09	12/03/25 12:29	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/02/25 11:09	12/03/25 12:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	69		62 - 134			12/02/25 11:09	12/03/25 12:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/30/25 12:58	12/01/25 00:15	10

QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

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

Lab Sample ID: MB 885-39113/1-A
Matrix: Solid
Analysis Batch: 39155

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39113

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/26/25 12:46	12/01/25 11:16	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		15 - 150			11/26/25 12:46	12/01/25 11:16	1

Lab Sample ID: LCS 885-39113/2-A
Matrix: Solid
Analysis Batch: 39155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39113

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	26.4		mg/Kg		106	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	222		15 - 150				

Lab Sample ID: 885-38368-1 MS
Matrix: Solid
Analysis Batch: 39155

Client Sample ID: BH25-25 0'
Prep Type: Total/NA
Prep Batch: 39113

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	ND		23.5	24.3		mg/Kg		103	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	222		15 - 150						

Lab Sample ID: 885-38368-1 MSD
Matrix: Solid
Analysis Batch: 39155

Client Sample ID: BH25-25 0'
Prep Type: Total/NA
Prep Batch: 39113

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		23.5	24.3		mg/Kg		103	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	222		15 - 150								

Lab Sample ID: MB 885-39123/1-A
Matrix: Solid
Analysis Batch: 39173

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39123

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/26/25 15:02	12/01/25 23:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		15 - 150			11/26/25 15:02	12/01/25 23:03	1

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QC Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

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

Lab Sample ID: LCS 885-39123/2-A
Matrix: Solid
Analysis Batch: 39173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39123

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	24.6		mg/Kg		99	70 - 130
Surrogate		LCS %Recovery	LCS Qualifier				Limits
4-Bromofluorobenzene (Surr)		218					15 - 150

Lab Sample ID: 885-38368-21 MS
Matrix: Solid
Analysis Batch: 39173

Client Sample ID: BH25-35 0'
Prep Type: Total/NA
Prep Batch: 39123

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	ND		24.4	24.6		mg/Kg		101	70 - 130
Surrogate		MS %Recovery	MS Qualifier						Limits
4-Bromofluorobenzene (Surr)		218							15 - 150

Lab Sample ID: 885-38368-21 MSD
Matrix: Solid
Analysis Batch: 39173

Client Sample ID: BH25-35 0'
Prep Type: Total/NA
Prep Batch: 39123

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics [C6 - C10]	ND		24.5	25.0		mg/Kg		102	70 - 130	2	20
Surrogate		MSD %Recovery	MSD Qualifier						Limits		
4-Bromofluorobenzene (Surr)		219							15 - 150		

Lab Sample ID: MB 885-39127/1-A
Matrix: Solid
Analysis Batch: 39142

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39127

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/26/25 15:52	11/30/25 13:38	1
Surrogate		MB %Recovery	MB Qualifier			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		118				11/26/25 15:52	11/30/25 13:38	1

Lab Sample ID: LCS 885-39127/2-A
Matrix: Solid
Analysis Batch: 39142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39127

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	24.6		mg/Kg		98	70 - 130
Surrogate		LCS %Recovery	LCS Qualifier				Limits
4-Bromofluorobenzene (Surr)		227					15 - 150

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QC Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

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

Lab Sample ID: 885-38368-41 MS
 Matrix: Solid
 Analysis Batch: 39142

Client Sample ID: BH25-45 0'
 Prep Type: Total/NA
 Prep Batch: 39127

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	ND		24.5	24.7		mg/Kg		101	70 - 130
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	229		15 - 150						

Lab Sample ID: 885-38368-41 MSD
 Matrix: Solid
 Analysis Batch: 39142

Client Sample ID: BH25-45 0'
 Prep Type: Total/NA
 Prep Batch: 39127

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		24.4	24.5		mg/Kg		101	70 - 130	1	20
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	229		15 - 150								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-39113/1-A
 Matrix: Solid
 Analysis Batch: 39156

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 39113

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 12:46	12/01/25 11:16	1
Ethylbenzene	ND		0.050	mg/Kg		11/26/25 12:46	12/01/25 11:16	1
Toluene	ND		0.050	mg/Kg		11/26/25 12:46	12/01/25 11:16	1
Xylenes, Total	ND		0.10	mg/Kg		11/26/25 12:46	12/01/25 11:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			11/26/25 12:46	12/01/25 11:16	1

Lab Sample ID: LCS 885-39113/3-A
 Matrix: Solid
 Analysis Batch: 39156

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 39113

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.856		mg/Kg		86	70 - 130
Ethylbenzene	1.00	0.866		mg/Kg		87	70 - 130
m,p-Xylene	2.00	1.71		mg/Kg		86	70 - 130
o-Xylene	1.00	0.842		mg/Kg		84	70 - 130
Toluene	1.00	0.883		mg/Kg		88	70 - 130
Xylenes, Total	3.00	2.55		mg/Kg		85	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	106		15 - 150				

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

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

Lab Sample ID: 885-38368-2 MS
Matrix: Solid
Analysis Batch: 39156

Client Sample ID: BH25-25 1'
Prep Type: Total/NA
Prep Batch: 39113

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Benzene	ND		0.931	0.791		mg/Kg		85	70 - 130
Ethylbenzene	ND		0.931	0.799		mg/Kg		86	70 - 130
m,p-Xylene	ND		1.86	1.63		mg/Kg		88	70 - 130
o-Xylene	ND		0.931	0.795		mg/Kg		85	70 - 130
Toluene	ND		0.931	0.812		mg/Kg		87	70 - 130
Xylenes, Total	ND		2.79	2.43		mg/Kg		86	70 - 130
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	109		15 - 150						

Lab Sample ID: 885-38368-2 MSD
Matrix: Solid
Analysis Batch: 39156

Client Sample ID: BH25-25 1'
Prep Type: Total/NA
Prep Batch: 39113

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	
	Result	Qualifier	Added	Result	Qualifier					RPD	Limit
Benzene	ND		0.946	0.817		mg/Kg		86	70 - 130	3	20
Ethylbenzene	ND		0.946	0.845		mg/Kg		89	70 - 130	6	20
m,p-Xylene	ND		1.89	1.66		mg/Kg		88	70 - 130	2	20
o-Xylene	ND		0.946	0.828		mg/Kg		88	70 - 130	4	20
Toluene	ND		0.946	0.841		mg/Kg		89	70 - 130	3	20
Xylenes, Total	ND		2.84	2.49		mg/Kg		87	70 - 130	3	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	112		15 - 150								

Lab Sample ID: MB 885-39123/1-A
Matrix: Solid
Analysis Batch: 39174

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39123

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		11/26/25 15:02	12/01/25 23:03	1
Ethylbenzene	ND		0.050	mg/Kg		11/26/25 15:02	12/01/25 23:03	1
Toluene	ND		0.050	mg/Kg		11/26/25 15:02	12/01/25 23:03	1
Xylenes, Total	ND		0.10	mg/Kg		11/26/25 15:02	12/01/25 23:03	1
MB MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	103		15 - 150	11/26/25 15:02	12/01/25 23:03	1		

Lab Sample ID: LCS 885-39123/3-A
Matrix: Solid
Analysis Batch: 39174

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39123

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	1.00	0.859		mg/Kg		86	70 - 130
Ethylbenzene	1.00	0.859		mg/Kg		86	70 - 130
m,p-Xylene	2.00	1.73		mg/Kg		87	70 - 130
o-Xylene	1.00	0.861		mg/Kg		86	70 - 130
Toluene	1.00	0.885		mg/Kg		89	70 - 130

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

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

Lab Sample ID: LCS 885-39123/3-A
Matrix: Solid
Analysis Batch: 39174

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39123

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	3.00	2.59		mg/Kg		86	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		15 - 150

Lab Sample ID: 885-38368-22 MS
Matrix: Solid
Analysis Batch: 39174

Client Sample ID: BH25-35 2'
Prep Type: Total/NA
Prep Batch: 39123

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.974	0.829		mg/Kg		85	70 - 130
Ethylbenzene	ND		0.974	0.834		mg/Kg		86	70 - 130
m,p-Xylene	ND		1.95	1.64		mg/Kg		84	70 - 130
o-Xylene	ND		0.974	0.815		mg/Kg		84	70 - 130
Toluene	ND		0.974	0.849		mg/Kg		87	70 - 130
Xylenes, Total	ND		2.92	2.46		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		15 - 150

Lab Sample ID: 885-38368-22 MSD
Matrix: Solid
Analysis Batch: 39174

Client Sample ID: BH25-35 2'
Prep Type: Total/NA
Prep Batch: 39123

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.978	0.832		mg/Kg		85	70 - 130	0	20
Ethylbenzene	ND		0.978	0.841		mg/Kg		86	70 - 130	1	20
m,p-Xylene	ND		1.96	1.69		mg/Kg		86	70 - 130	2	20
o-Xylene	ND		0.978	0.817		mg/Kg		83	70 - 130	0	20
Toluene	ND		0.978	0.849		mg/Kg		87	70 - 130	0	20
Xylenes, Total	ND		2.94	2.50		mg/Kg		84	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		15 - 150

Lab Sample ID: MB 885-39127/1-A
Matrix: Solid
Analysis Batch: 39143

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39127

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 15:52	11/30/25 13:38	1
Ethylbenzene	ND		0.050	mg/Kg		11/26/25 15:52	11/30/25 13:38	1
Toluene	ND		0.050	mg/Kg		11/26/25 15:52	11/30/25 13:38	1
Xylenes, Total	ND		0.10	mg/Kg		11/26/25 15:52	11/30/25 13:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150	11/26/25 15:52	11/30/25 13:38	1

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

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

Lab Sample ID: LCS 885-39127/3-A
Matrix: Solid
Analysis Batch: 39143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39127

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	1.00	0.868		mg/Kg		87	70 - 130		
Ethylbenzene	1.00	0.869		mg/Kg		87	70 - 130		
m,p-Xylene	2.00	1.72		mg/Kg		86	70 - 130		
o-Xylene	1.00	0.850		mg/Kg		85	70 - 130		
Toluene	1.00	0.882		mg/Kg		88	70 - 130		
Xylenes, Total	3.00	2.57		mg/Kg		86	70 - 130		
		LCS	LCS						
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	106		15 - 150						

Lab Sample ID: 885-38368-42 MS
Matrix: Solid
Analysis Batch: 39143

Client Sample ID: BH25-45 1'
Prep Type: Total/NA
Prep Batch: 39127

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	ND		0.977	0.822		mg/Kg		84	70 - 130	
Ethylbenzene	ND		0.977	0.841		mg/Kg		86	70 - 130	
m,p-Xylene	ND		1.95	1.68		mg/Kg		86	70 - 130	
o-Xylene	ND		0.977	0.841		mg/Kg		86	70 - 130	
Toluene	ND		0.977	0.835		mg/Kg		86	70 - 130	
Xylenes, Total	ND		2.93	2.52		mg/Kg		85	70 - 130	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	107		15 - 150							

Lab Sample ID: 885-38368-42 MSD
Matrix: Solid
Analysis Batch: 39143

Client Sample ID: BH25-45 1'
Prep Type: Total/NA
Prep Batch: 39127

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	
											RPD	Limit
Benzene	ND		0.974	0.834		mg/Kg		86	70 - 130	1	20	
Ethylbenzene	ND		0.974	0.856		mg/Kg		88	70 - 130	2	20	
m,p-Xylene	ND		1.95	1.68		mg/Kg		86	70 - 130	0	20	
o-Xylene	ND		0.974	0.836		mg/Kg		86	70 - 130	1	20	
Toluene	ND		0.974	0.861		mg/Kg		88	70 - 130	3	20	
Xylenes, Total	ND		2.92	2.51		mg/Kg		85	70 - 130	0	20	
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	108		15 - 150									

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

Lab Sample ID: MB 885-39162/1-A
Matrix: Solid
Analysis Batch: 39158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39162

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

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

Lab Sample ID: MB 885-39162/1-A
Matrix: Solid
Analysis Batch: 39158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39162

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/01/25 08:37	12/01/25 10:56	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			12/01/25 08:37	12/01/25 10:56	1

Lab Sample ID: LCS 885-39162/2-A
Matrix: Solid
Analysis Batch: 39158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39162

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	46.3		mg/Kg		93	51 - 148
Surrogate	%Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	102		62 - 134				

Lab Sample ID: 885-38368-10 MS
Matrix: Solid
Analysis Batch: 39158

Client Sample ID: BH25-29 1'
Prep Type: Total/NA
Prep Batch: 39162

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		49.7	42.6		mg/Kg		86	44 - 136
Surrogate	%Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	104		62 - 134						

Lab Sample ID: 885-38368-10 MSD
Matrix: Solid
Analysis Batch: 39158

Client Sample ID: BH25-29 1'
Prep Type: Total/NA
Prep Batch: 39162

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	41.3		mg/Kg		84	44 - 136	3	32
Surrogate	%Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	103		62 - 134								

Lab Sample ID: MB 885-39178/1-A
Matrix: Solid
Analysis Batch: 39160

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39178

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/01/25 10:59	12/01/25 19:35	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/01/25 10:59	12/01/25 19:35	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			12/01/25 10:59	12/01/25 19:35	1

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QC Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

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

Lab Sample ID: LCS 885-39178/2-A
Matrix: Solid
Analysis Batch: 39160

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39178

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	41.5		mg/Kg		83	51 - 148

Surrogate	%Recovery	LCS Qualifier	LCS Limits
Di-n-octyl phthalate (Surr)	86		62 - 134

Lab Sample ID: MB 885-39202/1-A
Matrix: Solid
Analysis Batch: 39241

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39202

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/01/25 14:00	12/02/25 17:22	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/01/25 14:00	12/02/25 17:22	1

Surrogate	%Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134	12/01/25 14:00	12/02/25 17:22	1

Lab Sample ID: LCS 885-39202/2-A
Matrix: Solid
Analysis Batch: 39241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39202

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	44.5		mg/Kg		89	51 - 148

Surrogate	%Recovery	LCS Qualifier	LCS Limits
Di-n-octyl phthalate (Surr)	86		62 - 134

Lab Sample ID: 885-38368-42 MS
Matrix: Solid
Analysis Batch: 39241

Client Sample ID: BH25-45 1'
Prep Type: Total/NA
Prep Batch: 39202

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		48.7	43.9		mg/Kg		90	44 - 136

Surrogate	%Recovery	MS Qualifier	MS Limits
Di-n-octyl phthalate (Surr)	82		62 - 134

Lab Sample ID: 885-38368-42 MSD
Matrix: Solid
Analysis Batch: 39241

Client Sample ID: BH25-45 1'
Prep Type: Total/NA
Prep Batch: 39202

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		47.7	42.4		mg/Kg		89	44 - 136	3	32

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QC Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

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

Lab Sample ID: 885-38368-42 MSD
Matrix: Solid
Analysis Batch: 39241

Client Sample ID: BH25-45 1'
Prep Type: Total/NA
Prep Batch: 39202

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	83		62 - 134

Lab Sample ID: MB 885-39257/1-A
Matrix: Solid
Analysis Batch: 39241

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39257

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/02/25 11:09	12/02/25 22:24	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/02/25 11:09	12/02/25 22:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134	12/02/25 11:09	12/02/25 22:24	1

Lab Sample ID: LCS 885-39257/2-A
Matrix: Solid
Analysis Batch: 39241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	45.9		mg/Kg		92	51 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	89		62 - 134

Lab Sample ID: 885-38368-43 MS
Matrix: Solid
Analysis Batch: 39241

Client Sample ID: BH25-46 0'
Prep Type: Total/NA
Prep Batch: 39257

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		48.9	41.6		mg/Kg		85	44 - 136

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	85		62 - 134

Lab Sample ID: 885-38368-43 MSD
Matrix: Solid
Analysis Batch: 39241

Client Sample ID: BH25-46 0'
Prep Type: Total/NA
Prep Batch: 39257

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		49.9	35.9		mg/Kg		72	44 - 136	15	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	76		62 - 134

Eurofins Albuquerque

QC Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-39145/1-A
 Matrix: Solid
 Analysis Batch: 39146

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 39145

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		11/30/25 10:39	11/30/25 11:12	1

Lab Sample ID: LCS 885-39145/2-A
 Matrix: Solid
 Analysis Batch: 39146

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 39145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.3	49.1		mg/Kg		99	90 - 110

Lab Sample ID: MB 885-39148/1-A
 Matrix: Solid
 Analysis Batch: 39151

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 39148

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		4.9	mg/Kg		11/30/25 12:23	11/30/25 13:23	1

Lab Sample ID: LCS 885-39148/2-A
 Matrix: Solid
 Analysis Batch: 39151

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 39148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.7	48.9		mg/Kg		98	90 - 110

Lab Sample ID: 885-38368-16 MS
 Matrix: Solid
 Analysis Batch: 39151

Client Sample ID: BH25-32 1'
 Prep Type: Total/NA
 Prep Batch: 39148

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		50.8	63.5		mg/Kg		NC	50 - 150

Lab Sample ID: 885-38368-16 MSD
 Matrix: Solid
 Analysis Batch: 39151

Client Sample ID: BH25-32 1'
 Prep Type: Total/NA
 Prep Batch: 39148

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		50.3	62.5		mg/Kg		124	50 - 150	2	20

Lab Sample ID: 885-38368-17 MS
 Matrix: Solid
 Analysis Batch: 39151

Client Sample ID: BH25-33 0'
 Prep Type: Total/NA
 Prep Batch: 39148

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		50.8	55.5		mg/Kg		NC	50 - 150

Lab Sample ID: 885-38368-17 MSD
 Matrix: Solid
 Analysis Batch: 39151

Client Sample ID: BH25-33 0'
 Prep Type: Total/NA
 Prep Batch: 39148

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		50.3	55.1		mg/Kg		109	50 - 150	1	20

Eurofins Albuquerque

QC Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-39149/1-A
 Matrix: Solid
 Analysis Batch: 39151

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 39149

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		11/30/25 12:58	11/30/25 14:01	1

Lab Sample ID: LCS 885-39149/2-A
 Matrix: Solid
 Analysis Batch: 39151

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 39149

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.4		mg/Kg		99	90 - 110

Lab Sample ID: 885-38368-37 MS
 Matrix: Solid
 Analysis Batch: 39151

Client Sample ID: BH25-43 0'
 Prep Type: Total/NA
 Prep Batch: 39149

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	75		50.5	111		mg/Kg		71	50 - 150

Lab Sample ID: 885-38368-37 MSD
 Matrix: Solid
 Analysis Batch: 39151

Client Sample ID: BH25-43 0'
 Prep Type: Total/NA
 Prep Batch: 39149

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	75		50.7	114		mg/Kg		77	50 - 150	3	20

QC Association Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

GC VOA

Prep Batch: 39113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-1	BH25-25 0'	Total/NA	Solid	5030C	
885-38368-2	BH25-25 1'	Total/NA	Solid	5030C	
885-38368-3	BH25-26 0'	Total/NA	Solid	5030C	
885-38368-4	BH25-26 1'	Total/NA	Solid	5030C	
885-38368-5	BH25-27 0'	Total/NA	Solid	5030C	
885-38368-6	BH25-27 1'	Total/NA	Solid	5030C	
885-38368-7	BH25-28 0'	Total/NA	Solid	5030C	
885-38368-8	BH25-28 1'	Total/NA	Solid	5030C	
885-38368-9	BH25-29 0'	Total/NA	Solid	5030C	
885-38368-10	BH25-29 1'	Total/NA	Solid	5030C	
885-38368-11	BH25-30 0'	Total/NA	Solid	5030C	
885-38368-12	BH25-30 1'	Total/NA	Solid	5030C	
885-38368-13	BH25-31 0'	Total/NA	Solid	5030C	
885-38368-14	BH25-31 1'	Total/NA	Solid	5030C	
885-38368-15	BH25-32 0'	Total/NA	Solid	5030C	
885-38368-16	BH25-32 1'	Total/NA	Solid	5030C	
885-38368-17	BH25-33 0'	Total/NA	Solid	5030C	
885-38368-18	BH25-33 1.5'	Total/NA	Solid	5030C	
885-38368-19	BH25-34 0'	Total/NA	Solid	5030C	
885-38368-20	BH25-34 1'	Total/NA	Solid	5030C	
MB 885-39113/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-39113/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-39113/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-38368-1 MS	BH25-25 0'	Total/NA	Solid	5030C	
885-38368-1 MSD	BH25-25 0'	Total/NA	Solid	5030C	
885-38368-2 MS	BH25-25 1'	Total/NA	Solid	5030C	
885-38368-2 MSD	BH25-25 1'	Total/NA	Solid	5030C	

Prep Batch: 39123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-21	BH25-35 0'	Total/NA	Solid	5030C	
885-38368-22	BH25-35 2'	Total/NA	Solid	5030C	
885-38368-23	BH25-36 0'	Total/NA	Solid	5030C	
885-38368-24	BH25-36 1'	Total/NA	Solid	5030C	
885-38368-25	BH25-37 0'	Total/NA	Solid	5030C	
885-38368-26	BH25-37 1'	Total/NA	Solid	5030C	
885-38368-27	BH25-38 0'	Total/NA	Solid	5030C	
885-38368-28	BH25-38 1.5'	Total/NA	Solid	5030C	
885-38368-29	BH25-39 0'	Total/NA	Solid	5030C	
885-38368-30	BH25-39 1'	Total/NA	Solid	5030C	
885-38368-31	BH25-40 0'	Total/NA	Solid	5030C	
885-38368-32	BH25-40 1'	Total/NA	Solid	5030C	
885-38368-33	BH25-41 0'	Total/NA	Solid	5030C	
885-38368-34	BH25-41 2'	Total/NA	Solid	5030C	
885-38368-35	BH25-42 0'	Total/NA	Solid	5030C	
885-38368-36	BH25-42 2'	Total/NA	Solid	5030C	
885-38368-37	BH25-43 0'	Total/NA	Solid	5030C	
885-38368-38	BH25-43 1.5'	Total/NA	Solid	5030C	
885-38368-39	BH25-44 0'	Total/NA	Solid	5030C	
885-38368-40	BH25-44 1'	Total/NA	Solid	5030C	
MB 885-39123/1-A	Method Blank	Total/NA	Solid	5030C	

Eurofins Albuquerque

QC Association Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

GC VOA (Continued)

Prep Batch: 39123 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-39123/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-39123/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-38368-21 MS	BH25-35 0'	Total/NA	Solid	5030C	
885-38368-21 MSD	BH25-35 0'	Total/NA	Solid	5030C	
885-38368-22 MS	BH25-35 2'	Total/NA	Solid	5030C	
885-38368-22 MSD	BH25-35 2'	Total/NA	Solid	5030C	

Prep Batch: 39127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-41	BH25-45 0'	Total/NA	Solid	5030C	
885-38368-42	BH25-45 1'	Total/NA	Solid	5030C	
885-38368-43	BH25-46 0'	Total/NA	Solid	5030C	
885-38368-44	BH25-46 1.5'	Total/NA	Solid	5030C	
885-38368-45	BH25-47 0'	Total/NA	Solid	5030C	
885-38368-46	BH25-47 1'	Total/NA	Solid	5030C	
885-38368-47	BH25-48 0'	Total/NA	Solid	5030C	
885-38368-48	BH25-48 1'	Total/NA	Solid	5030C	
885-38368-49	BH25-49 0'	Total/NA	Solid	5030C	
885-38368-50	BH25-49 1'	Total/NA	Solid	5030C	
885-38368-51	BH25-50 0'	Total/NA	Solid	5030C	
885-38368-52	BH25-50 1'	Total/NA	Solid	5030C	
885-38368-53	BH25-51 0'	Total/NA	Solid	5030C	
885-38368-54	BH25-51 1'	Total/NA	Solid	5030C	
MB 885-39127/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-39127/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-39127/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-38368-41 MS	BH25-45 0'	Total/NA	Solid	5030C	
885-38368-41 MSD	BH25-45 0'	Total/NA	Solid	5030C	
885-38368-42 MS	BH25-45 1'	Total/NA	Solid	5030C	
885-38368-42 MSD	BH25-45 1'	Total/NA	Solid	5030C	

Analysis Batch: 39142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-41	BH25-45 0'	Total/NA	Solid	8015M/D	39127
885-38368-42	BH25-45 1'	Total/NA	Solid	8015M/D	39127
885-38368-43	BH25-46 0'	Total/NA	Solid	8015M/D	39127
885-38368-44	BH25-46 1.5'	Total/NA	Solid	8015M/D	39127
885-38368-45	BH25-47 0'	Total/NA	Solid	8015M/D	39127
885-38368-46	BH25-47 1'	Total/NA	Solid	8015M/D	39127
885-38368-47	BH25-48 0'	Total/NA	Solid	8015M/D	39127
885-38368-48	BH25-48 1'	Total/NA	Solid	8015M/D	39127
885-38368-49	BH25-49 0'	Total/NA	Solid	8015M/D	39127
885-38368-50	BH25-49 1'	Total/NA	Solid	8015M/D	39127
885-38368-51	BH25-50 0'	Total/NA	Solid	8015M/D	39127
885-38368-52	BH25-50 1'	Total/NA	Solid	8015M/D	39127
885-38368-53	BH25-51 0'	Total/NA	Solid	8015M/D	39127
885-38368-54	BH25-51 1'	Total/NA	Solid	8015M/D	39127
MB 885-39127/1-A	Method Blank	Total/NA	Solid	8015M/D	39127
LCS 885-39127/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	39127
885-38368-41 MS	BH25-45 0'	Total/NA	Solid	8015M/D	39127
885-38368-41 MSD	BH25-45 0'	Total/NA	Solid	8015M/D	39127

Eurofins Albuquerque

QC Association Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

GC VOA

Analysis Batch: 39143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-41	BH25-45 0'	Total/NA	Solid	8021B	39127
885-38368-42	BH25-45 1'	Total/NA	Solid	8021B	39127
885-38368-43	BH25-46 0'	Total/NA	Solid	8021B	39127
885-38368-44	BH25-46 1.5'	Total/NA	Solid	8021B	39127
885-38368-45	BH25-47 0'	Total/NA	Solid	8021B	39127
885-38368-46	BH25-47 1'	Total/NA	Solid	8021B	39127
885-38368-47	BH25-48 0'	Total/NA	Solid	8021B	39127
885-38368-48	BH25-48 1'	Total/NA	Solid	8021B	39127
885-38368-49	BH25-49 0'	Total/NA	Solid	8021B	39127
885-38368-50	BH25-49 1'	Total/NA	Solid	8021B	39127
885-38368-51	BH25-50 0'	Total/NA	Solid	8021B	39127
885-38368-52	BH25-50 1'	Total/NA	Solid	8021B	39127
885-38368-53	BH25-51 0'	Total/NA	Solid	8021B	39127
885-38368-54	BH25-51 1'	Total/NA	Solid	8021B	39127
MB 885-39127/1-A	Method Blank	Total/NA	Solid	8021B	39127
LCS 885-39127/3-A	Lab Control Sample	Total/NA	Solid	8021B	39127
885-38368-42 MS	BH25-45 1'	Total/NA	Solid	8021B	39127
885-38368-42 MSD	BH25-45 1'	Total/NA	Solid	8021B	39127

Analysis Batch: 39155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-1	BH25-25 0'	Total/NA	Solid	8015M/D	39113
885-38368-2	BH25-25 1'	Total/NA	Solid	8015M/D	39113
885-38368-3	BH25-26 0'	Total/NA	Solid	8015M/D	39113
885-38368-4	BH25-26 1'	Total/NA	Solid	8015M/D	39113
885-38368-5	BH25-27 0'	Total/NA	Solid	8015M/D	39113
885-38368-6	BH25-27 1'	Total/NA	Solid	8015M/D	39113
885-38368-7	BH25-28 0'	Total/NA	Solid	8015M/D	39113
885-38368-8	BH25-28 1'	Total/NA	Solid	8015M/D	39113
885-38368-9	BH25-29 0'	Total/NA	Solid	8015M/D	39113
885-38368-10	BH25-29 1'	Total/NA	Solid	8015M/D	39113
885-38368-11	BH25-30 0'	Total/NA	Solid	8015M/D	39113
885-38368-12	BH25-30 1'	Total/NA	Solid	8015M/D	39113
885-38368-13	BH25-31 0'	Total/NA	Solid	8015M/D	39113
885-38368-14	BH25-31 1'	Total/NA	Solid	8015M/D	39113
885-38368-15	BH25-32 0'	Total/NA	Solid	8015M/D	39113
885-38368-16	BH25-32 1'	Total/NA	Solid	8015M/D	39113
885-38368-17	BH25-33 0'	Total/NA	Solid	8015M/D	39113
885-38368-18	BH25-33 1.5'	Total/NA	Solid	8015M/D	39113
885-38368-19	BH25-34 0'	Total/NA	Solid	8015M/D	39113
885-38368-20	BH25-34 1'	Total/NA	Solid	8015M/D	39113
MB 885-39113/1-A	Method Blank	Total/NA	Solid	8015M/D	39113
LCS 885-39113/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	39113
885-38368-1 MS	BH25-25 0'	Total/NA	Solid	8015M/D	39113
885-38368-1 MSD	BH25-25 0'	Total/NA	Solid	8015M/D	39113

Analysis Batch: 39156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-1	BH25-25 0'	Total/NA	Solid	8021B	39113
885-38368-2	BH25-25 1'	Total/NA	Solid	8021B	39113
885-38368-3	BH25-26 0'	Total/NA	Solid	8021B	39113

Eurofins Albuquerque

QC Association Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

GC VOA (Continued)

Analysis Batch: 39156 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-4	BH25-26 1'	Total/NA	Solid	8021B	39113
885-38368-5	BH25-27 0'	Total/NA	Solid	8021B	39113
885-38368-6	BH25-27 1'	Total/NA	Solid	8021B	39113
885-38368-7	BH25-28 0'	Total/NA	Solid	8021B	39113
885-38368-8	BH25-28 1'	Total/NA	Solid	8021B	39113
885-38368-9	BH25-29 0'	Total/NA	Solid	8021B	39113
885-38368-10	BH25-29 1'	Total/NA	Solid	8021B	39113
885-38368-11	BH25-30 0'	Total/NA	Solid	8021B	39113
885-38368-12	BH25-30 1'	Total/NA	Solid	8021B	39113
885-38368-13	BH25-31 0'	Total/NA	Solid	8021B	39113
885-38368-14	BH25-31 1'	Total/NA	Solid	8021B	39113
885-38368-15	BH25-32 0'	Total/NA	Solid	8021B	39113
885-38368-16	BH25-32 1'	Total/NA	Solid	8021B	39113
885-38368-17	BH25-33 0'	Total/NA	Solid	8021B	39113
885-38368-18	BH25-33 1.5'	Total/NA	Solid	8021B	39113
885-38368-19	BH25-34 0'	Total/NA	Solid	8021B	39113
885-38368-20	BH25-34 1'	Total/NA	Solid	8021B	39113
MB 885-39113/1-A	Method Blank	Total/NA	Solid	8021B	39113
LCS 885-39113/3-A	Lab Control Sample	Total/NA	Solid	8021B	39113
885-38368-2 MS	BH25-25 1'	Total/NA	Solid	8021B	39113
885-38368-2 MSD	BH25-25 1'	Total/NA	Solid	8021B	39113

Analysis Batch: 39173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-21	BH25-35 0'	Total/NA	Solid	8015M/D	39123
885-38368-22	BH25-35 2'	Total/NA	Solid	8015M/D	39123
885-38368-23	BH25-36 0'	Total/NA	Solid	8015M/D	39123
885-38368-24	BH25-36 1'	Total/NA	Solid	8015M/D	39123
885-38368-25	BH25-37 0'	Total/NA	Solid	8015M/D	39123
885-38368-26	BH25-37 1'	Total/NA	Solid	8015M/D	39123
885-38368-27	BH25-38 0'	Total/NA	Solid	8015M/D	39123
885-38368-28	BH25-38 1.5'	Total/NA	Solid	8015M/D	39123
885-38368-29	BH25-39 0'	Total/NA	Solid	8015M/D	39123
885-38368-30	BH25-39 1'	Total/NA	Solid	8015M/D	39123
885-38368-31	BH25-40 0'	Total/NA	Solid	8015M/D	39123
885-38368-32	BH25-40 1'	Total/NA	Solid	8015M/D	39123
885-38368-33	BH25-41 0'	Total/NA	Solid	8015M/D	39123
885-38368-34	BH25-41 2'	Total/NA	Solid	8015M/D	39123
885-38368-35	BH25-42 0'	Total/NA	Solid	8015M/D	39123
885-38368-36	BH25-42 2'	Total/NA	Solid	8015M/D	39123
885-38368-37	BH25-43 0'	Total/NA	Solid	8015M/D	39123
885-38368-38	BH25-43 1.5'	Total/NA	Solid	8015M/D	39123
885-38368-39	BH25-44 0'	Total/NA	Solid	8015M/D	39123
885-38368-40	BH25-44 1'	Total/NA	Solid	8015M/D	39123
MB 885-39123/1-A	Method Blank	Total/NA	Solid	8015M/D	39123
LCS 885-39123/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	39123
885-38368-21 MS	BH25-35 0'	Total/NA	Solid	8015M/D	39123
885-38368-21 MSD	BH25-35 0'	Total/NA	Solid	8015M/D	39123

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

GC VOA

Analysis Batch: 39174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-21	BH25-35 0'	Total/NA	Solid	8021B	39123
885-38368-22	BH25-35 2'	Total/NA	Solid	8021B	39123
885-38368-23	BH25-36 0'	Total/NA	Solid	8021B	39123
885-38368-24	BH25-36 1'	Total/NA	Solid	8021B	39123
885-38368-25	BH25-37 0'	Total/NA	Solid	8021B	39123
885-38368-26	BH25-37 1'	Total/NA	Solid	8021B	39123
885-38368-27	BH25-38 0'	Total/NA	Solid	8021B	39123
885-38368-28	BH25-38 1.5'	Total/NA	Solid	8021B	39123
885-38368-29	BH25-39 0'	Total/NA	Solid	8021B	39123
885-38368-30	BH25-39 1'	Total/NA	Solid	8021B	39123
885-38368-31	BH25-40 0'	Total/NA	Solid	8021B	39123
885-38368-32	BH25-40 1'	Total/NA	Solid	8021B	39123
885-38368-33	BH25-41 0'	Total/NA	Solid	8021B	39123
885-38368-34	BH25-41 2'	Total/NA	Solid	8021B	39123
885-38368-35	BH25-42 0'	Total/NA	Solid	8021B	39123
885-38368-36	BH25-42 2'	Total/NA	Solid	8021B	39123
885-38368-37	BH25-43 0'	Total/NA	Solid	8021B	39123
885-38368-38	BH25-43 1.5'	Total/NA	Solid	8021B	39123
885-38368-39	BH25-44 0'	Total/NA	Solid	8021B	39123
885-38368-40	BH25-44 1'	Total/NA	Solid	8021B	39123
MB 885-39123/1-A	Method Blank	Total/NA	Solid	8021B	39123
LCS 885-39123/3-A	Lab Control Sample	Total/NA	Solid	8021B	39123
885-38368-22 MS	BH25-35 2'	Total/NA	Solid	8021B	39123
885-38368-22 MSD	BH25-35 2'	Total/NA	Solid	8021B	39123

GC Semi VOA

Analysis Batch: 39158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-1	BH25-25 0'	Total/NA	Solid	8015M/D	39162
885-38368-2	BH25-25 1'	Total/NA	Solid	8015M/D	39162
885-38368-3	BH25-26 0'	Total/NA	Solid	8015M/D	39162
885-38368-4	BH25-26 1'	Total/NA	Solid	8015M/D	39162
885-38368-5	BH25-27 0'	Total/NA	Solid	8015M/D	39162
885-38368-6	BH25-27 1'	Total/NA	Solid	8015M/D	39162
885-38368-7	BH25-28 0'	Total/NA	Solid	8015M/D	39162
885-38368-8	BH25-28 1'	Total/NA	Solid	8015M/D	39162
885-38368-9	BH25-29 0'	Total/NA	Solid	8015M/D	39162
885-38368-10	BH25-29 1'	Total/NA	Solid	8015M/D	39162
885-38368-11	BH25-30 0'	Total/NA	Solid	8015M/D	39162
885-38368-12	BH25-30 1'	Total/NA	Solid	8015M/D	39162
885-38368-13	BH25-31 0'	Total/NA	Solid	8015M/D	39162
885-38368-14	BH25-31 1'	Total/NA	Solid	8015M/D	39162
885-38368-15	BH25-32 0'	Total/NA	Solid	8015M/D	39162
885-38368-16	BH25-32 1'	Total/NA	Solid	8015M/D	39162
885-38368-17	BH25-33 0'	Total/NA	Solid	8015M/D	39162
885-38368-18	BH25-33 1.5'	Total/NA	Solid	8015M/D	39162
885-38368-19	BH25-34 0'	Total/NA	Solid	8015M/D	39162
885-38368-20	BH25-34 1'	Total/NA	Solid	8015M/D	39162
MB 885-39162/1-A	Method Blank	Total/NA	Solid	8015M/D	39162
LCS 885-39162/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	39162

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

GC Semi VOA (Continued)

Analysis Batch: 39158 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-10 MS	BH25-29 1'	Total/NA	Solid	8015M/D	39162
885-38368-10 MSD	BH25-29 1'	Total/NA	Solid	8015M/D	39162

Analysis Batch: 39160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-21	BH25-35 0'	Total/NA	Solid	8015M/D	39178
885-38368-22	BH25-35 2'	Total/NA	Solid	8015M/D	39178
MB 885-39178/1-A	Method Blank	Total/NA	Solid	8015M/D	39178
LCS 885-39178/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	39178

Prep Batch: 39162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-1	BH25-25 0'	Total/NA	Solid	SHAKE	
885-38368-2	BH25-25 1'	Total/NA	Solid	SHAKE	
885-38368-3	BH25-26 0'	Total/NA	Solid	SHAKE	
885-38368-4	BH25-26 1'	Total/NA	Solid	SHAKE	
885-38368-5	BH25-27 0'	Total/NA	Solid	SHAKE	
885-38368-6	BH25-27 1'	Total/NA	Solid	SHAKE	
885-38368-7	BH25-28 0'	Total/NA	Solid	SHAKE	
885-38368-8	BH25-28 1'	Total/NA	Solid	SHAKE	
885-38368-9	BH25-29 0'	Total/NA	Solid	SHAKE	
885-38368-10	BH25-29 1'	Total/NA	Solid	SHAKE	
885-38368-11	BH25-30 0'	Total/NA	Solid	SHAKE	
885-38368-12	BH25-30 1'	Total/NA	Solid	SHAKE	
885-38368-13	BH25-31 0'	Total/NA	Solid	SHAKE	
885-38368-14	BH25-31 1'	Total/NA	Solid	SHAKE	
885-38368-15	BH25-32 0'	Total/NA	Solid	SHAKE	
885-38368-16	BH25-32 1'	Total/NA	Solid	SHAKE	
885-38368-17	BH25-33 0'	Total/NA	Solid	SHAKE	
885-38368-18	BH25-33 1.5'	Total/NA	Solid	SHAKE	
885-38368-19	BH25-34 0'	Total/NA	Solid	SHAKE	
885-38368-20	BH25-34 1'	Total/NA	Solid	SHAKE	
MB 885-39162/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-39162/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-38368-10 MS	BH25-29 1'	Total/NA	Solid	SHAKE	
885-38368-10 MSD	BH25-29 1'	Total/NA	Solid	SHAKE	

Prep Batch: 39178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-21	BH25-35 0'	Total/NA	Solid	SHAKE	
885-38368-22	BH25-35 2'	Total/NA	Solid	SHAKE	
MB 885-39178/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-39178/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 39202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-23	BH25-36 0'	Total/NA	Solid	SHAKE	
885-38368-24	BH25-36 1'	Total/NA	Solid	SHAKE	
885-38368-25	BH25-37 0'	Total/NA	Solid	SHAKE	
885-38368-26	BH25-37 1'	Total/NA	Solid	SHAKE	
885-38368-27	BH25-38 0'	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

GC Semi VOA (Continued)

Prep Batch: 39202 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-28	BH25-38 1.5'	Total/NA	Solid	SHAKE	
885-38368-29	BH25-39 0'	Total/NA	Solid	SHAKE	
885-38368-30	BH25-39 1'	Total/NA	Solid	SHAKE	
885-38368-31	BH25-40 0'	Total/NA	Solid	SHAKE	
885-38368-32	BH25-40 1'	Total/NA	Solid	SHAKE	
885-38368-33	BH25-41 0'	Total/NA	Solid	SHAKE	
885-38368-34	BH25-41 2'	Total/NA	Solid	SHAKE	
885-38368-35	BH25-42 0'	Total/NA	Solid	SHAKE	
885-38368-36	BH25-42 2'	Total/NA	Solid	SHAKE	
885-38368-37	BH25-43 0'	Total/NA	Solid	SHAKE	
885-38368-38	BH25-43 1.5'	Total/NA	Solid	SHAKE	
885-38368-39	BH25-44 0'	Total/NA	Solid	SHAKE	
885-38368-40	BH25-44 1'	Total/NA	Solid	SHAKE	
885-38368-41	BH25-45 0'	Total/NA	Solid	SHAKE	
885-38368-42	BH25-45 1'	Total/NA	Solid	SHAKE	
MB 885-39202/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-39202/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-38368-42 MS	BH25-45 1'	Total/NA	Solid	SHAKE	
885-38368-42 MSD	BH25-45 1'	Total/NA	Solid	SHAKE	

Analysis Batch: 39241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-23	BH25-36 0'	Total/NA	Solid	8015M/D	39202
885-38368-24	BH25-36 1'	Total/NA	Solid	8015M/D	39202
885-38368-25	BH25-37 0'	Total/NA	Solid	8015M/D	39202
885-38368-26	BH25-37 1'	Total/NA	Solid	8015M/D	39202
885-38368-27	BH25-38 0'	Total/NA	Solid	8015M/D	39202
885-38368-28	BH25-38 1.5'	Total/NA	Solid	8015M/D	39202
885-38368-29	BH25-39 0'	Total/NA	Solid	8015M/D	39202
885-38368-30	BH25-39 1'	Total/NA	Solid	8015M/D	39202
885-38368-31	BH25-40 0'	Total/NA	Solid	8015M/D	39202
885-38368-32	BH25-40 1'	Total/NA	Solid	8015M/D	39202
885-38368-33	BH25-41 0'	Total/NA	Solid	8015M/D	39202
885-38368-34	BH25-41 2'	Total/NA	Solid	8015M/D	39202
885-38368-35	BH25-42 0'	Total/NA	Solid	8015M/D	39202
885-38368-36	BH25-42 2'	Total/NA	Solid	8015M/D	39202
885-38368-37	BH25-43 0'	Total/NA	Solid	8015M/D	39202
885-38368-38	BH25-43 1.5'	Total/NA	Solid	8015M/D	39202
885-38368-39	BH25-44 0'	Total/NA	Solid	8015M/D	39202
885-38368-40	BH25-44 1'	Total/NA	Solid	8015M/D	39202
885-38368-41	BH25-45 0'	Total/NA	Solid	8015M/D	39202
885-38368-42	BH25-45 1'	Total/NA	Solid	8015M/D	39202
885-38368-43	BH25-46 0'	Total/NA	Solid	8015M/D	39257
885-38368-44	BH25-46 1.5'	Total/NA	Solid	8015M/D	39257
885-38368-45	BH25-47 0'	Total/NA	Solid	8015M/D	39257
885-38368-47	BH25-48 0'	Total/NA	Solid	8015M/D	39257
885-38368-48	BH25-48 1'	Total/NA	Solid	8015M/D	39257
885-38368-49	BH25-49 0'	Total/NA	Solid	8015M/D	39257
885-38368-53	BH25-51 0'	Total/NA	Solid	8015M/D	39257
MB 885-39202/1-A	Method Blank	Total/NA	Solid	8015M/D	39202
MB 885-39257/1-A	Method Blank	Total/NA	Solid	8015M/D	39257

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

GC Semi VOA (Continued)

Analysis Batch: 39241 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-39202/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	39202
LCS 885-39257/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	39257
885-38368-42 MS	BH25-45 1'	Total/NA	Solid	8015M/D	39202
885-38368-42 MSD	BH25-45 1'	Total/NA	Solid	8015M/D	39202
885-38368-43 MS	BH25-46 0'	Total/NA	Solid	8015M/D	39257
885-38368-43 MSD	BH25-46 0'	Total/NA	Solid	8015M/D	39257

Prep Batch: 39257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-43	BH25-46 0'	Total/NA	Solid	SHAKE	
885-38368-44	BH25-46 1.5'	Total/NA	Solid	SHAKE	
885-38368-45	BH25-47 0'	Total/NA	Solid	SHAKE	
885-38368-46	BH25-47 1'	Total/NA	Solid	SHAKE	
885-38368-47	BH25-48 0'	Total/NA	Solid	SHAKE	
885-38368-48	BH25-48 1'	Total/NA	Solid	SHAKE	
885-38368-49	BH25-49 0'	Total/NA	Solid	SHAKE	
885-38368-50	BH25-49 1'	Total/NA	Solid	SHAKE	
885-38368-51	BH25-50 0'	Total/NA	Solid	SHAKE	
885-38368-52	BH25-50 1'	Total/NA	Solid	SHAKE	
885-38368-53	BH25-51 0'	Total/NA	Solid	SHAKE	
885-38368-54	BH25-51 1'	Total/NA	Solid	SHAKE	
MB 885-39257/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-39257/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-38368-43 MS	BH25-46 0'	Total/NA	Solid	SHAKE	
885-38368-43 MSD	BH25-46 0'	Total/NA	Solid	SHAKE	

Analysis Batch: 39308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-46	BH25-47 1'	Total/NA	Solid	8015M/D	39257
885-38368-50	BH25-49 1'	Total/NA	Solid	8015M/D	39257
885-38368-51	BH25-50 0'	Total/NA	Solid	8015M/D	39257
885-38368-52	BH25-50 1'	Total/NA	Solid	8015M/D	39257
885-38368-54	BH25-51 1'	Total/NA	Solid	8015M/D	39257

HPLC/IC

Prep Batch: 39145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-1	BH25-25 0'	Total/NA	Solid	300_Prep	
885-38368-2	BH25-25 1'	Total/NA	Solid	300_Prep	
885-38368-3	BH25-26 0'	Total/NA	Solid	300_Prep	
885-38368-4	BH25-26 1'	Total/NA	Solid	300_Prep	
885-38368-5	BH25-27 0'	Total/NA	Solid	300_Prep	
885-38368-6	BH25-27 1'	Total/NA	Solid	300_Prep	
885-38368-7	BH25-28 0'	Total/NA	Solid	300_Prep	
885-38368-8	BH25-28 1'	Total/NA	Solid	300_Prep	
885-38368-9	BH25-29 0'	Total/NA	Solid	300_Prep	
885-38368-10	BH25-29 1'	Total/NA	Solid	300_Prep	
885-38368-11	BH25-30 0'	Total/NA	Solid	300_Prep	
885-38368-12	BH25-30 1'	Total/NA	Solid	300_Prep	
885-38368-13	BH25-31 0'	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

HPLC/IC (Continued)

Prep Batch: 39145 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-14	BH25-31 1'	Total/NA	Solid	300_Prep	
885-38368-15	BH25-32 0'	Total/NA	Solid	300_Prep	
MB 885-39145/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-39145/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 39146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-1	BH25-25 0'	Total/NA	Solid	300.0	39145
885-38368-2	BH25-25 1'	Total/NA	Solid	300.0	39145
885-38368-3	BH25-26 0'	Total/NA	Solid	300.0	39145
885-38368-4	BH25-26 1'	Total/NA	Solid	300.0	39145
885-38368-5	BH25-27 0'	Total/NA	Solid	300.0	39145
885-38368-6	BH25-27 1'	Total/NA	Solid	300.0	39145
885-38368-7	BH25-28 0'	Total/NA	Solid	300.0	39145
885-38368-8	BH25-28 1'	Total/NA	Solid	300.0	39145
885-38368-9	BH25-29 0'	Total/NA	Solid	300.0	39145
885-38368-10	BH25-29 1'	Total/NA	Solid	300.0	39145
885-38368-11	BH25-30 0'	Total/NA	Solid	300.0	39145
885-38368-12	BH25-30 1'	Total/NA	Solid	300.0	39145
885-38368-13	BH25-31 0'	Total/NA	Solid	300.0	39145
885-38368-14	BH25-31 1'	Total/NA	Solid	300.0	39145
885-38368-15	BH25-32 0'	Total/NA	Solid	300.0	39145
MB 885-39145/1-A	Method Blank	Total/NA	Solid	300.0	39145
LCS 885-39145/2-A	Lab Control Sample	Total/NA	Solid	300.0	39145

Prep Batch: 39148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-16	BH25-32 1'	Total/NA	Solid	300_Prep	
885-38368-17	BH25-33 0'	Total/NA	Solid	300_Prep	
885-38368-18	BH25-33 1.5'	Total/NA	Solid	300_Prep	
885-38368-19	BH25-34 0'	Total/NA	Solid	300_Prep	
885-38368-20	BH25-34 1'	Total/NA	Solid	300_Prep	
885-38368-21	BH25-35 0'	Total/NA	Solid	300_Prep	
885-38368-22	BH25-35 2'	Total/NA	Solid	300_Prep	
885-38368-23	BH25-36 0'	Total/NA	Solid	300_Prep	
885-38368-24	BH25-36 1'	Total/NA	Solid	300_Prep	
885-38368-25	BH25-37 0'	Total/NA	Solid	300_Prep	
885-38368-26	BH25-37 1'	Total/NA	Solid	300_Prep	
885-38368-27	BH25-38 0'	Total/NA	Solid	300_Prep	
885-38368-28	BH25-38 1.5'	Total/NA	Solid	300_Prep	
885-38368-29	BH25-39 0'	Total/NA	Solid	300_Prep	
885-38368-30	BH25-39 1'	Total/NA	Solid	300_Prep	
885-38368-31	BH25-40 0'	Total/NA	Solid	300_Prep	
885-38368-32	BH25-40 1'	Total/NA	Solid	300_Prep	
885-38368-33	BH25-41 0'	Total/NA	Solid	300_Prep	
885-38368-34	BH25-41 2'	Total/NA	Solid	300_Prep	
885-38368-35	BH25-42 0'	Total/NA	Solid	300_Prep	
MB 885-39148/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-39148/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-38368-16 MS	BH25-32 1'	Total/NA	Solid	300_Prep	
885-38368-16 MSD	BH25-32 1'	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

HPLC/IC (Continued)

Prep Batch: 39148 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-17 MS	BH25-33 0'	Total/NA	Solid	300_Prep	
885-38368-17 MSD	BH25-33 0'	Total/NA	Solid	300_Prep	

Prep Batch: 39149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-36	BH25-42 2'	Total/NA	Solid	300_Prep	
885-38368-37	BH25-43 0'	Total/NA	Solid	300_Prep	
885-38368-38	BH25-43 1.5'	Total/NA	Solid	300_Prep	
885-38368-39	BH25-44 0'	Total/NA	Solid	300_Prep	
885-38368-40	BH25-44 1'	Total/NA	Solid	300_Prep	
885-38368-41	BH25-45 0'	Total/NA	Solid	300_Prep	
885-38368-42	BH25-45 1'	Total/NA	Solid	300_Prep	
885-38368-43	BH25-46 0'	Total/NA	Solid	300_Prep	
885-38368-44	BH25-46 1.5'	Total/NA	Solid	300_Prep	
885-38368-45	BH25-47 0'	Total/NA	Solid	300_Prep	
885-38368-46	BH25-47 1'	Total/NA	Solid	300_Prep	
885-38368-47	BH25-48 0'	Total/NA	Solid	300_Prep	
885-38368-48	BH25-48 1'	Total/NA	Solid	300_Prep	
885-38368-49	BH25-49 0'	Total/NA	Solid	300_Prep	
885-38368-50	BH25-49 1'	Total/NA	Solid	300_Prep	
885-38368-51	BH25-50 0'	Total/NA	Solid	300_Prep	
885-38368-52	BH25-50 1'	Total/NA	Solid	300_Prep	
885-38368-53	BH25-51 0'	Total/NA	Solid	300_Prep	
885-38368-54	BH25-51 1'	Total/NA	Solid	300_Prep	
MB 885-39149/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-39149/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-38368-37 MS	BH25-43 0'	Total/NA	Solid	300_Prep	
885-38368-37 MSD	BH25-43 0'	Total/NA	Solid	300_Prep	

Analysis Batch: 39151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-16	BH25-32 1'	Total/NA	Solid	300.0	39148
885-38368-17	BH25-33 0'	Total/NA	Solid	300.0	39148
885-38368-18	BH25-33 1.5'	Total/NA	Solid	300.0	39148
885-38368-19	BH25-34 0'	Total/NA	Solid	300.0	39148
885-38368-20	BH25-34 1'	Total/NA	Solid	300.0	39148
885-38368-21	BH25-35 0'	Total/NA	Solid	300.0	39148
885-38368-22	BH25-35 2'	Total/NA	Solid	300.0	39148
885-38368-23	BH25-36 0'	Total/NA	Solid	300.0	39148
885-38368-24	BH25-36 1'	Total/NA	Solid	300.0	39148
885-38368-25	BH25-37 0'	Total/NA	Solid	300.0	39148
885-38368-26	BH25-37 1'	Total/NA	Solid	300.0	39148
885-38368-27	BH25-38 0'	Total/NA	Solid	300.0	39148
885-38368-28	BH25-38 1.5'	Total/NA	Solid	300.0	39148
885-38368-29	BH25-39 0'	Total/NA	Solid	300.0	39148
885-38368-30	BH25-39 1'	Total/NA	Solid	300.0	39148
885-38368-31	BH25-40 0'	Total/NA	Solid	300.0	39148
885-38368-32	BH25-40 1'	Total/NA	Solid	300.0	39148
885-38368-33	BH25-41 0'	Total/NA	Solid	300.0	39148
885-38368-34	BH25-41 2'	Total/NA	Solid	300.0	39148
885-38368-35	BH25-42 0'	Total/NA	Solid	300.0	39148

Eurofins Albuquerque

QC Association Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

HPLC/IC (Continued)

Analysis Batch: 39151 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38368-36	BH25-42 2'	Total/NA	Solid	300.0	39149
885-38368-37	BH25-43 0'	Total/NA	Solid	300.0	39149
885-38368-38	BH25-43 1.5'	Total/NA	Solid	300.0	39149
885-38368-39	BH25-44 0'	Total/NA	Solid	300.0	39149
885-38368-40	BH25-44 1'	Total/NA	Solid	300.0	39149
885-38368-41	BH25-45 0'	Total/NA	Solid	300.0	39149
885-38368-42	BH25-45 1'	Total/NA	Solid	300.0	39149
885-38368-43	BH25-46 0'	Total/NA	Solid	300.0	39149
885-38368-44	BH25-46 1.5'	Total/NA	Solid	300.0	39149
885-38368-45	BH25-47 0'	Total/NA	Solid	300.0	39149
885-38368-46	BH25-47 1'	Total/NA	Solid	300.0	39149
885-38368-47	BH25-48 0'	Total/NA	Solid	300.0	39149
885-38368-48	BH25-48 1'	Total/NA	Solid	300.0	39149
885-38368-49	BH25-49 0'	Total/NA	Solid	300.0	39149
885-38368-50	BH25-49 1'	Total/NA	Solid	300.0	39149
885-38368-51	BH25-50 0'	Total/NA	Solid	300.0	39149
885-38368-52	BH25-50 1'	Total/NA	Solid	300.0	39149
885-38368-53	BH25-51 0'	Total/NA	Solid	300.0	39149
885-38368-54	BH25-51 1'	Total/NA	Solid	300.0	39149
MB 885-39148/1-A	Method Blank	Total/NA	Solid	300.0	39148
MB 885-39149/1-A	Method Blank	Total/NA	Solid	300.0	39149
LCS 885-39148/2-A	Lab Control Sample	Total/NA	Solid	300.0	39148
LCS 885-39149/2-A	Lab Control Sample	Total/NA	Solid	300.0	39149
885-38368-16 MS	BH25-32 1'	Total/NA	Solid	300.0	39148
885-38368-16 MSD	BH25-32 1'	Total/NA	Solid	300.0	39148
885-38368-17 MS	BH25-33 0'	Total/NA	Solid	300.0	39148
885-38368-17 MSD	BH25-33 0'	Total/NA	Solid	300.0	39148
885-38368-37 MS	BH25-43 0'	Total/NA	Solid	300.0	39149
885-38368-37 MSD	BH25-43 0'	Total/NA	Solid	300.0	39149

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-25 0'

Lab Sample ID: 885-38368-1

Date Collected: 11/20/25 10:17

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 11:40
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 11:40
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 11:19
Total/NA	Prep	300_Prep			39145	JT	EET ALB	11/30/25 10:39
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 18:40

Client Sample ID: BH25-25 1'

Lab Sample ID: 885-38368-2

Date Collected: 11/20/25 10:24

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 12:51
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 12:51
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 11:31
Total/NA	Prep	300_Prep			39145	JT	EET ALB	11/30/25 10:39
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 18:51

Client Sample ID: BH25-26 0'

Lab Sample ID: 885-38368-3

Date Collected: 11/20/25 10:32

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 14:02
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 14:02
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 11:42
Total/NA	Prep	300_Prep			39145	JT	EET ALB	11/30/25 10:39
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 19:24

Client Sample ID: BH25-26 1'

Lab Sample ID: 885-38368-4

Date Collected: 11/20/25 10:42

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 14:26

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-26 1'

Lab Sample ID: 885-38368-4

Date Collected: 11/20/25 10:42

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 14:26
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 11:53
Total/NA	Prep	300_Prep			39145	JT	EET ALB	11/30/25 10:39
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 19:34

Client Sample ID: BH25-27 0'

Lab Sample ID: 885-38368-5

Date Collected: 11/20/25 10:48

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 14:49
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 14:49
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 12:05
Total/NA	Prep	300_Prep			39145	JT	EET ALB	11/30/25 10:39
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 19:45

Client Sample ID: BH25-27 1'

Lab Sample ID: 885-38368-6

Date Collected: 11/20/25 11:00

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 15:13
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 15:13
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 12:16
Total/NA	Prep	300_Prep			39145	JT	EET ALB	11/30/25 10:39
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 19:56

Client Sample ID: BH25-28 0'

Lab Sample ID: 885-38368-7

Date Collected: 11/20/25 11:50

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 15:37
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 15:37

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-28 0'

Lab Sample ID: 885-38368-7

Date Collected: 11/20/25 11:50

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 12:28
Total/NA	Prep	300_Prep			39145	JT	EET ALB	11/30/25 10:39
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 20:07

Client Sample ID: BH25-28 1'

Lab Sample ID: 885-38368-8

Date Collected: 11/20/25 12:02

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 16:01
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 16:01
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 12:39
Total/NA	Prep	300_Prep			39145	JT	EET ALB	11/30/25 10:39
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 20:18

Client Sample ID: BH25-29 0'

Lab Sample ID: 885-38368-9

Date Collected: 11/20/25 14:47

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 16:25
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 16:25
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 13:03
Total/NA	Prep	300_Prep			39145	JT	EET ALB	11/30/25 10:39
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 20:29

Client Sample ID: BH25-29 1'

Lab Sample ID: 885-38368-10

Date Collected: 11/20/25 14:50

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 16:48
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 16:48
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 13:14

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-29 1'

Lab Sample ID: 885-38368-10

Date Collected: 11/20/25 14:50

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			39145	JT	EET ALB	11/30/25 10:39
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 20:40

Client Sample ID: BH25-30 0'

Lab Sample ID: 885-38368-11

Date Collected: 11/20/25 14:54

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 17:35
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 17:35
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 13:49
Total/NA	Prep	300_Prep			39145	JT	EET ALB	11/30/25 10:39
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 20:50

Client Sample ID: BH25-30 1'

Lab Sample ID: 885-38368-12

Date Collected: 11/20/25 15:05

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 17:59
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 17:59
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 14:01
Total/NA	Prep	300_Prep			39145	JT	EET ALB	11/30/25 10:39
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 21:01

Client Sample ID: BH25-31 0'

Lab Sample ID: 885-38368-13

Date Collected: 11/20/25 15:21

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 18:23
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 18:23
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 14:12
Total/NA	Prep	300_Prep			39145	JT	EET ALB	11/30/25 10:39
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 21:34

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-31 1'

Lab Sample ID: 885-38368-14

Date Collected: 11/20/25 15:27

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 18:46
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 18:46
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 14:24
Total/NA	Prep	300_Prep			39145	JT	EET ALB	11/30/25 10:39
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 21:45

Client Sample ID: BH25-32 0'

Lab Sample ID: 885-38368-15

Date Collected: 11/20/25 15:36

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 19:09
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 19:09
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 14:35
Total/NA	Prep	300_Prep			39145	JT	EET ALB	11/30/25 10:39
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 21:55

Client Sample ID: BH25-32 1'

Lab Sample ID: 885-38368-16

Date Collected: 11/20/25 14:42

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 19:33
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 19:33
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 14:47
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 14:36

Client Sample ID: BH25-33 0'

Lab Sample ID: 885-38368-17

Date Collected: 11/21/25 08:52

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 19:56

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Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-33 0'

Lab Sample ID: 885-38368-17

Date Collected: 11/21/25 08:52

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 19:56
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 15:10
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 15:07

Client Sample ID: BH25-33 1.5'

Lab Sample ID: 885-38368-18

Date Collected: 11/21/25 09:01

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 20:20
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 20:20
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 15:22
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 15:58

Client Sample ID: BH25-34 0'

Lab Sample ID: 885-38368-19

Date Collected: 11/21/25 09:08

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 20:43
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 20:43
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 15:33
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 16:09

Client Sample ID: BH25-34 1'

Lab Sample ID: 885-38368-20

Date Collected: 11/21/25 09:18

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8015M/D		1	39155	VP	EET ALB	12/01/25 21:07
Total/NA	Prep	5030C			39113	JP	EET ALB	11/26/25 12:46
Total/NA	Analysis	8021B		1	39156	VP	EET ALB	12/01/25 21:07

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Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-34 1'

Lab Sample ID: 885-38368-20

Date Collected: 11/21/25 09:18

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			39162	EM	EET ALB	12/01/25 08:37
Total/NA	Analysis	8015M/D		1	39158	DH	EET ALB	12/01/25 15:45
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 16:19

Client Sample ID: BH25-35 0'

Lab Sample ID: 885-38368-21

Date Collected: 11/21/25 09:25

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/01/25 23:26
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/01/25 23:26
Total/NA	Prep	SHAKE			39178	EM	EET ALB	12/01/25 10:59
Total/NA	Analysis	8015M/D		1	39160	DH	EET ALB	12/01/25 23:31
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 16:29

Client Sample ID: BH25-35 2'

Lab Sample ID: 885-38368-22

Date Collected: 11/21/25 09:33

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 00:36
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 00:36
Total/NA	Prep	SHAKE			39178	EM	EET ALB	12/01/25 10:59
Total/NA	Analysis	8015M/D		1	39160	DH	EET ALB	12/01/25 23:42
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 16:40

Client Sample ID: BH25-36 0'

Lab Sample ID: 885-38368-23

Date Collected: 11/21/25 08:20

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 01:46
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 01:46
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 17:46

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-36 0'

Lab Sample ID: 885-38368-23

Date Collected: 11/21/25 08:20

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 16:50

Client Sample ID: BH25-36 1'

Lab Sample ID: 885-38368-24

Date Collected: 11/21/25 08:32

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 02:09
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 02:09
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 17:57
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 17:00

Client Sample ID: BH25-37 0'

Lab Sample ID: 885-38368-25

Date Collected: 11/21/25 09:50

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 02:32
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 02:32
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 18:09
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 17:11

Client Sample ID: BH25-37 1'

Lab Sample ID: 885-38368-26

Date Collected: 11/21/25 10:01

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 02:55
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 02:55
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 18:20
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 17:21

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-38 0'

Lab Sample ID: 885-38368-27

Date Collected: 11/21/25 10:13

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 03:18
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 03:18
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 18:32
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 17:31

Client Sample ID: BH25-38 1.5'

Lab Sample ID: 885-38368-28

Date Collected: 11/21/25 10:21

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 03:41
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 03:41
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 18:43
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 18:02

Client Sample ID: BH25-39 0'

Lab Sample ID: 885-38368-29

Date Collected: 11/21/25 14:24

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 04:04
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 04:04
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 18:55
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 18:13

Client Sample ID: BH25-39 1'

Lab Sample ID: 885-38368-30

Date Collected: 11/21/25 14:35

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 04:28

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-39 1'

Lab Sample ID: 885-38368-30

Date Collected: 11/21/25 14:35

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 04:28
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 19:07
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 18:23

Client Sample ID: BH25-40 0'

Lab Sample ID: 885-38368-31

Date Collected: 11/21/25 14:43

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 05:14
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 05:14
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 19:18
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 18:33

Client Sample ID: BH25-40 1'

Lab Sample ID: 885-38368-32

Date Collected: 11/21/25 14:55

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 05:37
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 05:37
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 19:30
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 18:44

Client Sample ID: BH25-41 0'

Lab Sample ID: 885-38368-33

Date Collected: 11/21/25 15:00

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 06:00
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 06:00

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-41 0'

Lab Sample ID: 885-38368-33

Date Collected: 11/21/25 15:00

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 19:53
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 18:54

Client Sample ID: BH25-41 2'

Lab Sample ID: 885-38368-34

Date Collected: 11/21/25 15:10

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 06:23
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 06:23
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 20:04
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 19:05

Client Sample ID: BH25-42 0'

Lab Sample ID: 885-38368-35

Date Collected: 11/21/25 15:18

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 06:46
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 06:46
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 20:16
Total/NA	Prep	300_Prep			39148	JT	EET ALB	11/30/25 12:23
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 19:15

Client Sample ID: BH25-42 2'

Lab Sample ID: 885-38368-36

Date Collected: 11/21/25 15:25

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 07:09
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 07:09
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 20:28

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-42 2'

Lab Sample ID: 885-38368-36

Date Collected: 11/21/25 15:25

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 19:25

Client Sample ID: BH25-43 0'

Lab Sample ID: 885-38368-37

Date Collected: 11/22/25 10:42

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 07:32
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 07:32
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 20:39
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 20:17

Client Sample ID: BH25-43 1.5'

Lab Sample ID: 885-38368-38

Date Collected: 11/22/25 10:46

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 07:55
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 07:55
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 20:51
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 20:48

Client Sample ID: BH25-44 0'

Lab Sample ID: 885-38368-39

Date Collected: 11/22/25 10:48

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 08:18
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 08:18
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 21:03
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 20:58

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Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-44 1'

Lab Sample ID: 885-38368-40

Date Collected: 11/22/25 10:57

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8015M/D		1	39173	VP	EET ALB	12/02/25 08:42
Total/NA	Prep	5030C			39123	VP	EET ALB	11/26/25 15:03
Total/NA	Analysis	8021B		1	39174	VP	EET ALB	12/02/25 08:42
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 21:14
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 21:09

Client Sample ID: BH25-45 0'

Lab Sample ID: 885-38368-41

Date Collected: 11/22/25 12:42

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8015M/D		1	39142	VP	EET ALB	11/30/25 14:02
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8021B		1	39143	VP	EET ALB	11/30/25 14:02
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 21:26
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 21:19

Client Sample ID: BH25-45 1'

Lab Sample ID: 885-38368-42

Date Collected: 11/22/25 12:53

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8015M/D		1	39142	VP	EET ALB	11/30/25 15:12
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8021B		1	39143	VP	EET ALB	11/30/25 15:12
Total/NA	Prep	SHAKE			39202	BV	EET ALB	12/01/25 14:00
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 21:37
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 21:29

Client Sample ID: BH25-46 0'

Lab Sample ID: 885-38368-43

Date Collected: 11/22/25 12:32

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8015M/D		1	39142	VP	EET ALB	11/30/25 16:24

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-46 0'

Lab Sample ID: 885-38368-43

Date Collected: 11/22/25 12:32

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8021B		1	39143	VP	EET ALB	11/30/25 16:24
Total/NA	Prep	SHAKE			39257	JM	EET ALB	12/02/25 11:09
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 22:47
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 22:00

Client Sample ID: BH25-46 1.5'

Lab Sample ID: 885-38368-44

Date Collected: 11/22/25 12:38

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8015M/D		1	39142	VP	EET ALB	11/30/25 16:47
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8021B		1	39143	VP	EET ALB	11/30/25 16:47
Total/NA	Prep	SHAKE			39257	JM	EET ALB	12/02/25 11:09
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 23:22
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 22:11

Client Sample ID: BH25-47 0'

Lab Sample ID: 885-38368-45

Date Collected: 11/22/25 12:08

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8015M/D		1	39142	VP	EET ALB	11/30/25 17:11
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8021B		1	39143	VP	EET ALB	11/30/25 17:11
Total/NA	Prep	SHAKE			39257	JM	EET ALB	12/02/25 11:09
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 23:33
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 22:21

Client Sample ID: BH25-47 1'

Lab Sample ID: 885-38368-46

Date Collected: 11/22/25 12:15

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8015M/D		1	39142	VP	EET ALB	11/30/25 17:35
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8021B		1	39143	VP	EET ALB	11/30/25 17:35

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Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-47 1'

Lab Sample ID: 885-38368-46

Date Collected: 11/22/25 12:15

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			39257	JM	EET ALB	12/02/25 11:09
Total/NA	Analysis	8015M/D		1	39308	BV	EET ALB	12/03/25 10:56
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 22:31

Client Sample ID: BH25-48 0'

Lab Sample ID: 885-38368-47

Date Collected: 11/22/25 11:55

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8015M/D		1	39142	VP	EET ALB	11/30/25 17:58
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8021B		1	39143	VP	EET ALB	11/30/25 17:58
Total/NA	Prep	SHAKE			39257	JM	EET ALB	12/02/25 11:09
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/02/25 23:56
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 22:42

Client Sample ID: BH25-48 1'

Lab Sample ID: 885-38368-48

Date Collected: 11/22/25 12:04

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8015M/D		1	39142	VP	EET ALB	11/30/25 18:22
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8021B		1	39143	VP	EET ALB	11/30/25 18:22
Total/NA	Prep	SHAKE			39257	JM	EET ALB	12/02/25 11:09
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/03/25 00:08
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 22:52

Client Sample ID: BH25-49 0'

Lab Sample ID: 885-38368-49

Date Collected: 11/22/25 12:18

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8015M/D		1	39142	VP	EET ALB	11/30/25 18:45
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8021B		1	39143	VP	EET ALB	11/30/25 18:45
Total/NA	Prep	SHAKE			39257	JM	EET ALB	12/02/25 11:09
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/03/25 00:20

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-49 0'

Lab Sample ID: 885-38368-49

Date Collected: 11/22/25 12:18

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 23:02

Client Sample ID: BH25-49 1'

Lab Sample ID: 885-38368-50

Date Collected: 11/22/25 12:25

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8015M/D		1	39142	VP	EET ALB	11/30/25 19:09
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8021B		1	39143	VP	EET ALB	11/30/25 19:09
Total/NA	Prep	SHAKE			39257	JM	EET ALB	12/02/25 11:09
Total/NA	Analysis	8015M/D		1	39308	BV	EET ALB	12/03/25 11:20
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 23:13

Client Sample ID: BH25-50 0'

Lab Sample ID: 885-38368-51

Date Collected: 11/22/25 11:44

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8015M/D		1	39142	VP	EET ALB	11/30/25 19:56
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8021B		1	39143	VP	EET ALB	11/30/25 19:56
Total/NA	Prep	SHAKE			39257	JM	EET ALB	12/02/25 11:09
Total/NA	Analysis	8015M/D		1	39308	BV	EET ALB	12/03/25 11:43
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 23:23

Client Sample ID: BH25-50 1'

Lab Sample ID: 885-38368-52

Date Collected: 11/22/25 11:51

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8015M/D		1	39142	VP	EET ALB	11/30/25 20:20
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8021B		1	39143	VP	EET ALB	11/30/25 20:20
Total/NA	Prep	SHAKE			39257	JM	EET ALB	12/02/25 11:09
Total/NA	Analysis	8015M/D		1	39308	BV	EET ALB	12/03/25 12:06
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	11/30/25 23:33

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

Client Sample ID: BH25-51 0'

Lab Sample ID: 885-38368-53

Date Collected: 11/22/25 11:31

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8015M/D		1	39142	VP	EET ALB	11/30/25 20:43
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8021B		1	39143	VP	EET ALB	11/30/25 20:43
Total/NA	Prep	SHAKE			39257	JM	EET ALB	12/02/25 11:09
Total/NA	Analysis	8015M/D		1	39241	EM	EET ALB	12/03/25 01:18
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	12/01/25 00:04

Client Sample ID: BH25-51 1'

Lab Sample ID: 885-38368-54

Date Collected: 11/22/25 11:40

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8015M/D		1	39142	VP	EET ALB	11/30/25 21:07
Total/NA	Prep	5030C			39127	VP	EET ALB	11/26/25 15:52
Total/NA	Analysis	8021B		1	39143	VP	EET ALB	11/30/25 21:07
Total/NA	Prep	SHAKE			39257	JM	EET ALB	12/02/25 11:09
Total/NA	Analysis	8015M/D		1	39308	BV	EET ALB	12/03/25 12:29
Total/NA	Prep	300_Prep			39149	JT	EET ALB	11/30/25 12:58
Total/NA	Analysis	300.0		10	39151	JT	EET ALB	12/01/25 00:15

Laboratory References:

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

Accreditation/Certification Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38368-1

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	02-27-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics [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	02-26-26

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- 11

Chain-of-Custody Record

Client: **Vertex (bill to Mack Energy, Matt Buckles)**

Mailing Address: 3101 Boyd Drive
Carlsbad, New Mexico 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 5-day rush

Project Name:

Cornwall Federal #001H

Project #:

25A-05756

Project Manager:

Sally Carttar

SCarttar@vertexresource.com

Sampler: L. Pullman

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): $0.2 + 0.2 = 0.4$



HALL ENVIRONMENTAL ANALYSIS LABOR

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107



885-38368 COC

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11.20.25	10:17	Soil	BH25-25 0'	1-4oz jar			X	X					X			
11.20.25	10:24	Soil	BH25-25 1'	1-4oz jar			X	X					X			
11.20.25	10:32	Soil	BH25-26 0'	1-4oz jar			X	X					X			
11.20.25	10:42	Soil	BH25-26 1'	1-4oz jar			X	X					X			
11.20.25	10:48	Soil	BH25-27 0'	1-4oz jar			X	X					X			
11.20.25	11:00	Soil	BH25-27 1'	1-4oz jar			X	X					X			
11.20.25	11:50	Soil	BH25-28 0'	1-4oz jar			X	X					X			
11.20.25	12:02	Soil	BH25-28 1'	1-4oz jar			X	X					X			
11.20.25	14:47	Soil	BH25-29 0'	1-4oz jar			X	X					X			
11.20.25	14:50	Soil	BH25-29 1'	1-4oz jar			X	X					X			
11.20.25	14:54	Soil	BH25-30 0'	1-4oz jar			X	X					X			
11.20.25	15:05	Soil	BH25-30 1'	1-4oz jar			X	X					X			
Date: 11-20-25	Time: 07:00	Relinquished by: Lakin Pullman	Received by: [Signature]	Via: [Signature]	Date: 11/24/25	Time: 7:00	Direct Bill to Mack Energy: ATTN: Matt Buckles CC: Sally Carttar (SCarttar@vertexresource.com), permian@vertexresource.com, Sharon Minnix (SMinnix@vertexresource.com), Katrina Taylor (Katrina.Taylor@vertexresource.com), and Lakin Pullman (LPullman@vertexresource.com) for Final Report.									
Date: 11/24/25	Time: 19:00	Relinquished by: [Signature]	Received by: [Signature]	Via: [Signature]	Date: 11/25/25	Time: 8:00										

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 Mack Energy, Matt Buckles)**

Turn-Around Time:

Standard 5-day rush



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Mailing Address: 3101 Boyd Drive

Cornwall Federal #001H

Carlsbad, New Mexico 88220

Project #:

Phone #: 575.725.5001

25A-05756

email or Fax#:

Project Manager:

QA/QC Package:

Sally Carttar

Standard Level 4 (Full Validation)

SCarttar@vertexresource.com

Accreditation: Az Compliance

Sampler: L. Pullman

NELAC Other _____

On Ice: Yes No

EDD (Type) _____

of Coolers: 1 *702*

Cooler Temp (including CF): *0.2 to 2 = 0.4*

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)																							
11.20.25	15:21	Soil	BH25-31 0'	1-4oz jar			X	X						X																									
11.20.25	15:27	Soil	BH25-31 1'	1-4oz jar			X	X						X																									
11.20.25	15:36	Soil	BH25-32 0'	1-4oz jar			X	X						X																									
11.20.25	14:42	Soil	BH25-32 1'	1-4oz jar			X	X						X																									
11.21.25	8:52	Soil	BH25-33 0'	1-4oz jar			X	X						X																									
11.21.25	9:01	Soil	BH25-33 1.5'	1-4oz jar			X	X						X																									
11.21.25	9:08	Soil	BH25-34 0'	1-4oz jar			X	X						X																									
11.21.25	9:18	Soil	BH25-34 1'	1-4oz jar			X	X						X																									
11.21.25	9:25	Soil	BH25-35 0'	1-4oz jar			X	X						X																									
11.21.25	9:33	Soil	BH25-35 2'	1-4oz jar			X	X						X																									
11.21.25	8:20	Soil	BH25-36 0'	1-4oz jar			X	X						X																									
11.21.25	8:32	Soil	BH25-36 1'	1-4oz jar			X	X						X																									

Date: ~~11-24-25~~ 07:00 Relinquished by: *Lakin Pullman*

Received by: *Admission* Via: *11/21/25* Date: *11/21/25* Time: *7:00*

Direct Bill to Mack Energy: ATTN: Matt Buckles
 CC: Sally Carttar (SCarttar@vertexresource.com),
 permian@vertexresource.com, Sharon Minnix
 (SMinnix@vertexresource.com), Katrina Taylor
 (Katrina.Taylor@vertexresource.com), and Lakin Pullman
 (LPullman@vertexresource.com) for Final Report.

Date: *11/21/25* 19:00 Relinquished by: *Admission*

Received by: *J. Courrier* Via: *11/21/25* Date: *11/21/25* Time: *8:00*

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.



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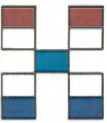
Chain-of-Custody Record

Client: **Vertex (bill to Mack Energy, Matt Buckles)**

Turn-Around Time:
 Standard **X 5-day rush**

Project Name:
Cornwall Federal #001H

Project #:
25A-05756



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Mailing Address: 3101 Boyd Drive
 Carlsbad, New Mexico 88220

Phone #: 575.725.5001

email or Fax#:

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

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

Project Manager:
Sally Carttar
SCarttar@vertexresource.com

Sampler: L. Pullman
 On Ice: Yes No

of Coolers: **1**

Cooler Temp (including CF): **0.240-2 = 0.24**

Container Type and #	Preservative Type	HEAL No.
----------------------	-------------------	----------

Date	Time	Matrix	Sample Name
11.22.25	10:42	Soil	BH25-43 0'
11.22.25	10:46	Soil	BH25-43 1.5'
11.22.25	10:48	Soil	BH25-44 0'
11.22.25	10:57	Soil	BH25-44 1'
11.22.25	12:42	Soil	BH25-45 0'
11.22.25	12:53	Soil	BH25-45 1'
11.22.25	12:32	Soil	BH25-46 0'
11.22.25	12:38	Soil	BH25-46 1.5'
11.22.25	12:08	Soil	BH25-47 0'
11.22.25	12:15	Soil	BH25-47 1'
11.22.25	11:55	Soil	BH25-48 0'
11.22.25	12:04	Soil	BH25-48 1'

BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			

Date: **11/24/25** Time: **07:00** Relinquished by: *Lakin Pullman*

Received by: *Sharon Minnix* Via: _____ Date: **11/24/25** Time: **7:00**

Direct Bill to Mack Energy: ATTN: Matt Buckles
 CC: Sally Carttar (SCarttar@vertexresource.com),
 permian@vertexresource.com, Sharon Minnix
 (SMinnix@vertexresource.com), Katrina Taylor
 (Katrina.Taylor@vertexresource.com), and Lakin Pullman
 (LPullman@vertexresource.com) for Final Report.

Date: **11/24/25** Time: **19:00** Relinquished by: *Sharon Minnix*

Received by: *Sharon Minnix* Via: _____ Date: **11/25/25** Time: **8:00**

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 noted on the analytical report.



Chain-of-Custody Record

Client: **Vertex (bill to Mack Energy, Matt Buckles)**

Turn-Around Time:
 Standard **X 5-day rush**

Project Name:
Cornwall Federal #001H

Project #:
25A-05756



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Mailing Address: 3101 Boyd Drive
 Carlsbad, New Mexico 88220

Phone #: 575.725.5001

email or Fax#:

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

Project Manager:
Sally Carttar
SCarttar@vertexresource.com

Sampler: L. Pullman

On Ice: Yes No

of Coolers: 1

Accreditation: Az Compliance
 NELAC Other _____

EDD (Type) _____

Cooler Temp (including CF): **0-2+0.2=0.4**

Container Type and #	Preservative Type	HEAL No.
----------------------	-------------------	----------

BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			

Date	Time	Matrix	Sample Name
11.22.25	12:18	Soil	BH25-49 0'
11.22.25	12:25	Soil	BH25-49 1'
11.22.25	11:44	Soil	BH25-50 0'
11.22.25	11:51	Soil	BH25-50 1'
11.22.25	11:31	Soil	BH25-51 0'
11.22.25	11:40	Soil	BH25-51 1'

Date: 11-25-25 07:00
 Relinquished by: *Lakin Pullman*

Date: 11/25/25 1900
 Relinquished by: *CCummings*

Received by: *CCummings* Via: *11/25/25 7:00* Date Time

Received by: *[Signature]* Via: *[Signature]* Date Time: 11/25/25 8:00

Direct Bill to Mack Energy: ATTN: Matt Buckles
 CC: Sally Carttar (SCarttar@vertexresource.com),
 permian@vertexresource.com, Sharon Minnix
 (SMinnix@vertexresource.com), Katrina Taylor
 (Katrina.Taylor@vertexresource.com), and Lakin Pullman
 (LPullman@vertexresource.com) for Final Report.

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 noted on the analytical report.

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Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-38368-1

Login Number: 38368

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/3/2025 4:04:48 PM

JOB DESCRIPTION

Cornwall Federal #001H

JOB NUMBER

885-38378-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

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

Authorization



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12/3/2025 4:04:48 PM

Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)338-8812

Client: Vertex
Project/Site: Cornwall Federal #001H

Laboratory Job ID: 885-38378-1



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Definitions/Glossary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38378-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
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: Cornwall Federal #001H

Job ID: 885-38378-1

Job ID: 885-38378-1

Eurofins Albuquerque

Job Narrative 885-38378-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 11/25/2025 8:00 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 0.5°C.

Gasoline Range Organics

Method 8015D_GRO: Surrogate recovery for the following sample was outside control limits: BH25-52 0' (885-38378-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH25-52 0' (885-38378-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015D_DRO: The following sample required a dilution due to the nature of the sample matrix: BH25-52 0' (885-38378-1). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

HPLC/IC

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

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Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38378-1

Client Sample ID: BH25-52 0'

Lab Sample ID: 885-38378-1

Date Collected: 11/22/25 11:07

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	650		49	mg/Kg		11/26/25 09:56	11/29/25 16:40	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	339	S1+	15 - 150			11/26/25 09:56	11/29/25 16:40	10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.24	mg/Kg		11/26/25 09:56	11/29/25 16:40	10
Ethylbenzene	23		0.49	mg/Kg		11/26/25 09:56	11/29/25 16:40	10
Toluene	8.0		0.49	mg/Kg		11/26/25 09:56	11/29/25 16:40	10
Xylenes, Total	30		0.97	mg/Kg		11/26/25 09:56	11/29/25 16:40	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	165	S1+	15 - 150			11/26/25 09:56	11/29/25 16:40	10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3000		200	mg/Kg		12/02/25 07:58	12/03/25 09:33	20
Motor Oil Range Organics [C28-C40]	2400		1000	mg/Kg		12/02/25 07:58	12/03/25 09:33	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	0	D S1-	62 - 134			12/02/25 07:58	12/03/25 09:33	20

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3900		50	mg/Kg		11/30/25 09:07	11/30/25 14:20	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38378-1

Client Sample ID: BH25-52 2'

Lab Sample ID: 885-38378-2

Date Collected: 11/22/25 11:15

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 09:56	12/01/25 08:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		15 - 150			11/26/25 09:56	12/01/25 08:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 09:56	12/01/25 08:56	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 09:56	12/01/25 08:56	1
Toluene	ND		0.049	mg/Kg		11/26/25 09:56	12/01/25 08:56	1
Xylenes, Total	ND		0.099	mg/Kg		11/26/25 09:56	12/01/25 08:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			11/26/25 09:56	12/01/25 08:56	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]	20		9.5	mg/Kg		12/02/25 07:58	12/03/25 10:07	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/02/25 07:58	12/03/25 10:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			12/02/25 07:58	12/03/25 10:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		11/30/25 09:07	11/30/25 14:31	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38378-1

Client Sample ID: BH25-52 2.5'

Lab Sample ID: 885-38378-3

Date Collected: 11/22/25 11:20

Matrix: Solid

Date Received: 11/25/25 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		11/26/25 09:56	12/01/25 09:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		15 - 150			11/26/25 09:56	12/01/25 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 09:56	12/01/25 09:19	1
Ethylbenzene	ND		0.049	mg/Kg		11/26/25 09:56	12/01/25 09:19	1
Toluene	ND		0.049	mg/Kg		11/26/25 09:56	12/01/25 09:19	1
Xylenes, Total	ND		0.098	mg/Kg		11/26/25 09:56	12/01/25 09:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			11/26/25 09:56	12/01/25 09:19	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		10	mg/Kg		12/02/25 08:56	12/03/25 04:38	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/02/25 08:56	12/03/25 04:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	65		62 - 134			12/02/25 08:56	12/03/25 04:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/30/25 09:07	11/30/25 14:42	10

QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38378-1

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

Lab Sample ID: MB 885-39088/1-A
Matrix: Solid
Analysis Batch: 39138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39088

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/26/25 09:55	11/29/25 13:30	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		15 - 150			11/26/25 09:55	11/29/25 13:30	1

Lab Sample ID: LCS 885-39088/2-A
Matrix: Solid
Analysis Batch: 39138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39088

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	31.1		mg/Kg		124	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	250		15 - 150				

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-39088/1-A
Matrix: Solid
Analysis Batch: 39139

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39088

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/26/25 09:55	11/29/25 13:30	1
Ethylbenzene	ND		0.050	mg/Kg		11/26/25 09:55	11/29/25 13:30	1
Toluene	ND		0.050	mg/Kg		11/26/25 09:55	11/29/25 13:30	1
Xylenes, Total	ND		0.10	mg/Kg		11/26/25 09:55	11/29/25 13:30	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			11/26/25 09:55	11/29/25 13:30	1

Lab Sample ID: LCS 885-39088/3-A
Matrix: Solid
Analysis Batch: 39139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39088

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.937		mg/Kg		94	70 - 130
Ethylbenzene	1.00	0.980		mg/Kg		98	70 - 130
m,p-Xylene	2.00	1.96		mg/Kg		98	70 - 130
o-Xylene	1.00	0.966		mg/Kg		97	70 - 130
Toluene	1.00	0.967		mg/Kg		97	70 - 130
Xylenes, Total	3.00	2.92		mg/Kg		97	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	108		15 - 150				

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QC Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38378-1

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

Lab Sample ID: MB 885-39228/1-A
 Matrix: Solid
 Analysis Batch: 39239

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 39228

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/02/25 07:58	12/03/25 05:00	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/02/25 07:58	12/03/25 05:00	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			12/02/25 07:58	12/03/25 05:00	1

Lab Sample ID: LCS 885-39228/2-A
 Matrix: Solid
 Analysis Batch: 39239

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 39228

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	37.8		mg/Kg		76	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	69		62 - 134				

Lab Sample ID: MB 885-39238/1-A
 Matrix: Solid
 Analysis Batch: 39239

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 39238

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/02/25 08:56	12/02/25 22:24	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/02/25 08:56	12/02/25 22:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			12/02/25 08:56	12/02/25 22:24	1

Lab Sample ID: LCS 885-39238/2-A
 Matrix: Solid
 Analysis Batch: 39239

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 39238

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	43.8		mg/Kg		88	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	95		62 - 134				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-39144/1-A
 Matrix: Solid
 Analysis Batch: 39146

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 39144

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		11/30/25 09:07	11/30/25 10:43	1

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38378-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-39144/2-A
Matrix: Solid
Analysis Batch: 39146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39144

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.3	48.8		mg/Kg		99	90 - 110

- 1
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- 11

QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38378-1

GC VOA

Prep Batch: 39088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38378-1	BH25-52 0'	Total/NA	Solid	5030C	
885-38378-2	BH25-52 2'	Total/NA	Solid	5030C	
885-38378-3	BH25-52 2.5'	Total/NA	Solid	5030C	
MB 885-39088/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-39088/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-39088/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 39138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38378-1	BH25-52 0'	Total/NA	Solid	8015M/D	39088
MB 885-39088/1-A	Method Blank	Total/NA	Solid	8015M/D	39088
LCS 885-39088/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	39088

Analysis Batch: 39139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38378-1	BH25-52 0'	Total/NA	Solid	8021B	39088
MB 885-39088/1-A	Method Blank	Total/NA	Solid	8021B	39088
LCS 885-39088/3-A	Lab Control Sample	Total/NA	Solid	8021B	39088

Analysis Batch: 39153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38378-2	BH25-52 2'	Total/NA	Solid	8015M/D	39088
885-38378-3	BH25-52 2.5'	Total/NA	Solid	8015M/D	39088

Analysis Batch: 39154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38378-2	BH25-52 2'	Total/NA	Solid	8021B	39088
885-38378-3	BH25-52 2.5'	Total/NA	Solid	8021B	39088

GC Semi VOA

Prep Batch: 39228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38378-1	BH25-52 0'	Total/NA	Solid	SHAKE	
885-38378-2	BH25-52 2'	Total/NA	Solid	SHAKE	
MB 885-39228/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-39228/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 39238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38378-3	BH25-52 2.5'	Total/NA	Solid	SHAKE	
MB 885-39238/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-39238/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 39239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38378-1	BH25-52 0'	Total/NA	Solid	8015M/D	39228
885-38378-2	BH25-52 2'	Total/NA	Solid	8015M/D	39228
885-38378-3	BH25-52 2.5'	Total/NA	Solid	8015M/D	39238
MB 885-39228/1-A	Method Blank	Total/NA	Solid	8015M/D	39228
MB 885-39238/1-A	Method Blank	Total/NA	Solid	8015M/D	39238

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QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38378-1

GC Semi VOA (Continued)

Analysis Batch: 39239 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-39228/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	39228
LCS 885-39238/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	39238

HPLC/IC

Prep Batch: 39144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38378-1	BH25-52 0'	Total/NA	Solid	300_Prep	
885-38378-2	BH25-52 2'	Total/NA	Solid	300_Prep	
885-38378-3	BH25-52 2.5'	Total/NA	Solid	300_Prep	
MB 885-39144/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-39144/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 39146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-38378-1	BH25-52 0'	Total/NA	Solid	300.0	39144
885-38378-2	BH25-52 2'	Total/NA	Solid	300.0	39144
885-38378-3	BH25-52 2.5'	Total/NA	Solid	300.0	39144
MB 885-39144/1-A	Method Blank	Total/NA	Solid	300.0	39144
LCS 885-39144/2-A	Lab Control Sample	Total/NA	Solid	300.0	39144

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Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-38378-1

Client Sample ID: BH25-52 0'

Lab Sample ID: 885-38378-1

Date Collected: 11/22/25 11:07

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39088	VP	EET ALB	11/26/25 09:56
Total/NA	Analysis	8015M/D		10	39138	VP	EET ALB	11/29/25 16:40
Total/NA	Prep	5030C			39088	VP	EET ALB	11/26/25 09:56
Total/NA	Analysis	8021B		10	39139	VP	EET ALB	11/29/25 16:40
Total/NA	Prep	SHAKE			39228	JM	EET ALB	12/02/25 07:58
Total/NA	Analysis	8015M/D		20	39239	BV	EET ALB	12/03/25 09:33
Total/NA	Prep	300_Prep			39144	JT	EET ALB	11/30/25 09:07
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 14:20

Client Sample ID: BH25-52 2'

Lab Sample ID: 885-38378-2

Date Collected: 11/22/25 11:15

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39088	VP	EET ALB	11/26/25 09:56
Total/NA	Analysis	8015M/D		1	39153	VP	EET ALB	12/01/25 08:56
Total/NA	Prep	5030C			39088	VP	EET ALB	11/26/25 09:56
Total/NA	Analysis	8021B		1	39154	VP	EET ALB	12/01/25 08:56
Total/NA	Prep	SHAKE			39228	JM	EET ALB	12/02/25 07:58
Total/NA	Analysis	8015M/D		1	39239	BV	EET ALB	12/03/25 10:07
Total/NA	Prep	300_Prep			39144	JT	EET ALB	11/30/25 09:07
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 14:31

Client Sample ID: BH25-52 2.5'

Lab Sample ID: 885-38378-3

Date Collected: 11/22/25 11:20

Matrix: Solid

Date Received: 11/25/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39088	VP	EET ALB	11/26/25 09:56
Total/NA	Analysis	8015M/D		1	39153	VP	EET ALB	12/01/25 09:19
Total/NA	Prep	5030C			39088	VP	EET ALB	11/26/25 09:56
Total/NA	Analysis	8021B		1	39154	VP	EET ALB	12/01/25 09:19
Total/NA	Prep	SHAKE			39238	JM	EET ALB	12/02/25 08:56
Total/NA	Analysis	8015M/D		1	39239	BV	EET ALB	12/03/25 04:38
Total/NA	Prep	300_Prep			39144	JT	EET ALB	11/30/25 09:07
Total/NA	Analysis	300.0		10	39146	JT	EET ALB	11/30/25 14:42

Laboratory References:

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

Accreditation/Certification Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-38378-1

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	02-27-26																																				
<p>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.</p> <table border="1"> <thead> <tr> <th>Analysis Method</th> <th>Prep Method</th> <th>Matrix</th> <th>Analyte</th> </tr> </thead> <tbody> <tr> <td>300.0</td> <td>300_Prep</td> <td>Solid</td> <td>Chloride</td> </tr> <tr> <td>8015M/D</td> <td>5030C</td> <td>Solid</td> <td>Gasoline Range Organics [C6 - C10]</td> </tr> <tr> <td>8015M/D</td> <td>SHAKE</td> <td>Solid</td> <td>Diesel Range Organics [C10-C28]</td> </tr> <tr> <td>8015M/D</td> <td>SHAKE</td> <td>Solid</td> <td>Motor Oil Range Organics [C28-C40]</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Benzene</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Ethylbenzene</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Toluene</td> </tr> <tr> <td>8021B</td> <td>5030C</td> <td>Solid</td> <td>Xylenes, Total</td> </tr> </tbody> </table>				Analysis Method	Prep Method	Matrix	Analyte	300.0	300_Prep	Solid	Chloride	8015M/D	5030C	Solid	Gasoline Range Organics [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
Analysis Method	Prep Method	Matrix	Analyte																																				
300.0	300_Prep	Solid	Chloride																																				
8015M/D	5030C	Solid	Gasoline Range Organics [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	02-26-26																																				



Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-38378-1

Login Number: 38378

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/30/2025 2:05:40 PM

JOB DESCRIPTION

Cornwall Federal #001H

JOB NUMBER

885-39514-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

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

Authorization



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Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)338-8812

Client: Vertex
Project/Site: Cornwall Federal #001H

Laboratory Job ID: 885-39514-1



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Definitions/Glossary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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

Eurofins Albuquerque

Case Narrative

Client: Vertex
Project: Cornwall Federal #001H

Job ID: 885-39514-1

Job ID: 885-39514-1

Eurofins Albuquerque

Job Narrative 885-39514-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/12/2025 7:40 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 2.3°C.

Gasoline Range Organics

Method 8015D_GRO: Surrogate recovery for the following sample was outside control limits: BH25-07 0' (885-39514-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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 following sample required a dilution due to the nature of the sample matrix: BH25-07 0' (885-39514-1). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8015D_DRO: Surrogate recovery for the following sample is outside the upper control limit: (CCV 885-39965/69). Corresponding CCV shows high surrogate, however, samples associated with the CCV are diluted below calibration range. Therefore, data is reported.

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

HPLC/IC

Method 300_OF_28D_PREC: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-40219 and analytical batch 885-40215 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Eurofins Albuquerque

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Client Sample ID: BH25-07 0'

Lab Sample ID: 885-39514-1

Date Collected: 12/10/25 12:23

Matrix: Solid

Date Received: 12/12/25 07:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	110		24	mg/Kg		12/15/25 15:13	12/24/25 07:07	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	171	S1+	15 - 150			12/15/25 15:13	12/24/25 07:07	5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.12	mg/Kg		12/15/25 15:13	12/24/25 07:07	5
Ethylbenzene	2.7		0.24	mg/Kg		12/15/25 15:13	12/24/25 07:07	5
Toluene	ND		0.24	mg/Kg		12/15/25 15:13	12/24/25 07:07	5
Xylenes, Total	12		0.48	mg/Kg		12/15/25 15:13	12/24/25 07:07	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138		15 - 150			12/15/25 15:13	12/24/25 07:07	5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	11000		190	mg/Kg		12/16/25 08:45	12/17/25 14:40	20
Motor Oil Range Organics [C28-C40]	7000		930	mg/Kg		12/16/25 08:45	12/17/25 14:40	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	0	S1- D	62 - 134			12/16/25 08:45	12/17/25 14:40	20

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34000		250	mg/Kg		12/17/25 14:12	12/23/25 17:57	50

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Client Sample ID: BH25-07 1'

Lab Sample ID: 885-39514-2

Date Collected: 12/10/25 12:30

Matrix: Solid

Date Received: 12/12/25 07:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		12/15/25 15:13	12/24/25 07:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			12/15/25 15:13	12/24/25 07:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		12/15/25 15:13	12/24/25 07:54	1
Ethylbenzene	ND		0.050	mg/Kg		12/15/25 15:13	12/24/25 07:54	1
Toluene	ND		0.050	mg/Kg		12/15/25 15:13	12/24/25 07:54	1
Xylenes, Total	ND		0.099	mg/Kg		12/15/25 15:13	12/24/25 07:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			12/15/25 15:13	12/24/25 07:54	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		9.9	mg/Kg		12/16/25 08:45	12/17/25 01:26	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/16/25 08:45	12/17/25 01:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			12/16/25 08:45	12/17/25 01:26	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	480		50	mg/Kg		12/17/25 14:12	12/18/25 00:09	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Client Sample ID: BH25-07 2'

Lab Sample ID: 885-39514-3

Date Collected: 12/10/25 12:39

Matrix: Solid

Date Received: 12/12/25 07:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		12/15/25 15:13	12/24/25 08:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			12/15/25 15:13	12/24/25 08:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/15/25 15:13	12/24/25 08:41	1
Ethylbenzene	ND		0.048	mg/Kg		12/15/25 15:13	12/24/25 08:41	1
Toluene	ND		0.048	mg/Kg		12/15/25 15:13	12/24/25 08:41	1
Xylenes, Total	ND		0.097	mg/Kg		12/15/25 15:13	12/24/25 08:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			12/15/25 15:13	12/24/25 08:41	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		9.7	mg/Kg		12/16/25 08:45	12/17/25 01:38	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/16/25 08:45	12/17/25 01:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			12/16/25 08:45	12/17/25 01:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		51	mg/Kg		12/17/25 14:12	12/18/25 00:42	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Client Sample ID: BH25-07 3'

Lab Sample ID: 885-39514-4

Date Collected: 12/10/25 12:45

Matrix: Solid

Date Received: 12/12/25 07:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6	mg/Kg		12/17/25 12:40	12/23/25 22:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			12/17/25 12:40	12/23/25 22:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		12/17/25 12:40	12/23/25 22:24	1
Ethylbenzene	ND		0.046	mg/Kg		12/17/25 12:40	12/23/25 22:24	1
Toluene	ND		0.046	mg/Kg		12/17/25 12:40	12/23/25 22:24	1
Xylenes, Total	ND		0.093	mg/Kg		12/17/25 12:40	12/23/25 22:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			12/17/25 12:40	12/23/25 22:24	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		9.5	mg/Kg		12/18/25 14:10	12/22/25 21:15	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/18/25 14:10	12/22/25 21:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	75		62 - 134			12/18/25 14:10	12/22/25 21:15	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99		50	mg/Kg		12/17/25 14:12	12/18/25 00:52	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Client Sample ID: BH25-53 0'

Lab Sample ID: 885-39514-5

Date Collected: 12/10/25 13:03

Matrix: Solid

Date Received: 12/12/25 07:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		12/17/25 12:40	12/23/25 23:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			12/17/25 12:40	12/23/25 23:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/17/25 12:40	12/23/25 23:29	1
Ethylbenzene	ND		0.047	mg/Kg		12/17/25 12:40	12/23/25 23:29	1
Toluene	ND		0.047	mg/Kg		12/17/25 12:40	12/23/25 23:29	1
Xylenes, Total	ND		0.095	mg/Kg		12/17/25 12:40	12/23/25 23:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			12/17/25 12:40	12/23/25 23:29	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		12/18/25 14:10	12/19/25 15:18	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/18/25 14:10	12/19/25 15:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			12/18/25 14:10	12/19/25 15:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		50	mg/Kg		12/17/25 14:12	12/18/25 01:03	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Client Sample ID: BH25-53 2'

Lab Sample ID: 885-39514-6

Date Collected: 12/10/25 13:14

Matrix: Solid

Date Received: 12/12/25 07:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6	mg/Kg		12/17/25 12:40	12/24/25 00:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			12/17/25 12:40	12/24/25 00:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		12/17/25 12:40	12/24/25 00:35	1
Ethylbenzene	ND		0.046	mg/Kg		12/17/25 12:40	12/24/25 00:35	1
Toluene	ND		0.046	mg/Kg		12/17/25 12:40	12/24/25 00:35	1
Xylenes, Total	ND		0.092	mg/Kg		12/17/25 12:40	12/24/25 00:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			12/17/25 12:40	12/24/25 00:35	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		9.8	mg/Kg		12/18/25 14:10	12/19/25 15:29	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/18/25 14:10	12/19/25 15:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			12/18/25 14:10	12/19/25 15:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	350		50	mg/Kg		12/22/25 16:30	12/23/25 11:07	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Client Sample ID: BH25-54 0'

Lab Sample ID: 885-39514-7

Date Collected: 12/10/25 13:37

Matrix: Solid

Date Received: 12/12/25 07:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		12/17/25 12:40	12/24/25 00:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			12/17/25 12:40	12/24/25 00:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		12/17/25 12:40	12/24/25 00:56	1
Ethylbenzene	ND		0.047	mg/Kg		12/17/25 12:40	12/24/25 00:56	1
Toluene	ND		0.047	mg/Kg		12/17/25 12:40	12/24/25 00:56	1
Xylenes, Total	ND		0.094	mg/Kg		12/17/25 12:40	12/24/25 00:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			12/17/25 12:40	12/24/25 00:56	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		12/18/25 14:10	12/19/25 15:41	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/18/25 14:10	12/19/25 15:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	63		62 - 134			12/18/25 14:10	12/19/25 15:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		50	mg/Kg		12/22/25 16:30	12/23/25 11:49	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Client Sample ID: BH25-54 2'

Lab Sample ID: 885-39514-8

Date Collected: 12/10/25 13:50

Matrix: Solid

Date Received: 12/12/25 07:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		12/17/25 12:40	12/24/25 01:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			12/17/25 12:40	12/24/25 01:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/17/25 12:40	12/24/25 01:18	1
Ethylbenzene	ND		0.048	mg/Kg		12/17/25 12:40	12/24/25 01:18	1
Toluene	ND		0.048	mg/Kg		12/17/25 12:40	12/24/25 01:18	1
Xylenes, Total	ND		0.095	mg/Kg		12/17/25 12:40	12/24/25 01:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			12/17/25 12:40	12/24/25 01:18	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]	ND		9.5	mg/Kg		12/18/25 14:10	12/19/25 15:52	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/18/25 14:10	12/19/25 15:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			12/18/25 14:10	12/19/25 15:52	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		50	mg/Kg		12/22/25 16:30	12/23/25 12:32	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Client Sample ID: BH25-55 0'

Lab Sample ID: 885-39514-9

Date Collected: 12/10/25 13:20

Matrix: Solid

Date Received: 12/12/25 07:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		12/17/25 12:40	12/24/25 01:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			12/17/25 12:40	12/24/25 01:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/17/25 12:40	12/24/25 01:40	1
Ethylbenzene	ND		0.048	mg/Kg		12/17/25 12:40	12/24/25 01:40	1
Toluene	ND		0.048	mg/Kg		12/17/25 12:40	12/24/25 01:40	1
Xylenes, Total	ND		0.097	mg/Kg		12/17/25 12:40	12/24/25 01:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			12/17/25 12:40	12/24/25 01:40	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		12/18/25 14:10	12/19/25 16:03	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/18/25 14:10	12/19/25 16:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	63		62 - 134			12/18/25 14:10	12/19/25 16:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170	F1	50	mg/Kg		12/19/25 10:43	12/19/25 12:30	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Client Sample ID: BH25-55 2'

Lab Sample ID: 885-39514-10

Date Collected: 12/10/25 13:29

Matrix: Solid

Date Received: 12/12/25 07:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		12/17/25 12:40	12/24/25 02:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			12/17/25 12:40	12/24/25 02:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/17/25 12:40	12/24/25 02:01	1
Ethylbenzene	ND		0.047	mg/Kg		12/17/25 12:40	12/24/25 02:01	1
Toluene	ND		0.047	mg/Kg		12/17/25 12:40	12/24/25 02:01	1
Xylenes, Total	ND		0.095	mg/Kg		12/17/25 12:40	12/24/25 02:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			12/17/25 12:40	12/24/25 02:01	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		9.6	mg/Kg		12/18/25 14:10	12/19/25 16:15	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/18/25 14:10	12/19/25 16:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			12/18/25 14:10	12/19/25 16:15	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	F1	51	mg/Kg		12/19/25 10:43	12/19/25 13:12	10

QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

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

Lab Sample ID: MB 885-39944/1-A
Matrix: Solid
Analysis Batch: 40385

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39944

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		12/15/25 15:13	12/23/25 22:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			12/15/25 15:13	12/23/25 22:02	1

Lab Sample ID: LCS 885-39944/2-A
Matrix: Solid
Analysis Batch: 40385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39944

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	20.8		mg/Kg		83	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	204		15 - 150				

Lab Sample ID: MB 885-40090/1-A
Matrix: Solid
Analysis Batch: 40427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40090

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		12/17/25 12:40	12/23/25 22:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			12/17/25 12:40	12/23/25 22:02	1

Lab Sample ID: LCS 885-40090/2-A
Matrix: Solid
Analysis Batch: 40427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40090

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	21.0		mg/Kg		84	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	194		15 - 150				

Lab Sample ID: 885-39514-4 MS
Matrix: Solid
Analysis Batch: 40427

Client Sample ID: BH25-07 3'
Prep Type: Total/NA
Prep Batch: 40090

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	ND		23.1	18.9		mg/Kg		82	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	197		15 - 150						

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

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

Lab Sample ID: 885-39514-4 MSD
Matrix: Solid
Analysis Batch: 40427

Client Sample ID: BH25-07 3'
Prep Type: Total/NA
Prep Batch: 40090

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		23.1	18.7		mg/Kg		81	70 - 130	1	20
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	192		15 - 150								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-39944/1-A
Matrix: Solid
Analysis Batch: 40386

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39944

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		12/15/25 15:13	12/23/25 22:02	1
Ethylbenzene	ND		0.050	mg/Kg		12/15/25 15:13	12/23/25 22:02	1
Toluene	ND		0.050	mg/Kg		12/15/25 15:13	12/23/25 22:02	1
Xylenes, Total	ND		0.10	mg/Kg		12/15/25 15:13	12/23/25 22:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			12/15/25 15:13	12/23/25 22:02	1

Lab Sample ID: LCS 885-39944/3-A
Matrix: Solid
Analysis Batch: 40386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39944

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.995		mg/Kg		99	70 - 130
Ethylbenzene	1.00	1.01		mg/Kg		101	70 - 130
m,p-Xylene	2.00	2.07		mg/Kg		103	70 - 130
o-Xylene	1.00	0.993		mg/Kg		99	70 - 130
Toluene	1.00	1.01		mg/Kg		101	70 - 130
Xylenes, Total	3.00	3.06		mg/Kg		102	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	107		15 - 150				

Lab Sample ID: MB 885-40090/1-A
Matrix: Solid
Analysis Batch: 40426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40090

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		12/17/25 12:40	12/23/25 22:02	1
Ethylbenzene	ND		0.050	mg/Kg		12/17/25 12:40	12/23/25 22:02	1
Toluene	ND		0.050	mg/Kg		12/17/25 12:40	12/23/25 22:02	1
Xylenes, Total	ND		0.10	mg/Kg		12/17/25 12:40	12/23/25 22:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			12/17/25 12:40	12/23/25 22:02	1

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 885-40090/3-A
Matrix: Solid
Analysis Batch: 40426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40090

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	1.00	0.900		mg/Kg		90	70 - 130	
Ethylbenzene	1.00	0.904		mg/Kg		90	70 - 130	
m,p-Xylene	2.00	1.81		mg/Kg		91	70 - 130	
o-Xylene	1.00	0.916		mg/Kg		92	70 - 130	
Toluene	1.00	0.902		mg/Kg		90	70 - 130	
Xylenes, Total	3.00	2.73		mg/Kg		91	70 - 130	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		15 - 150

Lab Sample ID: 885-39514-5 MS
Matrix: Solid
Analysis Batch: 40426

Client Sample ID: BH25-53 0'
Prep Type: Total/NA
Prep Batch: 40090

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	ND		0.952	0.792		mg/Kg		83	70 - 130	
Ethylbenzene	ND		0.952	0.842		mg/Kg		88	70 - 130	
m,p-Xylene	ND		1.90	1.68		mg/Kg		88	70 - 130	
o-Xylene	ND		0.952	0.845		mg/Kg		89	70 - 130	
Toluene	ND		0.952	0.813		mg/Kg		85	70 - 130	
Xylenes, Total	ND		2.86	2.53		mg/Kg		88	70 - 130	

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		15 - 150

Lab Sample ID: 885-39514-5 MSD
Matrix: Solid
Analysis Batch: 40426

Client Sample ID: BH25-53 0'
Prep Type: Total/NA
Prep Batch: 40090

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
											RPD	Limit
Benzene	ND		0.953	0.813		mg/Kg		85	70 - 130	3	20	
Ethylbenzene	ND		0.953	0.840		mg/Kg		88	70 - 130	0	20	
m,p-Xylene	ND		1.91	1.65		mg/Kg		87	70 - 130	2	20	
o-Xylene	ND		0.953	0.844		mg/Kg		89	70 - 130	0	20	
Toluene	ND		0.953	0.820		mg/Kg		86	70 - 130	1	20	
Xylenes, Total	ND		2.86	2.50		mg/Kg		87	70 - 130	1	20	

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		15 - 150

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

Lab Sample ID: MB 885-39971/1-A
Matrix: Solid
Analysis Batch: 39965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39971

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

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

Lab Sample ID: MB 885-39971/1-A
Matrix: Solid
Analysis Batch: 39965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39971

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/16/25 08:45	12/16/25 16:56	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	107		62 - 134			12/16/25 08:45	12/16/25 16:56	1

Lab Sample ID: LCS 885-39971/2-A
Matrix: Solid
Analysis Batch: 39965

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	45.2		mg/Kg		90	51 - 148
Surrogate	%Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	103		62 - 134				

Lab Sample ID: 885-39514-3 MS
Matrix: Solid
Analysis Batch: 39965

Client Sample ID: BH25-07 2'
Prep Type: Total/NA
Prep Batch: 39971

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		46.4	47.0		mg/Kg		101	44 - 136
Surrogate	%Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	105		62 - 134						

Lab Sample ID: 885-39514-3 MSD
Matrix: Solid
Analysis Batch: 39965

Client Sample ID: BH25-07 2'
Prep Type: Total/NA
Prep Batch: 39971

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		47.8	48.9		mg/Kg		102	44 - 136	4	32
Surrogate	%Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	101		62 - 134								

Lab Sample ID: MB 885-40167/1-A
Matrix: Solid
Analysis Batch: 40211

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40167

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/18/25 14:10	12/19/25 12:15	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/18/25 14:10	12/19/25 12:15	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	114		62 - 134			12/18/25 14:10	12/19/25 12:15	1

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

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

Lab Sample ID: LCS 885-40167/2-A
Matrix: Solid
Analysis Batch: 40211

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	52.0		mg/Kg		104	51 - 148
Surrogate		LCS %Recovery	LCS Qualifier				Limits
Di-n-octyl phthalate (Surr)		111					62 - 134

Lab Sample ID: 885-39514-10 MS
Matrix: Solid
Analysis Batch: 40211

Client Sample ID: BH25-55 2'
Prep Type: Total/NA
Prep Batch: 40167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		49.3	46.0		mg/Kg		93	44 - 136
Surrogate		MS %Recovery		MS Qualifier					Limits
Di-n-octyl phthalate (Surr)		96							62 - 134

Lab Sample ID: 885-39514-10 MSD
Matrix: Solid
Analysis Batch: 40211

Client Sample ID: BH25-55 2'
Prep Type: Total/NA
Prep Batch: 40167

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	46.4		mg/Kg		94	44 - 136	1	32
Surrogate		MSD %Recovery		MSD Qualifier					Limits		
Di-n-octyl phthalate (Surr)		96							62 - 134		

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-40104/1-A
Matrix: Solid
Analysis Batch: 40071

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40104

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		12/17/25 14:12	12/17/25 19:16	1

Lab Sample ID: LCS 885-40104/2-A
Matrix: Solid
Analysis Batch: 40071

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.3	47.3		mg/Kg		96	90 - 110

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QC Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-40219/1-A
 Matrix: Solid
 Analysis Batch: 40215

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 40219

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		12/19/25 10:43	12/19/25 12:01	1

Lab Sample ID: LCS 885-40219/2-A
 Matrix: Solid
 Analysis Batch: 40215

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 40219

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.8	48.7		mg/Kg		98	90 - 110

Lab Sample ID: 885-39514-9 MSD
 Matrix: Solid
 Analysis Batch: 40215

Client Sample ID: BH25-55 0'
 Prep Type: Total/NA
 Prep Batch: 40219

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	170	F1	50.0	211		mg/Kg		84	50 - 150	14	20

Lab Sample ID: 885-39514-10 MSD
 Matrix: Solid
 Analysis Batch: 40215

Client Sample ID: BH25-55 2'
 Prep Type: Total/NA
 Prep Batch: 40219

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND	F1	50.5	87.7		mg/Kg		NC	50 - 150	2	20

Lab Sample ID: MB 885-40340/1-A
 Matrix: Solid
 Analysis Batch: 40371

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 40340

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		12/22/25 16:30	12/23/25 10:38	1

Lab Sample ID: LCS 885-40340/2-A
 Matrix: Solid
 Analysis Batch: 40371

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 40340

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.3		mg/Kg		97	90 - 110

Lab Sample ID: 885-39514-7 MS
 Matrix: Solid
 Analysis Batch: 40371

Client Sample ID: BH25-54 0'
 Prep Type: Total/NA
 Prep Batch: 40340

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	270		50.2	315	4	mg/Kg		96	50 - 150

Lab Sample ID: 885-39514-7 MSD
 Matrix: Solid
 Analysis Batch: 40371

Client Sample ID: BH25-54 0'
 Prep Type: Total/NA
 Prep Batch: 40340

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	270		49.2	302	4	mg/Kg		73	50 - 150	4	20

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QC Association Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

GC VOA

Prep Batch: 39944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-1	BH25-07 0'	Total/NA	Solid	5030C	
885-39514-2	BH25-07 1'	Total/NA	Solid	5030C	
885-39514-3	BH25-07 2'	Total/NA	Solid	5030C	
MB 885-39944/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-39944/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-39944/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 40090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-4	BH25-07 3'	Total/NA	Solid	5030C	
885-39514-5	BH25-53 0'	Total/NA	Solid	5030C	
885-39514-6	BH25-53 2'	Total/NA	Solid	5030C	
885-39514-7	BH25-54 0'	Total/NA	Solid	5030C	
885-39514-8	BH25-54 2'	Total/NA	Solid	5030C	
885-39514-9	BH25-55 0'	Total/NA	Solid	5030C	
885-39514-10	BH25-55 2'	Total/NA	Solid	5030C	
MB 885-40090/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-40090/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-40090/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-39514-4 MS	BH25-07 3'	Total/NA	Solid	5030C	
885-39514-4 MSD	BH25-07 3'	Total/NA	Solid	5030C	
885-39514-5 MS	BH25-53 0'	Total/NA	Solid	5030C	
885-39514-5 MSD	BH25-53 0'	Total/NA	Solid	5030C	

Analysis Batch: 40385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-1	BH25-07 0'	Total/NA	Solid	8015M/D	39944
885-39514-2	BH25-07 1'	Total/NA	Solid	8015M/D	39944
885-39514-3	BH25-07 2'	Total/NA	Solid	8015M/D	39944
MB 885-39944/1-A	Method Blank	Total/NA	Solid	8015M/D	39944
LCS 885-39944/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	39944

Analysis Batch: 40386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-1	BH25-07 0'	Total/NA	Solid	8021B	39944
885-39514-2	BH25-07 1'	Total/NA	Solid	8021B	39944
885-39514-3	BH25-07 2'	Total/NA	Solid	8021B	39944
MB 885-39944/1-A	Method Blank	Total/NA	Solid	8021B	39944
LCS 885-39944/3-A	Lab Control Sample	Total/NA	Solid	8021B	39944

Analysis Batch: 40426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-4	BH25-07 3'	Total/NA	Solid	8021B	40090
885-39514-5	BH25-53 0'	Total/NA	Solid	8021B	40090
885-39514-6	BH25-53 2'	Total/NA	Solid	8021B	40090
885-39514-7	BH25-54 0'	Total/NA	Solid	8021B	40090
885-39514-8	BH25-54 2'	Total/NA	Solid	8021B	40090
885-39514-9	BH25-55 0'	Total/NA	Solid	8021B	40090
885-39514-10	BH25-55 2'	Total/NA	Solid	8021B	40090
MB 885-40090/1-A	Method Blank	Total/NA	Solid	8021B	40090
LCS 885-40090/3-A	Lab Control Sample	Total/NA	Solid	8021B	40090

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QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

GC VOA (Continued)

Analysis Batch: 40426 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-5 MS	BH25-53 0'	Total/NA	Solid	8021B	40090
885-39514-5 MSD	BH25-53 0'	Total/NA	Solid	8021B	40090

Analysis Batch: 40427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-4	BH25-07 3'	Total/NA	Solid	8015M/D	40090
885-39514-5	BH25-53 0'	Total/NA	Solid	8015M/D	40090
885-39514-6	BH25-53 2'	Total/NA	Solid	8015M/D	40090
885-39514-7	BH25-54 0'	Total/NA	Solid	8015M/D	40090
885-39514-8	BH25-54 2'	Total/NA	Solid	8015M/D	40090
885-39514-9	BH25-55 0'	Total/NA	Solid	8015M/D	40090
885-39514-10	BH25-55 2'	Total/NA	Solid	8015M/D	40090
MB 885-40090/1-A	Method Blank	Total/NA	Solid	8015M/D	40090
LCS 885-40090/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	40090
885-39514-4 MS	BH25-07 3'	Total/NA	Solid	8015M/D	40090
885-39514-4 MSD	BH25-07 3'	Total/NA	Solid	8015M/D	40090

GC Semi VOA

Analysis Batch: 39965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-1	BH25-07 0'	Total/NA	Solid	8015M/D	39971
885-39514-2	BH25-07 1'	Total/NA	Solid	8015M/D	39971
885-39514-3	BH25-07 2'	Total/NA	Solid	8015M/D	39971
MB 885-39971/1-A	Method Blank	Total/NA	Solid	8015M/D	39971
LCS 885-39971/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	39971
885-39514-3 MS	BH25-07 2'	Total/NA	Solid	8015M/D	39971
885-39514-3 MSD	BH25-07 2'	Total/NA	Solid	8015M/D	39971

Prep Batch: 39971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-1	BH25-07 0'	Total/NA	Solid	SHAKE	
885-39514-2	BH25-07 1'	Total/NA	Solid	SHAKE	
885-39514-3	BH25-07 2'	Total/NA	Solid	SHAKE	
MB 885-39971/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-39971/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-39514-3 MS	BH25-07 2'	Total/NA	Solid	SHAKE	
885-39514-3 MSD	BH25-07 2'	Total/NA	Solid	SHAKE	

Prep Batch: 40167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-4	BH25-07 3'	Total/NA	Solid	SHAKE	
885-39514-5	BH25-53 0'	Total/NA	Solid	SHAKE	
885-39514-6	BH25-53 2'	Total/NA	Solid	SHAKE	
885-39514-7	BH25-54 0'	Total/NA	Solid	SHAKE	
885-39514-8	BH25-54 2'	Total/NA	Solid	SHAKE	
885-39514-9	BH25-55 0'	Total/NA	Solid	SHAKE	
885-39514-10	BH25-55 2'	Total/NA	Solid	SHAKE	
MB 885-40167/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-40167/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-39514-10 MS	BH25-55 2'	Total/NA	Solid	SHAKE	

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QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

GC Semi VOA (Continued)

Prep Batch: 40167 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-10 MSD	BH25-55 2'	Total/NA	Solid	SHAKE	

Analysis Batch: 40211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-5	BH25-53 0'	Total/NA	Solid	8015M/D	40167
885-39514-6	BH25-53 2'	Total/NA	Solid	8015M/D	40167
885-39514-7	BH25-54 0'	Total/NA	Solid	8015M/D	40167
885-39514-8	BH25-54 2'	Total/NA	Solid	8015M/D	40167
885-39514-9	BH25-55 0'	Total/NA	Solid	8015M/D	40167
885-39514-10	BH25-55 2'	Total/NA	Solid	8015M/D	40167
MB 885-40167/1-A	Method Blank	Total/NA	Solid	8015M/D	40167
LCS 885-40167/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	40167
885-39514-10 MS	BH25-55 2'	Total/NA	Solid	8015M/D	40167
885-39514-10 MSD	BH25-55 2'	Total/NA	Solid	8015M/D	40167

Analysis Batch: 40305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-4	BH25-07 3'	Total/NA	Solid	8015M/D	40167

HPLC/IC

Analysis Batch: 40071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-2	BH25-07 1'	Total/NA	Solid	300.0	40104
885-39514-3	BH25-07 2'	Total/NA	Solid	300.0	40104
885-39514-4	BH25-07 3'	Total/NA	Solid	300.0	40104
885-39514-5	BH25-53 0'	Total/NA	Solid	300.0	40104
MB 885-40104/1-A	Method Blank	Total/NA	Solid	300.0	40104
LCS 885-40104/2-A	Lab Control Sample	Total/NA	Solid	300.0	40104

Prep Batch: 40104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-1	BH25-07 0'	Total/NA	Solid	300_Prep	
885-39514-2	BH25-07 1'	Total/NA	Solid	300_Prep	
885-39514-3	BH25-07 2'	Total/NA	Solid	300_Prep	
885-39514-4	BH25-07 3'	Total/NA	Solid	300_Prep	
885-39514-5	BH25-53 0'	Total/NA	Solid	300_Prep	
MB 885-40104/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-40104/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 40215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-9	BH25-55 0'	Total/NA	Solid	300.0	40219
885-39514-10	BH25-55 2'	Total/NA	Solid	300.0	40219
MB 885-40219/1-A	Method Blank	Total/NA	Solid	300.0	40219
LCS 885-40219/2-A	Lab Control Sample	Total/NA	Solid	300.0	40219
885-39514-9 MSD	BH25-55 0'	Total/NA	Solid	300.0	40219
885-39514-10 MSD	BH25-55 2'	Total/NA	Solid	300.0	40219

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

HPLC/IC

Prep Batch: 40219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-9	BH25-55 0'	Total/NA	Solid	300_Prep	
885-39514-10	BH25-55 2'	Total/NA	Solid	300_Prep	
MB 885-40219/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-40219/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-39514-9 MSD	BH25-55 0'	Total/NA	Solid	300_Prep	
885-39514-10 MSD	BH25-55 2'	Total/NA	Solid	300_Prep	

Prep Batch: 40340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-6	BH25-53 2'	Total/NA	Solid	300_Prep	
885-39514-7	BH25-54 0'	Total/NA	Solid	300_Prep	
885-39514-8	BH25-54 2'	Total/NA	Solid	300_Prep	
MB 885-40340/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-40340/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-39514-7 MS	BH25-54 0'	Total/NA	Solid	300_Prep	
885-39514-7 MSD	BH25-54 0'	Total/NA	Solid	300_Prep	

Analysis Batch: 40371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39514-1	BH25-07 0'	Total/NA	Solid	300.0	40104
885-39514-6	BH25-53 2'	Total/NA	Solid	300.0	40340
885-39514-7	BH25-54 0'	Total/NA	Solid	300.0	40340
885-39514-8	BH25-54 2'	Total/NA	Solid	300.0	40340
MB 885-40340/1-A	Method Blank	Total/NA	Solid	300.0	40340
LCS 885-40340/2-A	Lab Control Sample	Total/NA	Solid	300.0	40340
885-39514-7 MS	BH25-54 0'	Total/NA	Solid	300.0	40340
885-39514-7 MSD	BH25-54 0'	Total/NA	Solid	300.0	40340

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Client Sample ID: BH25-07 0'

Lab Sample ID: 885-39514-1

Date Collected: 12/10/25 12:23

Matrix: Solid

Date Received: 12/12/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39944	VP	EET ALB	12/15/25 15:13
Total/NA	Analysis	8015M/D		5	40385	VP	EET ALB	12/24/25 07:07
Total/NA	Prep	5030C			39944	VP	EET ALB	12/15/25 15:13
Total/NA	Analysis	8021B		5	40386	VP	EET ALB	12/24/25 07:07
Total/NA	Prep	SHAKE			39971	DR	EET ALB	12/16/25 08:45
Total/NA	Analysis	8015M/D		20	39965	EM	EET ALB	12/17/25 14:40
Total/NA	Prep	300_Prep			40104	EH	EET ALB	12/17/25 14:12
Total/NA	Analysis	300.0		50	40371	MA	EET ALB	12/23/25 17:57

Client Sample ID: BH25-07 1'

Lab Sample ID: 885-39514-2

Date Collected: 12/10/25 12:30

Matrix: Solid

Date Received: 12/12/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39944	VP	EET ALB	12/15/25 15:13
Total/NA	Analysis	8015M/D		1	40385	VP	EET ALB	12/24/25 07:54
Total/NA	Prep	5030C			39944	VP	EET ALB	12/15/25 15:13
Total/NA	Analysis	8021B		1	40386	VP	EET ALB	12/24/25 07:54
Total/NA	Prep	SHAKE			39971	DR	EET ALB	12/16/25 08:45
Total/NA	Analysis	8015M/D		1	39965	EM	EET ALB	12/17/25 01:26
Total/NA	Prep	300_Prep			40104	EH	EET ALB	12/17/25 14:12
Total/NA	Analysis	300.0		10	40071	EH	EET ALB	12/18/25 00:09

Client Sample ID: BH25-07 2'

Lab Sample ID: 885-39514-3

Date Collected: 12/10/25 12:39

Matrix: Solid

Date Received: 12/12/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			39944	VP	EET ALB	12/15/25 15:13
Total/NA	Analysis	8015M/D		1	40385	VP	EET ALB	12/24/25 08:41
Total/NA	Prep	5030C			39944	VP	EET ALB	12/15/25 15:13
Total/NA	Analysis	8021B		1	40386	VP	EET ALB	12/24/25 08:41
Total/NA	Prep	SHAKE			39971	DR	EET ALB	12/16/25 08:45
Total/NA	Analysis	8015M/D		1	39965	EM	EET ALB	12/17/25 01:38
Total/NA	Prep	300_Prep			40104	EH	EET ALB	12/17/25 14:12
Total/NA	Analysis	300.0		10	40071	EH	EET ALB	12/18/25 00:42

Client Sample ID: BH25-07 3'

Lab Sample ID: 885-39514-4

Date Collected: 12/10/25 12:45

Matrix: Solid

Date Received: 12/12/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40090	JP	EET ALB	12/17/25 12:40
Total/NA	Analysis	8015M/D		1	40427	AT	EET ALB	12/23/25 22:24

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Client Sample ID: BH25-07 3'

Lab Sample ID: 885-39514-4

Date Collected: 12/10/25 12:45

Matrix: Solid

Date Received: 12/12/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40090	JP	EET ALB	12/17/25 12:40
Total/NA	Analysis	8021B		1	40426	AT	EET ALB	12/23/25 22:24
Total/NA	Prep	SHAKE			40167	BV	EET ALB	12/18/25 14:10
Total/NA	Analysis	8015M/D		1	40305	EM	EET ALB	12/22/25 21:15
Total/NA	Prep	300_Prep			40104	EH	EET ALB	12/17/25 14:12
Total/NA	Analysis	300.0		10	40071	EH	EET ALB	12/18/25 00:52

Client Sample ID: BH25-53 0'

Lab Sample ID: 885-39514-5

Date Collected: 12/10/25 13:03

Matrix: Solid

Date Received: 12/12/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40090	JP	EET ALB	12/17/25 12:40
Total/NA	Analysis	8015M/D		1	40427	AT	EET ALB	12/23/25 23:29
Total/NA	Prep	5030C			40090	JP	EET ALB	12/17/25 12:40
Total/NA	Analysis	8021B		1	40426	AT	EET ALB	12/23/25 23:29
Total/NA	Prep	SHAKE			40167	BV	EET ALB	12/18/25 14:10
Total/NA	Analysis	8015M/D		1	40211	BV	EET ALB	12/19/25 15:18
Total/NA	Prep	300_Prep			40104	EH	EET ALB	12/17/25 14:12
Total/NA	Analysis	300.0		10	40071	EH	EET ALB	12/18/25 01:03

Client Sample ID: BH25-53 2'

Lab Sample ID: 885-39514-6

Date Collected: 12/10/25 13:14

Matrix: Solid

Date Received: 12/12/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40090	JP	EET ALB	12/17/25 12:40
Total/NA	Analysis	8015M/D		1	40427	AT	EET ALB	12/24/25 00:35
Total/NA	Prep	5030C			40090	JP	EET ALB	12/17/25 12:40
Total/NA	Analysis	8021B		1	40426	AT	EET ALB	12/24/25 00:35
Total/NA	Prep	SHAKE			40167	BV	EET ALB	12/18/25 14:10
Total/NA	Analysis	8015M/D		1	40211	BV	EET ALB	12/19/25 15:29
Total/NA	Prep	300_Prep			40340	MA	EET ALB	12/22/25 16:30
Total/NA	Analysis	300.0		10	40371	MA	EET ALB	12/23/25 11:07

Client Sample ID: BH25-54 0'

Lab Sample ID: 885-39514-7

Date Collected: 12/10/25 13:37

Matrix: Solid

Date Received: 12/12/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40090	JP	EET ALB	12/17/25 12:40
Total/NA	Analysis	8015M/D		1	40427	AT	EET ALB	12/24/25 00:56
Total/NA	Prep	5030C			40090	JP	EET ALB	12/17/25 12:40
Total/NA	Analysis	8021B		1	40426	AT	EET ALB	12/24/25 00:56

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Client Sample ID: BH25-54 0'

Lab Sample ID: 885-39514-7

Date Collected: 12/10/25 13:37

Matrix: Solid

Date Received: 12/12/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			40167	BV	EET ALB	12/18/25 14:10
Total/NA	Analysis	8015M/D		1	40211	BV	EET ALB	12/19/25 15:41
Total/NA	Prep	300_Prep			40340	MA	EET ALB	12/22/25 16:30
Total/NA	Analysis	300.0		10	40371	MA	EET ALB	12/23/25 11:49

Client Sample ID: BH25-54 2'

Lab Sample ID: 885-39514-8

Date Collected: 12/10/25 13:50

Matrix: Solid

Date Received: 12/12/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40090	JP	EET ALB	12/17/25 12:40
Total/NA	Analysis	8015M/D		1	40427	AT	EET ALB	12/24/25 01:18
Total/NA	Prep	5030C			40090	JP	EET ALB	12/17/25 12:40
Total/NA	Analysis	8021B		1	40426	AT	EET ALB	12/24/25 01:18
Total/NA	Prep	SHAKE			40167	BV	EET ALB	12/18/25 14:10
Total/NA	Analysis	8015M/D		1	40211	BV	EET ALB	12/19/25 15:52
Total/NA	Prep	300_Prep			40340	MA	EET ALB	12/22/25 16:30
Total/NA	Analysis	300.0		10	40371	MA	EET ALB	12/23/25 12:32

Client Sample ID: BH25-55 0'

Lab Sample ID: 885-39514-9

Date Collected: 12/10/25 13:20

Matrix: Solid

Date Received: 12/12/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40090	JP	EET ALB	12/17/25 12:40
Total/NA	Analysis	8015M/D		1	40427	AT	EET ALB	12/24/25 01:40
Total/NA	Prep	5030C			40090	JP	EET ALB	12/17/25 12:40
Total/NA	Analysis	8021B		1	40426	AT	EET ALB	12/24/25 01:40
Total/NA	Prep	SHAKE			40167	BV	EET ALB	12/18/25 14:10
Total/NA	Analysis	8015M/D		1	40211	BV	EET ALB	12/19/25 16:03
Total/NA	Prep	300_Prep			40219	MA	EET ALB	12/19/25 10:43
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/19/25 12:30

Client Sample ID: BH25-55 2'

Lab Sample ID: 885-39514-10

Date Collected: 12/10/25 13:29

Matrix: Solid

Date Received: 12/12/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40090	JP	EET ALB	12/17/25 12:40
Total/NA	Analysis	8015M/D		1	40427	AT	EET ALB	12/24/25 02:01
Total/NA	Prep	5030C			40090	JP	EET ALB	12/17/25 12:40
Total/NA	Analysis	8021B		1	40426	AT	EET ALB	12/24/25 02:01
Total/NA	Prep	SHAKE			40167	BV	EET ALB	12/18/25 14:10
Total/NA	Analysis	8015M/D		1	40211	BV	EET ALB	12/19/25 16:15

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

Client Sample ID: BH25-55 2'

Lab Sample ID: 885-39514-10

Date Collected: 12/10/25 13:29

Matrix: Solid

Date Received: 12/12/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			40219	MA	EET ALB	12/19/25 10:43
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/19/25 13:12

Laboratory References:

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



Accreditation/Certification Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39514-1

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	02-25-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics [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	02-25-26

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Chain-of-Custody Record

Client: **Vertex (bill to Mack Energy, Matt Buckles)**

Turn-Around Time:

Standard **X 5-day rush**

Project Name:

Cornwall Federal #001H

Project #:

25A-05756

Project Manager:

Sally Carttar

SCarttar@vertexresource.com

Sampler: **L. Pullman**

On Ice: Yes No

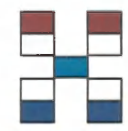
of Coolers: **1 Joe**

Cooler Temp (including CF): **7.1 + 0.2 = 2.3**

Container Type and #

Preservative Type

HEAL No.



HALL ENVIRONMENTAL ANALYSIS LAB

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87185-39514 COC

Tel. 505-345-3975 Fax 505-345-4107



Mailing Address: **3101 Boyd Drive**

Carlsbad, New Mexico 88220

Phone #: **575.725.5001**

email or Fax#:

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other _____

EDD (Type) _____

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12.10.25	12:23	Soil	BH25-07 0'	1-4oz jar			X	X					X			
12.10.25	12:30	Soil	BH25-07 1'	1-4oz jar			X	X					X			
12.10.25	12:39	Soil	BH25-07 2'	1-4oz jar			X	X					X			
12.10.25	12:45	Soil	BH25-07 3'	1-4oz jar			X	X					X			
12.10.25	13:03	Soil	BH25-53 0'	1-4oz jar			X	X					X			
12.10.25	13:14	Soil	BH25-53 2'	1-4oz jar			X	X					X			
12.10.25	13:37	Soil	BH25-54 0'	1-4oz jar			X	X					X			
12.10.25	13:50	Soil	BH25-54 2'	1-4oz jar			X	X					X			
12.10.25	13:20	Soil	BH25-55 0'	1-4oz jar			X	X					X			
12.10.25	13:29	Soil	BH25-55 2'	1-4oz jar			X	X					X			

Date: **12-11-25** Time: **0730** Relinquished by: *[Signature]*

Received by: *[Signature]* Via: _____ Date: **12/11/25** Time: **700**

Direct Bill to Mack Energy: ATTN: Matt Buckles
CC.Sally Carttar (SCarttar@vertexresource.com), permian@vertexresource.com, Sharon Minnix (SMinnix@vertexresource.com), Katrina Taylor (Katrina.Taylor@vertexresource.com), and Lakin Pullman (LPullman@vertexresource.com) for Final Report.

Date: **12/11/25** Time: **1900** Relinquished by: *[Signature]*

Received by: *[Signature]* Via: _____ Date: **12/12/25** Time: **7:40**

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: 885-39514-1

Login Number: 39514

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/29/2025 4:03:13 PM

JOB DESCRIPTION

Cornwall Federal #001H

JOB NUMBER

885-39702-1

Eurofins Albuquerque
 4901 Hawkins NE
 Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

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

Authorization



Generated
12/29/2025 4:03:13 PM

Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)338-8812

Client: Vertex
Project/Site: Cornwall Federal #001H

Laboratory Job ID: 885-39702-1



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Definitions/Glossary

Client: Vertex

Job ID: 885-39702-1

Project/Site: Cornwall Federal #001H

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: Cornwall Federal #001H

Job ID: 885-39702-1

Job ID: 885-39702-1

Eurofins Albuquerque

Job Narrative 885-39702-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/16/2025 8:15 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 1.6°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.

Eurofins Albuquerque



Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-58 0'

Lab Sample ID: 885-39702-1

Date Collected: 12/11/25 08:53

Matrix: Solid

Date Received: 12/16/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		12/17/25 15:20	12/24/25 09:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			12/17/25 15:20	12/24/25 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		12/17/25 15:20	12/24/25 09:16	1
Ethylbenzene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 09:16	1
Toluene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 09:16	1
Xylenes, Total	ND		0.098	mg/Kg		12/17/25 15:20	12/24/25 09:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			12/17/25 15:20	12/24/25 09:16	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		12/18/25 14:54	12/19/25 18:37	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/18/25 14:54	12/19/25 18:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			12/18/25 14:54	12/19/25 18:37	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		51	mg/Kg		12/19/25 12:44	12/19/25 19:43	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-58 2'

Lab Sample ID: 885-39702-2

Date Collected: 12/11/25 09:02

Matrix: Solid

Date Received: 12/16/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		12/17/25 15:20	12/24/25 10:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150			12/17/25 15:20	12/24/25 10:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		12/17/25 15:20	12/24/25 10:21	1
Ethylbenzene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 10:21	1
Toluene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 10:21	1
Xylenes, Total	ND		0.098	mg/Kg		12/17/25 15:20	12/24/25 10:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150			12/17/25 15:20	12/24/25 10:21	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		12/19/25 07:05	12/22/25 22:10	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/19/25 07:05	12/22/25 22:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			12/19/25 07:05	12/22/25 22:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	470		51	mg/Kg		12/19/25 12:44	12/19/25 20:54	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-59 0'

Lab Sample ID: 885-39702-3

Date Collected: 12/11/25 09:09

Matrix: Solid

Date Received: 12/16/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		12/17/25 15:20	12/24/25 11:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			12/17/25 15:20	12/24/25 11:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		12/17/25 15:20	12/24/25 11:26	1
Ethylbenzene	ND		0.050	mg/Kg		12/17/25 15:20	12/24/25 11:26	1
Toluene	ND		0.050	mg/Kg		12/17/25 15:20	12/24/25 11:26	1
Xylenes, Total	ND		0.10	mg/Kg		12/17/25 15:20	12/24/25 11:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			12/17/25 15:20	12/24/25 11:26	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		9.9	mg/Kg		12/19/25 07:05	12/22/25 22:21	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/19/25 07:05	12/22/25 22:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	73		62 - 134			12/19/25 07:05	12/22/25 22:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		12/19/25 12:44	12/19/25 21:36	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-59 2'

Lab Sample ID: 885-39702-4

Date Collected: 12/11/25 09:23

Matrix: Solid

Date Received: 12/16/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		12/17/25 15:20	12/24/25 11:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			12/17/25 15:20	12/24/25 11:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/17/25 15:20	12/24/25 11:48	1
Ethylbenzene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 11:48	1
Toluene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 11:48	1
Xylenes, Total	ND		0.098	mg/Kg		12/17/25 15:20	12/24/25 11:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		15 - 150			12/17/25 15:20	12/24/25 11:48	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		12/19/25 07:05	12/22/25 22:33	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/19/25 07:05	12/22/25 22:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			12/19/25 07:05	12/22/25 22:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		51	mg/Kg		12/19/25 12:44	12/19/25 21:50	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-59 4'

Lab Sample ID: 885-39702-5

Date Collected: 12/11/25 09:34

Matrix: Solid

Date Received: 12/16/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		12/17/25 15:20	12/24/25 12:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			12/17/25 15:20	12/24/25 12:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		12/17/25 15:20	12/24/25 12:10	1
Ethylbenzene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 12:10	1
Toluene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 12:10	1
Xylenes, Total	ND		0.099	mg/Kg		12/17/25 15:20	12/24/25 12:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		15 - 150			12/17/25 15:20	12/24/25 12:10	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		12/19/25 07:05	12/22/25 22:56	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/19/25 07:05	12/22/25 22:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			12/19/25 07:05	12/22/25 22:56	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		51	mg/Kg		12/19/25 12:44	12/19/25 22:04	10

Client Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-60 0'

Lab Sample ID: 885-39702-6

Date Collected: 12/11/25 09:46

Matrix: Solid

Date Received: 12/16/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		12/17/25 15:20	12/24/25 12:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			12/17/25 15:20	12/24/25 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		12/17/25 15:20	12/24/25 12:32	1
Ethylbenzene	ND		0.050	mg/Kg		12/17/25 15:20	12/24/25 12:32	1
Toluene	ND		0.050	mg/Kg		12/17/25 15:20	12/24/25 12:32	1
Xylenes, Total	ND		0.099	mg/Kg		12/17/25 15:20	12/24/25 12:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150			12/17/25 15:20	12/24/25 12:32	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		12/19/25 07:05	12/22/25 23:08	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		12/19/25 07:05	12/22/25 23:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			12/19/25 07:05	12/22/25 23:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70		51	mg/Kg		12/19/25 12:44	12/19/25 22:19	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-60 1'

Lab Sample ID: 885-39702-7

Date Collected: 12/11/25 09:50

Matrix: Solid

Date Received: 12/16/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		12/17/25 15:20	12/24/25 12:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			12/17/25 15:20	12/24/25 12:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/17/25 15:20	12/24/25 12:53	1
Ethylbenzene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 12:53	1
Toluene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 12:53	1
Xylenes, Total	ND		0.098	mg/Kg		12/17/25 15:20	12/24/25 12:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			12/17/25 15:20	12/24/25 12:53	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		12/19/25 07:05	12/22/25 23:20	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/19/25 07:05	12/22/25 23:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			12/19/25 07:05	12/22/25 23:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76		50	mg/Kg		12/19/25 12:44	12/19/25 22:33	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-61 0'

Lab Sample ID: 885-39702-8

Date Collected: 12/11/25 10:05

Matrix: Solid

Date Received: 12/16/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		12/17/25 15:20	12/24/25 13:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			12/17/25 15:20	12/24/25 13:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/17/25 15:20	12/24/25 13:15	1
Ethylbenzene	ND		0.048	mg/Kg		12/17/25 15:20	12/24/25 13:15	1
Toluene	ND		0.048	mg/Kg		12/17/25 15:20	12/24/25 13:15	1
Xylenes, Total	ND		0.096	mg/Kg		12/17/25 15:20	12/24/25 13:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			12/17/25 15:20	12/24/25 13:15	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		12/19/25 07:05	12/22/25 23:32	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/19/25 07:05	12/22/25 23:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	71		62 - 134			12/19/25 07:05	12/22/25 23:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		50	mg/Kg		12/19/25 12:44	12/19/25 23:16	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-61 2'

Lab Sample ID: 885-39702-9

Date Collected: 12/11/25 10:17

Matrix: Solid

Date Received: 12/16/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		12/17/25 15:20	12/24/25 13:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			12/17/25 15:20	12/24/25 13:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/17/25 15:20	12/24/25 13:37	1
Ethylbenzene	ND		0.048	mg/Kg		12/17/25 15:20	12/24/25 13:37	1
Toluene	ND		0.048	mg/Kg		12/17/25 15:20	12/24/25 13:37	1
Xylenes, Total	ND		0.095	mg/Kg		12/17/25 15:20	12/24/25 13:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			12/17/25 15:20	12/24/25 13:37	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		12/19/25 07:05	12/22/25 23:43	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/19/25 07:05	12/22/25 23:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	72		62 - 134			12/19/25 07:05	12/22/25 23:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		50	mg/Kg		12/19/25 12:44	12/19/25 23:29	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-62 0'

Lab Sample ID: 885-39702-10

Date Collected: 12/11/25 12:00

Matrix: Solid

Date Received: 12/16/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		12/17/25 15:20	12/24/25 13:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			12/17/25 15:20	12/24/25 13:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/17/25 15:20	12/24/25 13:59	1
Ethylbenzene	ND		0.048	mg/Kg		12/17/25 15:20	12/24/25 13:59	1
Toluene	ND		0.048	mg/Kg		12/17/25 15:20	12/24/25 13:59	1
Xylenes, Total	ND		0.097	mg/Kg		12/17/25 15:20	12/24/25 13:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			12/17/25 15:20	12/24/25 13:59	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		12/19/25 07:05	12/22/25 23:55	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/19/25 07:05	12/22/25 23:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			12/19/25 07:05	12/22/25 23:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		51	mg/Kg		12/19/25 12:44	12/19/25 23:44	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-62 2'

Lab Sample ID: 885-39702-11

Date Collected: 12/11/25 12:15

Matrix: Solid

Date Received: 12/16/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		12/17/25 15:20	12/24/25 14:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			12/17/25 15:20	12/24/25 14:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/17/25 15:20	12/24/25 14:42	1
Ethylbenzene	ND		0.048	mg/Kg		12/17/25 15:20	12/24/25 14:42	1
Toluene	ND		0.048	mg/Kg		12/17/25 15:20	12/24/25 14:42	1
Xylenes, Total	ND		0.097	mg/Kg		12/17/25 15:20	12/24/25 14:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150			12/17/25 15:20	12/24/25 14:42	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		12/19/25 07:05	12/23/25 00:06	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/19/25 07:05	12/23/25 00:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	72		62 - 134			12/19/25 07:05	12/23/25 00:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		50	mg/Kg		12/19/25 12:44	12/19/25 23:58	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-63 0'

Lab Sample ID: 885-39702-12

Date Collected: 12/12/25 08:36

Matrix: Solid

Date Received: 12/16/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		12/17/25 15:20	12/24/25 15:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			12/17/25 15:20	12/24/25 15:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/17/25 15:20	12/24/25 15:04	1
Ethylbenzene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 15:04	1
Toluene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 15:04	1
Xylenes, Total	ND		0.097	mg/Kg		12/17/25 15:20	12/24/25 15:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		15 - 150			12/17/25 15:20	12/24/25 15:04	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		12/19/25 07:05	12/23/25 00:18	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/19/25 07:05	12/23/25 00:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			12/19/25 07:05	12/23/25 00:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		51	mg/Kg		12/19/25 12:44	12/20/25 00:12	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-63 2'

Lab Sample ID: 885-39702-13

Date Collected: 12/12/25 09:12

Matrix: Solid

Date Received: 12/16/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		12/17/25 15:20	12/24/25 15:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			12/17/25 15:20	12/24/25 15:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		12/17/25 15:20	12/24/25 15:26	1
Ethylbenzene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 15:26	1
Toluene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 15:26	1
Xylenes, Total	ND		0.098	mg/Kg		12/17/25 15:20	12/24/25 15:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		15 - 150			12/17/25 15:20	12/24/25 15:26	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		12/19/25 07:05	12/23/25 00:30	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/19/25 07:05	12/23/25 00:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			12/19/25 07:05	12/23/25 00:30	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		51	mg/Kg		12/19/25 12:44	12/20/25 00:26	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-64 0'

Lab Sample ID: 885-39702-14

Date Collected: 12/12/25 11:16

Matrix: Solid

Date Received: 12/16/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		12/17/25 15:20	12/24/25 15:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150			12/17/25 15:20	12/24/25 15:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		12/17/25 15:20	12/24/25 15:47	1
Ethylbenzene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 15:47	1
Toluene	ND		0.049	mg/Kg		12/17/25 15:20	12/24/25 15:47	1
Xylenes, Total	ND		0.098	mg/Kg		12/17/25 15:20	12/24/25 15:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		15 - 150			12/17/25 15:20	12/24/25 15:47	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		9.9	mg/Kg		12/19/25 07:05	12/23/25 00:41	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/19/25 07:05	12/23/25 00:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			12/19/25 07:05	12/23/25 00:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		50	mg/Kg		12/19/25 12:44	12/20/25 00:40	10

Client Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-64 2'

Lab Sample ID: 885-39702-15

Date Collected: 12/12/25 11:28

Matrix: Solid

Date Received: 12/16/25 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		12/17/25 15:20	12/24/25 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150	12/17/25 15:20	12/24/25 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/17/25 15:20	12/24/25 16:09	1
Ethylbenzene	ND		0.048	mg/Kg		12/17/25 15:20	12/24/25 16:09	1
Toluene	ND		0.048	mg/Kg		12/17/25 15:20	12/24/25 16:09	1
Xylenes, Total	ND		0.096	mg/Kg		12/17/25 15:20	12/24/25 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		15 - 150	12/17/25 15:20	12/24/25 16:09	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		12/19/25 07:05	12/23/25 00:53	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/19/25 07:05	12/23/25 00:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134	12/19/25 07:05	12/23/25 00:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390		51	mg/Kg		12/19/25 12:44	12/20/25 00:54	10

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

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

Lab Sample ID: MB 885-40108/1-A
Matrix: Solid
Analysis Batch: 40429

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40108

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		12/17/25 15:20	12/24/25 08:54	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			12/17/25 15:20	12/24/25 08:54	1

Lab Sample ID: LCS 885-40108/2-A
Matrix: Solid
Analysis Batch: 40429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40108

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	21.2		mg/Kg		85	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	189		15 - 150				

Lab Sample ID: 885-39702-1 MS
Matrix: Solid
Analysis Batch: 40429

Client Sample ID: BH25-58 0'
Prep Type: Total/NA
Prep Batch: 40108

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	ND		24.5	19.8		mg/Kg		81	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	185		15 - 150						

Lab Sample ID: 885-39702-1 MSD
Matrix: Solid
Analysis Batch: 40429

Client Sample ID: BH25-58 0'
Prep Type: Total/NA
Prep Batch: 40108

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		24.4	18.7		mg/Kg		76	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	186		15 - 150								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-40108/1-A
Matrix: Solid
Analysis Batch: 40428

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40108

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		12/17/25 15:20	12/24/25 08:54	1
Ethylbenzene	ND		0.050	mg/Kg		12/17/25 15:20	12/24/25 08:54	1
Toluene	ND		0.050	mg/Kg		12/17/25 15:20	12/24/25 08:54	1

Eurofins Albuquerque

QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

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

Lab Sample ID: MB 885-40108/1-A
Matrix: Solid
Analysis Batch: 40428

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40108

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Xylenes, Total	ND		0.10	mg/Kg		12/17/25 15:20	12/24/25 08:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			12/17/25 15:20	12/24/25 08:54	1

Lab Sample ID: LCS 885-40108/3-A
Matrix: Solid
Analysis Batch: 40428

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40108

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	1.00	0.889		mg/Kg		89	70 - 130
Ethylbenzene	1.00	0.903		mg/Kg		90	70 - 130
m,p-Xylene	2.00	1.80		mg/Kg		90	70 - 130
o-Xylene	1.00	0.909		mg/Kg		91	70 - 130
Toluene	1.00	0.901		mg/Kg		90	70 - 130
Xylenes, Total	3.00	2.71		mg/Kg		90	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	90		15 - 150				

Lab Sample ID: 885-39702-2 MS
Matrix: Solid
Analysis Batch: 40428

Client Sample ID: BH25-58 2'
Prep Type: Total/NA
Prep Batch: 40108

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	ND		0.978	0.843		mg/Kg		86	70 - 130
Ethylbenzene	ND		0.978	0.846		mg/Kg		86	70 - 130
m,p-Xylene	ND		1.96	1.68		mg/Kg		86	70 - 130
o-Xylene	ND		0.978	0.855		mg/Kg		87	70 - 130
Toluene	ND		0.978	0.837		mg/Kg		86	70 - 130
Xylenes, Total	ND		2.94	2.54		mg/Kg		86	70 - 130
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	90		15 - 150						

Lab Sample ID: 885-39702-2 MSD
Matrix: Solid
Analysis Batch: 40428

Client Sample ID: BH25-58 2'
Prep Type: Total/NA
Prep Batch: 40108

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	ND		0.977	0.822		mg/Kg		84	70 - 130	3	20
Ethylbenzene	ND		0.977	0.820		mg/Kg		84	70 - 130	3	20
m,p-Xylene	ND		1.95	1.66		mg/Kg		85	70 - 130	1	20
o-Xylene	ND		0.977	0.839		mg/Kg		86	70 - 130	2	20
Toluene	ND		0.977	0.827		mg/Kg		85	70 - 130	1	20
Xylenes, Total	ND		2.93	2.50		mg/Kg		85	70 - 130	1	20

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

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

Lab Sample ID: 885-39702-2 MSD
Matrix: Solid
Analysis Batch: 40428

Client Sample ID: BH25-58 2'
Prep Type: Total/NA
Prep Batch: 40108

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		15 - 150

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

Lab Sample ID: MB 885-40176/1-A
Matrix: Solid
Analysis Batch: 40210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40176

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/18/25 14:54	12/19/25 11:15	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/18/25 14:54	12/19/25 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134	12/18/25 14:54	12/19/25 11:15	1

Lab Sample ID: LCS 885-40176/2-A
Matrix: Solid
Analysis Batch: 40210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	45.5		mg/Kg		91	51 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	101		62 - 134

Lab Sample ID: MB 885-40199/1-A
Matrix: Solid
Analysis Batch: 40303

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40199

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/19/25 07:05	12/22/25 20:36	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/19/25 07:05	12/22/25 20:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134	12/19/25 07:05	12/22/25 20:36	1

Lab Sample ID: LCS 885-40199/2-A
Matrix: Solid
Analysis Batch: 40303

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	49.4		mg/Kg		99	51 - 148

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

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QC Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-40232/1-A
 Matrix: Solid
 Analysis Batch: 40215

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 40232

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		12/19/25 12:44	12/19/25 19:15	1

Lab Sample ID: LCS 885-40232/2-A
 Matrix: Solid
 Analysis Batch: 40215

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 40232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.7	48.9		mg/Kg		99	90 - 110

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QC Association Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

GC VOA

Prep Batch: 40108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39702-1	BH25-58 0'	Total/NA	Solid	5030C	
885-39702-2	BH25-58 2'	Total/NA	Solid	5030C	
885-39702-3	BH25-59 0'	Total/NA	Solid	5030C	
885-39702-4	BH25-59 2'	Total/NA	Solid	5030C	
885-39702-5	BH25-59 4'	Total/NA	Solid	5030C	
885-39702-6	BH25-60 0'	Total/NA	Solid	5030C	
885-39702-7	BH25-60 1'	Total/NA	Solid	5030C	
885-39702-8	BH25-61 0'	Total/NA	Solid	5030C	
885-39702-9	BH25-61 2'	Total/NA	Solid	5030C	
885-39702-10	BH25-62 0'	Total/NA	Solid	5030C	
885-39702-11	BH25-62 2'	Total/NA	Solid	5030C	
885-39702-12	BH25-63 0'	Total/NA	Solid	5030C	
885-39702-13	BH25-63 2'	Total/NA	Solid	5030C	
885-39702-14	BH25-64 0'	Total/NA	Solid	5030C	
885-39702-15	BH25-64 2'	Total/NA	Solid	5030C	
MB 885-40108/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-40108/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-40108/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-39702-1 MS	BH25-58 0'	Total/NA	Solid	5030C	
885-39702-1 MSD	BH25-58 0'	Total/NA	Solid	5030C	
885-39702-2 MS	BH25-58 2'	Total/NA	Solid	5030C	
885-39702-2 MSD	BH25-58 2'	Total/NA	Solid	5030C	

Analysis Batch: 40428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39702-1	BH25-58 0'	Total/NA	Solid	8021B	40108
885-39702-2	BH25-58 2'	Total/NA	Solid	8021B	40108
885-39702-3	BH25-59 0'	Total/NA	Solid	8021B	40108
885-39702-4	BH25-59 2'	Total/NA	Solid	8021B	40108
885-39702-5	BH25-59 4'	Total/NA	Solid	8021B	40108
885-39702-6	BH25-60 0'	Total/NA	Solid	8021B	40108
885-39702-7	BH25-60 1'	Total/NA	Solid	8021B	40108
885-39702-8	BH25-61 0'	Total/NA	Solid	8021B	40108
885-39702-9	BH25-61 2'	Total/NA	Solid	8021B	40108
885-39702-10	BH25-62 0'	Total/NA	Solid	8021B	40108
885-39702-11	BH25-62 2'	Total/NA	Solid	8021B	40108
885-39702-12	BH25-63 0'	Total/NA	Solid	8021B	40108
885-39702-13	BH25-63 2'	Total/NA	Solid	8021B	40108
885-39702-14	BH25-64 0'	Total/NA	Solid	8021B	40108
885-39702-15	BH25-64 2'	Total/NA	Solid	8021B	40108
MB 885-40108/1-A	Method Blank	Total/NA	Solid	8021B	40108
LCS 885-40108/3-A	Lab Control Sample	Total/NA	Solid	8021B	40108
885-39702-2 MS	BH25-58 2'	Total/NA	Solid	8021B	40108
885-39702-2 MSD	BH25-58 2'	Total/NA	Solid	8021B	40108

Analysis Batch: 40429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39702-1	BH25-58 0'	Total/NA	Solid	8015M/D	40108
885-39702-2	BH25-58 2'	Total/NA	Solid	8015M/D	40108
885-39702-3	BH25-59 0'	Total/NA	Solid	8015M/D	40108
885-39702-4	BH25-59 2'	Total/NA	Solid	8015M/D	40108

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QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

GC VOA (Continued)

Analysis Batch: 40429 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39702-5	BH25-59 4'	Total/NA	Solid	8015M/D	40108
885-39702-6	BH25-60 0'	Total/NA	Solid	8015M/D	40108
885-39702-7	BH25-60 1'	Total/NA	Solid	8015M/D	40108
885-39702-8	BH25-61 0'	Total/NA	Solid	8015M/D	40108
885-39702-9	BH25-61 2'	Total/NA	Solid	8015M/D	40108
885-39702-10	BH25-62 0'	Total/NA	Solid	8015M/D	40108
885-39702-11	BH25-62 2'	Total/NA	Solid	8015M/D	40108
885-39702-12	BH25-63 0'	Total/NA	Solid	8015M/D	40108
885-39702-13	BH25-63 2'	Total/NA	Solid	8015M/D	40108
885-39702-14	BH25-64 0'	Total/NA	Solid	8015M/D	40108
885-39702-15	BH25-64 2'	Total/NA	Solid	8015M/D	40108
MB 885-40108/1-A	Method Blank	Total/NA	Solid	8015M/D	40108
LCS 885-40108/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	40108
885-39702-1 MS	BH25-58 0'	Total/NA	Solid	8015M/D	40108
885-39702-1 MSD	BH25-58 0'	Total/NA	Solid	8015M/D	40108

GC Semi VOA

Prep Batch: 40176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39702-1	BH25-58 0'	Total/NA	Solid	SHAKE	
MB 885-40176/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-40176/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 40199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39702-2	BH25-58 2'	Total/NA	Solid	SHAKE	
885-39702-3	BH25-59 0'	Total/NA	Solid	SHAKE	
885-39702-4	BH25-59 2'	Total/NA	Solid	SHAKE	
885-39702-5	BH25-59 4'	Total/NA	Solid	SHAKE	
885-39702-6	BH25-60 0'	Total/NA	Solid	SHAKE	
885-39702-7	BH25-60 1'	Total/NA	Solid	SHAKE	
885-39702-8	BH25-61 0'	Total/NA	Solid	SHAKE	
885-39702-9	BH25-61 2'	Total/NA	Solid	SHAKE	
885-39702-10	BH25-62 0'	Total/NA	Solid	SHAKE	
885-39702-11	BH25-62 2'	Total/NA	Solid	SHAKE	
885-39702-12	BH25-63 0'	Total/NA	Solid	SHAKE	
885-39702-13	BH25-63 2'	Total/NA	Solid	SHAKE	
885-39702-14	BH25-64 0'	Total/NA	Solid	SHAKE	
885-39702-15	BH25-64 2'	Total/NA	Solid	SHAKE	
MB 885-40199/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-40199/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 40210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39702-1	BH25-58 0'	Total/NA	Solid	8015M/D	40176
MB 885-40176/1-A	Method Blank	Total/NA	Solid	8015M/D	40176
LCS 885-40176/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	40176

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

GC Semi VOA

Analysis Batch: 40303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39702-2	BH25-58 2'	Total/NA	Solid	8015M/D	40199
885-39702-3	BH25-59 0'	Total/NA	Solid	8015M/D	40199
885-39702-4	BH25-59 2'	Total/NA	Solid	8015M/D	40199
885-39702-5	BH25-59 4'	Total/NA	Solid	8015M/D	40199
885-39702-6	BH25-60 0'	Total/NA	Solid	8015M/D	40199
885-39702-7	BH25-60 1'	Total/NA	Solid	8015M/D	40199
885-39702-8	BH25-61 0'	Total/NA	Solid	8015M/D	40199
885-39702-9	BH25-61 2'	Total/NA	Solid	8015M/D	40199
885-39702-10	BH25-62 0'	Total/NA	Solid	8015M/D	40199
885-39702-11	BH25-62 2'	Total/NA	Solid	8015M/D	40199
885-39702-12	BH25-63 0'	Total/NA	Solid	8015M/D	40199
885-39702-13	BH25-63 2'	Total/NA	Solid	8015M/D	40199
885-39702-14	BH25-64 0'	Total/NA	Solid	8015M/D	40199
885-39702-15	BH25-64 2'	Total/NA	Solid	8015M/D	40199
MB 885-40199/1-A	Method Blank	Total/NA	Solid	8015M/D	40199
LCS 885-40199/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	40199

HPLC/IC

Analysis Batch: 40215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39702-1	BH25-58 0'	Total/NA	Solid	300.0	40232
885-39702-2	BH25-58 2'	Total/NA	Solid	300.0	40232
885-39702-3	BH25-59 0'	Total/NA	Solid	300.0	40232
885-39702-4	BH25-59 2'	Total/NA	Solid	300.0	40232
885-39702-5	BH25-59 4'	Total/NA	Solid	300.0	40232
885-39702-6	BH25-60 0'	Total/NA	Solid	300.0	40232
885-39702-7	BH25-60 1'	Total/NA	Solid	300.0	40232
885-39702-8	BH25-61 0'	Total/NA	Solid	300.0	40232
885-39702-9	BH25-61 2'	Total/NA	Solid	300.0	40232
885-39702-10	BH25-62 0'	Total/NA	Solid	300.0	40232
885-39702-11	BH25-62 2'	Total/NA	Solid	300.0	40232
885-39702-12	BH25-63 0'	Total/NA	Solid	300.0	40232
885-39702-13	BH25-63 2'	Total/NA	Solid	300.0	40232
885-39702-14	BH25-64 0'	Total/NA	Solid	300.0	40232
885-39702-15	BH25-64 2'	Total/NA	Solid	300.0	40232
MB 885-40232/1-A	Method Blank	Total/NA	Solid	300.0	40232
LCS 885-40232/2-A	Lab Control Sample	Total/NA	Solid	300.0	40232

Prep Batch: 40232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39702-1	BH25-58 0'	Total/NA	Solid	300_Prep	
885-39702-2	BH25-58 2'	Total/NA	Solid	300_Prep	
885-39702-3	BH25-59 0'	Total/NA	Solid	300_Prep	
885-39702-4	BH25-59 2'	Total/NA	Solid	300_Prep	
885-39702-5	BH25-59 4'	Total/NA	Solid	300_Prep	
885-39702-6	BH25-60 0'	Total/NA	Solid	300_Prep	
885-39702-7	BH25-60 1'	Total/NA	Solid	300_Prep	
885-39702-8	BH25-61 0'	Total/NA	Solid	300_Prep	
885-39702-9	BH25-61 2'	Total/NA	Solid	300_Prep	
885-39702-10	BH25-62 0'	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

HPLC/IC (Continued)

Prep Batch: 40232 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39702-11	BH25-62 2'	Total/NA	Solid	300_Prep	
885-39702-12	BH25-63 0'	Total/NA	Solid	300_Prep	
885-39702-13	BH25-63 2'	Total/NA	Solid	300_Prep	
885-39702-14	BH25-64 0'	Total/NA	Solid	300_Prep	
885-39702-15	BH25-64 2'	Total/NA	Solid	300_Prep	
MB 885-40232/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-40232/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

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Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-58 0'

Lab Sample ID: 885-39702-1

Date Collected: 12/11/25 08:53

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8015M/D		1	40429	AT	EET ALB	12/24/25 09:16
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8021B		1	40428	AT	EET ALB	12/24/25 09:16
Total/NA	Prep	SHAKE			40176	EM	EET ALB	12/18/25 14:54
Total/NA	Analysis	8015M/D		1	40210	EM	EET ALB	12/19/25 18:37
Total/NA	Prep	300_Prep			40232	JR	EET ALB	12/19/25 12:44
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/19/25 19:43

Client Sample ID: BH25-58 2'

Lab Sample ID: 885-39702-2

Date Collected: 12/11/25 09:02

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8015M/D		1	40429	AT	EET ALB	12/24/25 10:21
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8021B		1	40428	AT	EET ALB	12/24/25 10:21
Total/NA	Prep	SHAKE			40199	JM	EET ALB	12/19/25 07:05
Total/NA	Analysis	8015M/D		1	40303	EM	EET ALB	12/22/25 22:10
Total/NA	Prep	300_Prep			40232	JR	EET ALB	12/19/25 12:44
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/19/25 20:54

Client Sample ID: BH25-59 0'

Lab Sample ID: 885-39702-3

Date Collected: 12/11/25 09:09

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8015M/D		1	40429	AT	EET ALB	12/24/25 11:26
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8021B		1	40428	AT	EET ALB	12/24/25 11:26
Total/NA	Prep	SHAKE			40199	JM	EET ALB	12/19/25 07:05
Total/NA	Analysis	8015M/D		1	40303	EM	EET ALB	12/22/25 22:21
Total/NA	Prep	300_Prep			40232	JR	EET ALB	12/19/25 12:44
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/19/25 21:36

Client Sample ID: BH25-59 2'

Lab Sample ID: 885-39702-4

Date Collected: 12/11/25 09:23

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8015M/D		1	40429	AT	EET ALB	12/24/25 11:48

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-59 2'

Lab Sample ID: 885-39702-4

Date Collected: 12/11/25 09:23

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8021B		1	40428	AT	EET ALB	12/24/25 11:48
Total/NA	Prep	SHAKE			40199	JM	EET ALB	12/19/25 07:05
Total/NA	Analysis	8015M/D		1	40303	EM	EET ALB	12/22/25 22:33
Total/NA	Prep	300_Prep			40232	JR	EET ALB	12/19/25 12:44
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/19/25 21:50

Client Sample ID: BH25-59 4'

Lab Sample ID: 885-39702-5

Date Collected: 12/11/25 09:34

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8015M/D		1	40429	AT	EET ALB	12/24/25 12:10
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8021B		1	40428	AT	EET ALB	12/24/25 12:10
Total/NA	Prep	SHAKE			40199	JM	EET ALB	12/19/25 07:05
Total/NA	Analysis	8015M/D		1	40303	EM	EET ALB	12/22/25 22:56
Total/NA	Prep	300_Prep			40232	JR	EET ALB	12/19/25 12:44
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/19/25 22:04

Client Sample ID: BH25-60 0'

Lab Sample ID: 885-39702-6

Date Collected: 12/11/25 09:46

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8015M/D		1	40429	AT	EET ALB	12/24/25 12:32
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8021B		1	40428	AT	EET ALB	12/24/25 12:32
Total/NA	Prep	SHAKE			40199	JM	EET ALB	12/19/25 07:05
Total/NA	Analysis	8015M/D		1	40303	EM	EET ALB	12/22/25 23:08
Total/NA	Prep	300_Prep			40232	JR	EET ALB	12/19/25 12:44
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/19/25 22:19

Client Sample ID: BH25-60 1'

Lab Sample ID: 885-39702-7

Date Collected: 12/11/25 09:50

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8015M/D		1	40429	AT	EET ALB	12/24/25 12:53
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8021B		1	40428	AT	EET ALB	12/24/25 12:53

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-60 1'

Lab Sample ID: 885-39702-7

Date Collected: 12/11/25 09:50

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			40199	JM	EET ALB	12/19/25 07:05
Total/NA	Analysis	8015M/D		1	40303	EM	EET ALB	12/22/25 23:20
Total/NA	Prep	300_Prep			40232	JR	EET ALB	12/19/25 12:44
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/19/25 22:33

Client Sample ID: BH25-61 0'

Lab Sample ID: 885-39702-8

Date Collected: 12/11/25 10:05

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8015M/D		1	40429	AT	EET ALB	12/24/25 13:15
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8021B		1	40428	AT	EET ALB	12/24/25 13:15
Total/NA	Prep	SHAKE			40199	JM	EET ALB	12/19/25 07:05
Total/NA	Analysis	8015M/D		1	40303	EM	EET ALB	12/22/25 23:32
Total/NA	Prep	300_Prep			40232	JR	EET ALB	12/19/25 12:44
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/19/25 23:16

Client Sample ID: BH25-61 2'

Lab Sample ID: 885-39702-9

Date Collected: 12/11/25 10:17

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8015M/D		1	40429	AT	EET ALB	12/24/25 13:37
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8021B		1	40428	AT	EET ALB	12/24/25 13:37
Total/NA	Prep	SHAKE			40199	JM	EET ALB	12/19/25 07:05
Total/NA	Analysis	8015M/D		1	40303	EM	EET ALB	12/22/25 23:43
Total/NA	Prep	300_Prep			40232	JR	EET ALB	12/19/25 12:44
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/19/25 23:29

Client Sample ID: BH25-62 0'

Lab Sample ID: 885-39702-10

Date Collected: 12/11/25 12:00

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8015M/D		1	40429	AT	EET ALB	12/24/25 13:59
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8021B		1	40428	AT	EET ALB	12/24/25 13:59
Total/NA	Prep	SHAKE			40199	JM	EET ALB	12/19/25 07:05
Total/NA	Analysis	8015M/D		1	40303	EM	EET ALB	12/22/25 23:55

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-62 0'

Lab Sample ID: 885-39702-10

Date Collected: 12/11/25 12:00

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			40232	JR	EET ALB	12/19/25 12:44
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/19/25 23:44

Client Sample ID: BH25-62 2'

Lab Sample ID: 885-39702-11

Date Collected: 12/11/25 12:15

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8015M/D		1	40429	AT	EET ALB	12/24/25 14:42
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8021B		1	40428	AT	EET ALB	12/24/25 14:42
Total/NA	Prep	SHAKE			40199	JM	EET ALB	12/19/25 07:05
Total/NA	Analysis	8015M/D		1	40303	EM	EET ALB	12/23/25 00:06
Total/NA	Prep	300_Prep			40232	JR	EET ALB	12/19/25 12:44
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/19/25 23:58

Client Sample ID: BH25-63 0'

Lab Sample ID: 885-39702-12

Date Collected: 12/12/25 08:36

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8015M/D		1	40429	AT	EET ALB	12/24/25 15:04
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8021B		1	40428	AT	EET ALB	12/24/25 15:04
Total/NA	Prep	SHAKE			40199	JM	EET ALB	12/19/25 07:05
Total/NA	Analysis	8015M/D		1	40303	EM	EET ALB	12/23/25 00:18
Total/NA	Prep	300_Prep			40232	JR	EET ALB	12/19/25 12:44
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/20/25 00:12

Client Sample ID: BH25-63 2'

Lab Sample ID: 885-39702-13

Date Collected: 12/12/25 09:12

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8015M/D		1	40429	AT	EET ALB	12/24/25 15:26
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8021B		1	40428	AT	EET ALB	12/24/25 15:26
Total/NA	Prep	SHAKE			40199	JM	EET ALB	12/19/25 07:05
Total/NA	Analysis	8015M/D		1	40303	EM	EET ALB	12/23/25 00:30
Total/NA	Prep	300_Prep			40232	JR	EET ALB	12/19/25 12:44
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/20/25 00:26

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

Client Sample ID: BH25-64 0'

Lab Sample ID: 885-39702-14

Date Collected: 12/12/25 11:16

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8015M/D		1	40429	AT	EET ALB	12/24/25 15:47
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8021B		1	40428	AT	EET ALB	12/24/25 15:47
Total/NA	Prep	SHAKE			40199	JM	EET ALB	12/19/25 07:05
Total/NA	Analysis	8015M/D		1	40303	EM	EET ALB	12/23/25 00:41
Total/NA	Prep	300_Prep			40232	JR	EET ALB	12/19/25 12:44
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/20/25 00:40

Client Sample ID: BH25-64 2'

Lab Sample ID: 885-39702-15

Date Collected: 12/12/25 11:28

Matrix: Solid

Date Received: 12/16/25 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8015M/D		1	40429	AT	EET ALB	12/24/25 16:09
Total/NA	Prep	5030C			40108	VP	EET ALB	12/17/25 15:20
Total/NA	Analysis	8021B		1	40428	AT	EET ALB	12/24/25 16:09
Total/NA	Prep	SHAKE			40199	JM	EET ALB	12/19/25 07:05
Total/NA	Analysis	8015M/D		1	40303	EM	EET ALB	12/23/25 00:53
Total/NA	Prep	300_Prep			40232	JR	EET ALB	12/19/25 12:44
Total/NA	Analysis	300.0		10	40215	EH	EET ALB	12/20/25 00:54

Laboratory References:

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

Accreditation/Certification Summary

Client: Vertex
 Project/Site: Cornwall Federal #001H

Job ID: 885-39702-1

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	02-25-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics [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	02-25-26



Chain-of-Custody Record

Client: **Vertex (bill to Mack Energy, Matt Buckles)**

Mailing Address: 3101 Boyd Drive
Carlsbad, New Mexico 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 5-day rush

Project Name:

Cornwall Federal #001H

Project #:

25A-05756

Project Manager:

Sally Carttar

SCarttar@vertexresource.com

Sampler: L. Pullman

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF):

1.3 Ho. 3 = 1.6 Abby

Container Type and #

Preservative Type

HEAL No.



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87106

Tel. 505-345-3975 Fax 505-345-4107



885-39702 COC

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12.11.25	8:53	Soil	BH25-58 0'	1-4oz jar			X	X					X			
12.11.25	9:02	Soil	BH25-58 2'	1-4oz jar			X	X					X			
12.11.25	9:09	Soil	BH25-59 0'	1-4oz jar			X	X					X			
12.11.25	9:23	Soil	BH25-59 2'	1-4oz jar			X	X					X			
12.11.25	9:34	Soil	BH25-59 4'	1-4oz jar			X	X					X			
12.11.25	9:46	Soil	BH25-60 0'	1-4oz jar			X	X					X			
12.11.25	9:50	Soil	BH25-60 1'	1-4oz jar			X	X					X			
12.11.25	10:05	Soil	BH25-61 0'	1-4oz jar			X	X					X			
12.11.25	10:17	Soil	BH25-61 2'	1-4oz jar			X	X					X			
12.11.25	12:00	Soil	BH25-62 0'	1-4oz jar			X	X					X			
12.11.25	12:15	Soil	BH25-62 2'	1-4oz jar			X	X					X			
12.12.25	8:36	Soil	BH25-63 0'	1-4oz jar			X	X					X			

Date: 12-16-25 Time: 0700 Relinquished by: *Sally Carttar*

Received by: *L. Pullman* Via: *Imaging* Date: 12/15/25 Time: 700

Date: 12/15/25 Time: 1900 Relinquished by: *L. Pullman*

Received by: *L. Pullman* Via: *Imaging* Date: 12/16/25 Time: 8:15

Direct Bill to Mack Energy: ATTN: Matt Buckles
CC: Sally Carttar (SCarttar@vertexresource.com), permian@vertexresource.com, Sharon Minnix (SMinnix@vertexresource.com), Katrina Taylor (Katrina.Taylor@vertexresource.com), and Lakin Pullman (LPullman@vertexresource.com) for Final Report.

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: 885-39702-1

Login Number: 39702

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

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- 11

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/17/2026 4:47:49 PM

JOB DESCRIPTION

Cornwall Federal #001

JOB NUMBER

885-43082-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109




Eurofins Albuquerque

Job Notes

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

Authorization



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2/17/2026 4:47:49 PM

Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)338-8812

Client: Vertex
Project/Site: Cornwall Federal #001

Laboratory Job ID: 885-43082-1



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Definitions/Glossary

Client: Vertex

Job ID: 885-43082-1

Project/Site: Cornwall Federal #001

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: Cornwall Federal #001

Job ID: 885-43082-1

Job ID: 885-43082-1

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Job Narrative 885-43082-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 2/11/2026 7:45 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 0.5°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.

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Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

Client Sample ID: BH26-65 0'

Lab Sample ID: 885-43082-1

Date Collected: 02/09/26 11:50

Matrix: Solid

Date Received: 02/11/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		02/11/26 14:06	02/15/26 15:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			02/11/26 14:06	02/15/26 15:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/11/26 14:06	02/15/26 15:22	1
Ethylbenzene	ND		0.049	mg/Kg		02/11/26 14:06	02/15/26 15:22	1
Toluene	ND		0.049	mg/Kg		02/11/26 14:06	02/15/26 15:22	1
Xylenes, Total	ND		0.098	mg/Kg		02/11/26 14:06	02/15/26 15:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150			02/11/26 14:06	02/15/26 15:22	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		02/12/26 15:03	02/14/26 02:07	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/12/26 15:03	02/14/26 02:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			02/12/26 15:03	02/14/26 02:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/13/26 09:55	02/13/26 15:25	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

Client Sample ID: BH26-65 1'

Lab Sample ID: 885-43082-2

Date Collected: 02/09/26 12:10

Matrix: Solid

Date Received: 02/11/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6	mg/Kg		02/11/26 14:06	02/15/26 15:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			02/11/26 14:06	02/15/26 15:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/11/26 14:06	02/15/26 15:46	1
Ethylbenzene	ND		0.046	mg/Kg		02/11/26 14:06	02/15/26 15:46	1
Toluene	ND		0.046	mg/Kg		02/11/26 14:06	02/15/26 15:46	1
Xylenes, Total	ND		0.092	mg/Kg		02/11/26 14:06	02/15/26 15:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150			02/11/26 14:06	02/15/26 15:46	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		9.9	mg/Kg		02/12/26 15:03	02/14/26 02:18	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/12/26 15:03	02/14/26 02:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			02/12/26 15:03	02/14/26 02:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		02/13/26 09:55	02/13/26 15:56	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

Client Sample ID: BH26-66 0'

Lab Sample ID: 885-43082-3

Date Collected: 02/09/26 12:55

Matrix: Solid

Date Received: 02/11/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		02/11/26 14:06	02/15/26 16:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			02/11/26 14:06	02/15/26 16:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/11/26 14:06	02/15/26 16:11	1
Ethylbenzene	ND		0.047	mg/Kg		02/11/26 14:06	02/15/26 16:11	1
Toluene	ND		0.047	mg/Kg		02/11/26 14:06	02/15/26 16:11	1
Xylenes, Total	ND		0.093	mg/Kg		02/11/26 14:06	02/15/26 16:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			02/11/26 14:06	02/15/26 16:11	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]	100		9.6	mg/Kg		02/12/26 15:03	02/14/26 02:29	1
Motor Oil Range Organics [C28-C40]	50		48	mg/Kg		02/12/26 15:03	02/14/26 02:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	72		62 - 134			02/12/26 15:03	02/14/26 02:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		02/15/26 11:06	02/15/26 21:00	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

Client Sample ID: BH26-66 1'

Lab Sample ID: 885-43082-4

Date Collected: 02/09/26 13:10

Matrix: Solid

Date Received: 02/11/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		02/11/26 14:06	02/15/26 16:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			02/11/26 14:06	02/15/26 16:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/11/26 14:06	02/15/26 16:35	1
Ethylbenzene	ND		0.049	mg/Kg		02/11/26 14:06	02/15/26 16:35	1
Toluene	ND		0.049	mg/Kg		02/11/26 14:06	02/15/26 16:35	1
Xylenes, Total	ND		0.097	mg/Kg		02/11/26 14:06	02/15/26 16:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150			02/11/26 14:06	02/15/26 16:35	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		9.5	mg/Kg		02/12/26 15:03	02/14/26 02:41	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/12/26 15:03	02/14/26 02:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			02/12/26 15:03	02/14/26 02:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/15/26 11:06	02/15/26 21:14	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

Client Sample ID: BH26-67 0'

Lab Sample ID: 885-43082-5

Date Collected: 02/09/26 12:15

Matrix: Solid

Date Received: 02/11/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		02/11/26 14:06	02/15/26 16:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			02/11/26 14:06	02/15/26 16:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/11/26 14:06	02/15/26 16:59	1
Ethylbenzene	ND		0.050	mg/Kg		02/11/26 14:06	02/15/26 16:59	1
Toluene	ND		0.050	mg/Kg		02/11/26 14:06	02/15/26 16:59	1
Xylenes, Total	ND		0.10	mg/Kg		02/11/26 14:06	02/15/26 16:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		15 - 150			02/11/26 14:06	02/15/26 16:59	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		02/12/26 15:03	02/14/26 02:52	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/12/26 15:03	02/14/26 02:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			02/12/26 15:03	02/14/26 02:52	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/15/26 11:06	02/15/26 21:28	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

Client Sample ID: BH26-67 1'

Lab Sample ID: 885-43082-6

Date Collected: 02/09/26 12:30

Matrix: Solid

Date Received: 02/11/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		02/11/26 14:06	02/15/26 17:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			02/11/26 14:06	02/15/26 17:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/11/26 14:06	02/15/26 17:24	1
Ethylbenzene	ND		0.049	mg/Kg		02/11/26 14:06	02/15/26 17:24	1
Toluene	ND		0.049	mg/Kg		02/11/26 14:06	02/15/26 17:24	1
Xylenes, Total	ND		0.097	mg/Kg		02/11/26 14:06	02/15/26 17:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150			02/11/26 14:06	02/15/26 17:24	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		9.3	mg/Kg		02/12/26 15:03	02/14/26 03:03	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		02/12/26 15:03	02/14/26 03:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			02/12/26 15:03	02/14/26 03:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/15/26 11:06	02/15/26 21:42	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

Client Sample ID: BH26-68 0'

Lab Sample ID: 885-43082-7

Date Collected: 02/09/26 12:35

Matrix: Solid

Date Received: 02/11/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		02/11/26 14:06	02/15/26 18:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			02/11/26 14:06	02/15/26 18:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/11/26 14:06	02/15/26 18:12	1
Ethylbenzene	ND		0.047	mg/Kg		02/11/26 14:06	02/15/26 18:12	1
Toluene	ND		0.047	mg/Kg		02/11/26 14:06	02/15/26 18:12	1
Xylenes, Total	ND		0.094	mg/Kg		02/11/26 14:06	02/15/26 18:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150			02/11/26 14:06	02/15/26 18:12	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		02/12/26 15:03	02/14/26 03:15	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/12/26 15:03	02/14/26 03:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			02/12/26 15:03	02/14/26 03:15	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/15/26 11:06	02/15/26 22:25	10

Client Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

Client Sample ID: BH26-68 1'

Lab Sample ID: 885-43082-8

Date Collected: 02/09/26 12:50

Matrix: Solid

Date Received: 02/11/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		02/11/26 14:06	02/15/26 18:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			02/11/26 14:06	02/15/26 18:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/11/26 14:06	02/15/26 18:37	1
Ethylbenzene	ND		0.049	mg/Kg		02/11/26 14:06	02/15/26 18:37	1
Toluene	ND		0.049	mg/Kg		02/11/26 14:06	02/15/26 18:37	1
Xylenes, Total	ND		0.098	mg/Kg		02/11/26 14:06	02/15/26 18:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			02/11/26 14:06	02/15/26 18:37	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		9.9	mg/Kg		02/12/26 15:03	02/14/26 03:37	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		02/12/26 15:03	02/14/26 03:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			02/12/26 15:03	02/14/26 03:37	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/15/26 11:06	02/15/26 22:39	10

QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

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

Lab Sample ID: MB 885-42932/1-A
Matrix: Solid
Analysis Batch: 43134

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42932

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		02/11/26 14:06	02/15/26 08:39	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		15 - 150			02/11/26 14:06	02/15/26 08:39	1

Lab Sample ID: LCS 885-42932/2-A
Matrix: Solid
Analysis Batch: 43134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42932

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	23.2		mg/Kg		93	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	178		15 - 150				

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-42932/1-A
Matrix: Solid
Analysis Batch: 43135

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42932

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/11/26 14:06	02/15/26 08:39	1
Ethylbenzene	ND		0.050	mg/Kg		02/11/26 14:06	02/15/26 08:39	1
Toluene	ND		0.050	mg/Kg		02/11/26 14:06	02/15/26 08:39	1
Xylenes, Total	ND		0.10	mg/Kg		02/11/26 14:06	02/15/26 08:39	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		15 - 150			02/11/26 14:06	02/15/26 08:39	1

Lab Sample ID: LCS 885-42932/3-A
Matrix: Solid
Analysis Batch: 43135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42932

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.975		mg/Kg		97	70 - 130
Ethylbenzene	1.00	0.955		mg/Kg		96	70 - 130
m,p-Xylene	2.00	1.95		mg/Kg		98	70 - 130
o-Xylene	1.00	0.933		mg/Kg		93	70 - 130
Toluene	1.00	1.00		mg/Kg		100	70 - 130
Xylenes, Total	3.00	2.88		mg/Kg		96	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	80		15 - 150				

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QC Sample Results

Client: Vertex
Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

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

Lab Sample ID: MB 885-43026/1-A
Matrix: Solid
Analysis Batch: 43077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43026

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/12/26 15:03	02/13/26 23:39	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/12/26 15:03	02/13/26 23:39	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			02/12/26 15:03	02/13/26 23:39	1

Lab Sample ID: LCS 885-43026/2-A
Matrix: Solid
Analysis Batch: 43077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	50.3		mg/Kg		101	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	89		62 - 134				

Lab Sample ID: 885-43082-8 MS
Matrix: Solid
Analysis Batch: 43077

Client Sample ID: BH26-68 1'
Prep Type: Total/NA
Prep Batch: 43026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		46.8	49.4		mg/Kg		106	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	92		62 - 134						

Lab Sample ID: 885-43082-8 MSD
Matrix: Solid
Analysis Batch: 43077

Client Sample ID: BH26-68 1'
Prep Type: Total/NA
Prep Batch: 43026

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	49.6		mg/Kg		100	44 - 136	0	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	89		62 - 134								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-43076/1-A
Matrix: Solid
Analysis Batch: 43079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43076

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		02/13/26 09:55	02/13/26 11:17	1

Eurofins Albuquerque

QC Sample Results

Client: Vertex
 Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-43076/2-A
 Matrix: Solid
 Analysis Batch: 43079

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 43076

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.8	49.3		mg/Kg		99	90 - 110

Lab Sample ID: 885-43082-1 MS
 Matrix: Solid
 Analysis Batch: 43079

Client Sample ID: BH26-65 0'
 Prep Type: Total/NA
 Prep Batch: 43076

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		50.3	53.3		mg/Kg		106	50 - 150

Lab Sample ID: 885-43082-1 MSD
 Matrix: Solid
 Analysis Batch: 43079

Client Sample ID: BH26-65 0'
 Prep Type: Total/NA
 Prep Batch: 43076

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		50.3	52.7		mg/Kg		105	50 - 150	1	20

Lab Sample ID: 885-43082-2 MS
 Matrix: Solid
 Analysis Batch: 43079

Client Sample ID: BH26-65 1'
 Prep Type: Total/NA
 Prep Batch: 43076

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		50.3	63.8		mg/Kg		127	50 - 150

Lab Sample ID: 885-43082-2 MSD
 Matrix: Solid
 Analysis Batch: 43079

Client Sample ID: BH26-65 1'
 Prep Type: Total/NA
 Prep Batch: 43076

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		50.2	62.8		mg/Kg		125	50 - 150	2	20

Lab Sample ID: MB 885-43137/1-A
 Matrix: Solid
 Analysis Batch: 43138

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 43137

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		02/15/26 11:06	02/15/26 11:27	1

Lab Sample ID: LCS 885-43137/2-A
 Matrix: Solid
 Analysis Batch: 43138

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 43137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.5	49.5		mg/Kg		100	90 - 110

Eurofins Albuquerque

QC Association Summary

Client: Vertex
 Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

GC VOA

Prep Batch: 42932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43082-1	BH26-65 0'	Total/NA	Solid	5030C	
885-43082-2	BH26-65 1'	Total/NA	Solid	5030C	
885-43082-3	BH26-66 0'	Total/NA	Solid	5030C	
885-43082-4	BH26-66 1'	Total/NA	Solid	5030C	
885-43082-5	BH26-67 0'	Total/NA	Solid	5030C	
885-43082-6	BH26-67 1'	Total/NA	Solid	5030C	
885-43082-7	BH26-68 0'	Total/NA	Solid	5030C	
885-43082-8	BH26-68 1'	Total/NA	Solid	5030C	
MB 885-42932/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-42932/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-42932/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 43134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43082-1	BH26-65 0'	Total/NA	Solid	8015M/D	42932
885-43082-2	BH26-65 1'	Total/NA	Solid	8015M/D	42932
885-43082-3	BH26-66 0'	Total/NA	Solid	8015M/D	42932
885-43082-4	BH26-66 1'	Total/NA	Solid	8015M/D	42932
885-43082-5	BH26-67 0'	Total/NA	Solid	8015M/D	42932
885-43082-6	BH26-67 1'	Total/NA	Solid	8015M/D	42932
885-43082-7	BH26-68 0'	Total/NA	Solid	8015M/D	42932
885-43082-8	BH26-68 1'	Total/NA	Solid	8015M/D	42932
MB 885-42932/1-A	Method Blank	Total/NA	Solid	8015M/D	42932
LCS 885-42932/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	42932

Analysis Batch: 43135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43082-1	BH26-65 0'	Total/NA	Solid	8021B	42932
885-43082-2	BH26-65 1'	Total/NA	Solid	8021B	42932
885-43082-3	BH26-66 0'	Total/NA	Solid	8021B	42932
885-43082-4	BH26-66 1'	Total/NA	Solid	8021B	42932
885-43082-5	BH26-67 0'	Total/NA	Solid	8021B	42932
885-43082-6	BH26-67 1'	Total/NA	Solid	8021B	42932
885-43082-7	BH26-68 0'	Total/NA	Solid	8021B	42932
885-43082-8	BH26-68 1'	Total/NA	Solid	8021B	42932
MB 885-42932/1-A	Method Blank	Total/NA	Solid	8021B	42932
LCS 885-42932/3-A	Lab Control Sample	Total/NA	Solid	8021B	42932

GC Semi VOA

Prep Batch: 43026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43082-1	BH26-65 0'	Total/NA	Solid	SHAKE	
885-43082-2	BH26-65 1'	Total/NA	Solid	SHAKE	
885-43082-3	BH26-66 0'	Total/NA	Solid	SHAKE	
885-43082-4	BH26-66 1'	Total/NA	Solid	SHAKE	
885-43082-5	BH26-67 0'	Total/NA	Solid	SHAKE	
885-43082-6	BH26-67 1'	Total/NA	Solid	SHAKE	
885-43082-7	BH26-68 0'	Total/NA	Solid	SHAKE	
885-43082-8	BH26-68 1'	Total/NA	Solid	SHAKE	
MB 885-43026/1-A	Method Blank	Total/NA	Solid	SHAKE	

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QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

GC Semi VOA (Continued)

Prep Batch: 43026 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-43026/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-43082-8 MS	BH26-68 1'	Total/NA	Solid	SHAKE	
885-43082-8 MSD	BH26-68 1'	Total/NA	Solid	SHAKE	

Analysis Batch: 43077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43082-1	BH26-65 0'	Total/NA	Solid	8015M/D	43026
885-43082-2	BH26-65 1'	Total/NA	Solid	8015M/D	43026
885-43082-3	BH26-66 0'	Total/NA	Solid	8015M/D	43026
885-43082-4	BH26-66 1'	Total/NA	Solid	8015M/D	43026
885-43082-5	BH26-67 0'	Total/NA	Solid	8015M/D	43026
885-43082-6	BH26-67 1'	Total/NA	Solid	8015M/D	43026
885-43082-7	BH26-68 0'	Total/NA	Solid	8015M/D	43026
885-43082-8	BH26-68 1'	Total/NA	Solid	8015M/D	43026
MB 885-43026/1-A	Method Blank	Total/NA	Solid	8015M/D	43026
LCS 885-43026/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43026
885-43082-8 MS	BH26-68 1'	Total/NA	Solid	8015M/D	43026
885-43082-8 MSD	BH26-68 1'	Total/NA	Solid	8015M/D	43026

HPLC/IC

Prep Batch: 43076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43082-1	BH26-65 0'	Total/NA	Solid	300_Prep	
885-43082-2	BH26-65 1'	Total/NA	Solid	300_Prep	
MB 885-43076/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-43076/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-43082-1 MS	BH26-65 0'	Total/NA	Solid	300_Prep	
885-43082-1 MSD	BH26-65 0'	Total/NA	Solid	300_Prep	
885-43082-2 MS	BH26-65 1'	Total/NA	Solid	300_Prep	
885-43082-2 MSD	BH26-65 1'	Total/NA	Solid	300_Prep	

Analysis Batch: 43079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43082-1	BH26-65 0'	Total/NA	Solid	300.0	43076
885-43082-2	BH26-65 1'	Total/NA	Solid	300.0	43076
MB 885-43076/1-A	Method Blank	Total/NA	Solid	300.0	43076
LCS 885-43076/2-A	Lab Control Sample	Total/NA	Solid	300.0	43076
885-43082-1 MS	BH26-65 0'	Total/NA	Solid	300.0	43076
885-43082-1 MSD	BH26-65 0'	Total/NA	Solid	300.0	43076
885-43082-2 MS	BH26-65 1'	Total/NA	Solid	300.0	43076
885-43082-2 MSD	BH26-65 1'	Total/NA	Solid	300.0	43076

Prep Batch: 43137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43082-3	BH26-66 0'	Total/NA	Solid	300_Prep	
885-43082-4	BH26-66 1'	Total/NA	Solid	300_Prep	
885-43082-5	BH26-67 0'	Total/NA	Solid	300_Prep	
885-43082-6	BH26-67 1'	Total/NA	Solid	300_Prep	
885-43082-7	BH26-68 0'	Total/NA	Solid	300_Prep	
885-43082-8	BH26-68 1'	Total/NA	Solid	300_Prep	

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QC Association Summary

Client: Vertex
Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

HPLC/IC (Continued)

Prep Batch: 43137 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-43137/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-43137/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 43138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43082-3	BH26-66 0'	Total/NA	Solid	300.0	43137
885-43082-4	BH26-66 1'	Total/NA	Solid	300.0	43137
885-43082-5	BH26-67 0'	Total/NA	Solid	300.0	43137
885-43082-6	BH26-67 1'	Total/NA	Solid	300.0	43137
885-43082-7	BH26-68 0'	Total/NA	Solid	300.0	43137
885-43082-8	BH26-68 1'	Total/NA	Solid	300.0	43137
MB 885-43137/1-A	Method Blank	Total/NA	Solid	300.0	43137
LCS 885-43137/2-A	Lab Control Sample	Total/NA	Solid	300.0	43137



Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

Client Sample ID: BH26-65 0'

Lab Sample ID: 885-43082-1

Date Collected: 02/09/26 11:50

Matrix: Solid

Date Received: 02/11/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8015M/D		1	43134	VP	EET ALB	02/15/26 15:22
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8021B		1	43135	VP	EET ALB	02/15/26 15:22
Total/NA	Prep	SHAKE			43026	BV	EET ALB	02/12/26 15:03
Total/NA	Analysis	8015M/D		1	43077	EM	EET ALB	02/14/26 02:07
Total/NA	Prep	300_Prep			43076	MA	EET ALB	02/13/26 09:55
Total/NA	Analysis	300.0		10	43079	MA	EET ALB	02/13/26 15:25

Client Sample ID: BH26-65 1'

Lab Sample ID: 885-43082-2

Date Collected: 02/09/26 12:10

Matrix: Solid

Date Received: 02/11/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8015M/D		1	43134	VP	EET ALB	02/15/26 15:46
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8021B		1	43135	VP	EET ALB	02/15/26 15:46
Total/NA	Prep	SHAKE			43026	BV	EET ALB	02/12/26 15:03
Total/NA	Analysis	8015M/D		1	43077	EM	EET ALB	02/14/26 02:18
Total/NA	Prep	300_Prep			43076	MA	EET ALB	02/13/26 09:55
Total/NA	Analysis	300.0		10	43079	MA	EET ALB	02/13/26 15:56

Client Sample ID: BH26-66 0'

Lab Sample ID: 885-43082-3

Date Collected: 02/09/26 12:55

Matrix: Solid

Date Received: 02/11/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8015M/D		1	43134	VP	EET ALB	02/15/26 16:11
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8021B		1	43135	VP	EET ALB	02/15/26 16:11
Total/NA	Prep	SHAKE			43026	BV	EET ALB	02/12/26 15:03
Total/NA	Analysis	8015M/D		1	43077	EM	EET ALB	02/14/26 02:29
Total/NA	Prep	300_Prep			43137	JT	EET ALB	02/15/26 11:06
Total/NA	Analysis	300.0		10	43138	JT	EET ALB	02/15/26 21:00

Client Sample ID: BH26-66 1'

Lab Sample ID: 885-43082-4

Date Collected: 02/09/26 13:10

Matrix: Solid

Date Received: 02/11/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8015M/D		1	43134	VP	EET ALB	02/15/26 16:35

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

Client Sample ID: BH26-66 1'

Lab Sample ID: 885-43082-4

Date Collected: 02/09/26 13:10

Matrix: Solid

Date Received: 02/11/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8021B		1	43135	VP	EET ALB	02/15/26 16:35
Total/NA	Prep	SHAKE			43026	BV	EET ALB	02/12/26 15:03
Total/NA	Analysis	8015M/D		1	43077	EM	EET ALB	02/14/26 02:41
Total/NA	Prep	300_Prep			43137	JT	EET ALB	02/15/26 11:06
Total/NA	Analysis	300.0		10	43138	JT	EET ALB	02/15/26 21:14

Client Sample ID: BH26-67 0'

Lab Sample ID: 885-43082-5

Date Collected: 02/09/26 12:15

Matrix: Solid

Date Received: 02/11/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8015M/D		1	43134	VP	EET ALB	02/15/26 16:59
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8021B		1	43135	VP	EET ALB	02/15/26 16:59
Total/NA	Prep	SHAKE			43026	BV	EET ALB	02/12/26 15:03
Total/NA	Analysis	8015M/D		1	43077	EM	EET ALB	02/14/26 02:52
Total/NA	Prep	300_Prep			43137	JT	EET ALB	02/15/26 11:06
Total/NA	Analysis	300.0		10	43138	JT	EET ALB	02/15/26 21:28

Client Sample ID: BH26-67 1'

Lab Sample ID: 885-43082-6

Date Collected: 02/09/26 12:30

Matrix: Solid

Date Received: 02/11/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8015M/D		1	43134	VP	EET ALB	02/15/26 17:24
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8021B		1	43135	VP	EET ALB	02/15/26 17:24
Total/NA	Prep	SHAKE			43026	BV	EET ALB	02/12/26 15:03
Total/NA	Analysis	8015M/D		1	43077	EM	EET ALB	02/14/26 03:03
Total/NA	Prep	300_Prep			43137	JT	EET ALB	02/15/26 11:06
Total/NA	Analysis	300.0		10	43138	JT	EET ALB	02/15/26 21:42

Client Sample ID: BH26-68 0'

Lab Sample ID: 885-43082-7

Date Collected: 02/09/26 12:35

Matrix: Solid

Date Received: 02/11/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8015M/D		1	43134	VP	EET ALB	02/15/26 18:12
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8021B		1	43135	VP	EET ALB	02/15/26 18:12

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Lab Chronicle

Client: Vertex
 Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

Client Sample ID: BH26-68 0'

Lab Sample ID: 885-43082-7

Date Collected: 02/09/26 12:35

Matrix: Solid

Date Received: 02/11/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			43026	BV	EET ALB	02/12/26 15:03
Total/NA	Analysis	8015M/D		1	43077	EM	EET ALB	02/14/26 03:15
Total/NA	Prep	300_Prep			43137	JT	EET ALB	02/15/26 11:06
Total/NA	Analysis	300.0		10	43138	JT	EET ALB	02/15/26 22:25

Client Sample ID: BH26-68 1'

Lab Sample ID: 885-43082-8

Date Collected: 02/09/26 12:50

Matrix: Solid

Date Received: 02/11/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8015M/D		1	43134	VP	EET ALB	02/15/26 18:37
Total/NA	Prep	5030C			42932	VP	EET ALB	02/11/26 14:06
Total/NA	Analysis	8021B		1	43135	VP	EET ALB	02/15/26 18:37
Total/NA	Prep	SHAKE			43026	BV	EET ALB	02/12/26 15:03
Total/NA	Analysis	8015M/D		1	43077	EM	EET ALB	02/14/26 03:37
Total/NA	Prep	300_Prep			43137	JT	EET ALB	02/15/26 11:06
Total/NA	Analysis	300.0		10	43138	JT	EET ALB	02/15/26 22:39

Laboratory References:

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

Accreditation/Certification Summary

Client: Vertex
 Project/Site: Cornwall Federal #001

Job ID: 885-43082-1

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	02-25-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics [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	02-25-26

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Chain-of-Custody Record

Client: Vertex (bill to Mack Energy, matt Buckles)
 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: Cornwall Federal #001
 Project #: 25A-05756
 Project Manager: Sally Carhtar
 Sampler: S. McCarty
 On Ice: Yes No
 # of Coolers: 1 Joe
 Cooler Temp (including CF): 0.3 + 0.2 = 0.5



Environment T



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

885-43082 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 8011)	PAHs by 8270SIMS	RCRA 8 Metals	Cl F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
2/9/26	11:50	Soil	BH26-65 0'	4oz jar	Ice		✓	✓					✓			
	12:10		BH26-65 1'													
	12:55		BH26-66 0'													
	13:10		BH26-66 1'													
	12:15		BH26-67 0'													
	12:30		BH26-67 1'													
	12:35		BH26-68 0'													
	12:50		BH26-68 1'													

Date: _____ Time: _____ Relinquished by: Joseph Mcgy
 Received by: Admin Via: _____ Date: 2/10/26 Time: 1000
 Date: 2/10/26 Time: 1900 Relinquished by: Admin
 Received by: Admin Via: _____ Date: 2/11/26 Time: 7:45

Remarks: Direct bill to Mack Energy :ATTN matt Buckles
CL. S carhtar@vertexresource.com
Permian@vertexresource.com
S mccarty@vertexresource.com
for final report

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: 885-43082-1

Login Number: 43082

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

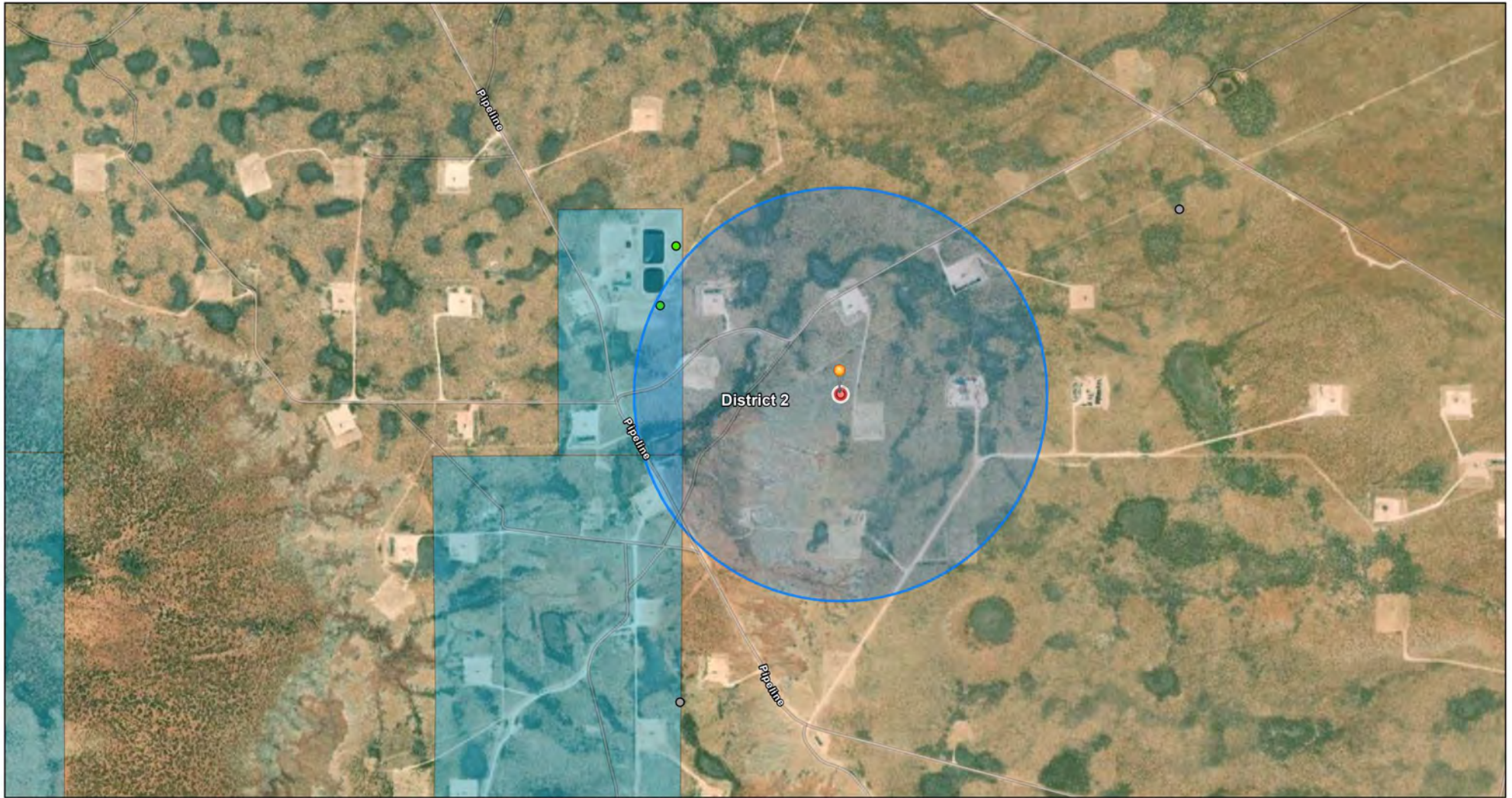
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	



ATTACHMENT 5

Closure Criteria Determination			
Site Name: Cornwall Federal #001H			
Spill Coordinates: 32.9957405,-104.0630555		X: 587531	Y: 3651205
Site Specific Conditions	Value	Unit	Reference
1	Depth to Groundwater (nearest reference)	125	feet
	Distance between release and nearest DTGW reference	22,889	feet
		4.33	miles
	Date of nearest DTGW reference measurement	August 4, 2016	
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	487	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	10,223	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	50,339	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	3,555	feet
	ii) Within 1000 feet of any fresh water well or spring	3,555	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	feet
7	Within 300 feet of a wetland	1,042	feet
8	Within the area overlying a subsurface mine	No	feet
	Distance between release and nearest registered mine	119,600	feet
9	Within an unstable area (Karst Map)	High	Critical High Medium Low
	Distance between release and nearest unstable area	0	feet
10	Within a 100-year Floodplain	>500	year
	Distance between release and nearest FEMA Zone A (100-year Floodplain)	19,027	feet
11	Soil Type	Gravelly Fine Sandy Loam	
12	Ecological Classification	Shallow	
13	Geology	Piedmont Alluvial Deposits	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	<50'	≤ 50' 51-100' >100'

01 OSE POD Locations Map CORNWALL FEDERAL #001H 0.5 mile Radius



10/30/2025, 5:29:12 PM

GIS WATERS PODs

- Pending
- Unknown
- OSE District Boundary

New Mexico State Trust Lands

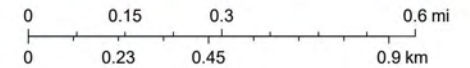
- Both Estates
- World Imagery
- Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

1:14,619



Vantor, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

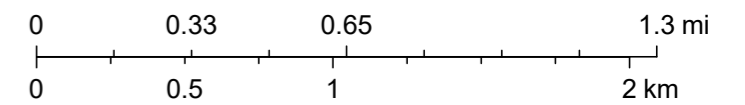
22,889 feet to RA 12428



12/13/2025, 10:31:58 AM

- World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery
- High Resolution 30cm Imagery
- Citations

1:30,378



Vantor, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

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
RA 12428		RA	CH	SE	NE	NW	21	15S	28E	580579.1	3652317.4		7040	170	125	45

Average Depth to Water: **125 feet**

Minimum Depth: **125 feet**

Maximum Depth: **125 feet**

Record Count: 1

UTM Filters (in meters):

Easting: 587531

Northing: 3651205

Radius: 008000

* UTM location was derived from PLSS - see Help

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12/13/25 9:54 AM MST


Water Column/Average Depth to Water

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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
RA 12428	SE	NE	NW	21	15S	28E	580579.1	3652317.4		

* UTM location was derived from PLSS - see Help

Driller License:	1058	Driller Company:	KEY'S DRILLING & PUMP SERVICE		
Driller Name:	DONALD KUEHN III				
Drill Start Date:	2016-07-28	Drill Finish Date:	2016-08-04	Plug Date:	
Log File Date:	2016-08-08	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	15
Casing Size:	4.50	Depth Well:	170	Depth Water:	125

Water Bearing Stratifications:

Top	Bottom	Description
125	140	Sandstone/Gravel/Conglomerate
140	160	Sandstone/Gravel/Conglomerate
160	170	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
125	170

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Point of Diversion Summary

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Water Right Summary



[get image list](#)

WR File Number: RA 12428	Subbasin: RA	Cross Reference:
Primary Purpose: STK 72-12-1 LIVESTOCK WATERING		
Primary Status: PMT Permit		
Total Acres:	Subfile:	Header:
Total Diversion: 3.000	Cause/Case:	
Owner: BOGLE LTD.	Owner Class: Owner	
Contact: STUART BOGLE		

Documents on File

(acre-feet per annum)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion	Consumptive
590003	590003	72121	2016-06-29	PMT	LOG	RA-12428 POD1	T		3.000	

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
RA 12428		Shallow	SE	NE	NW	21	15S	28E	580579.1	3652317.4		

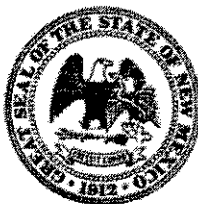
* UTM location was derived from PLSS - see Help

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12/13/25 10:07 AM MST

Water Rights Summary

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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

WELL OWNER NAME(S) BOGLE LTD				OSE FILE NUMBER(S) RA 12428	
WELL OWNER MAILING ADDRESS PO BOX 460				PHONE (OPTIONAL)	
CITY DEXTER		STATE NM		ZIP 88230	
WELL LOCATION (FROM GPS)	DEGREES		MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84
	LATITUDE	33	00	22.728 N	
	LONGITUDE	104	08	14.522 W	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE					

LICENSE NUMBER WD-1058	NAME OF LICENSED DRILLER DONALD KUEHN III			NAME OF WELL DRILLING COMPANY KEYS DRILLING & PUMP SERVICE INC.			
DRILLING STARTED 7/28/16	DRILLING ENDED 8/4/16	DEPTH OF COMPLETED WELL (FT) 170'	BORE HOLE DEPTH (FT) 170'	DEPTH WATER FIRST ENCOUNTERED (FT) 125'			
COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 125'			
DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:							
DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
FROM	TO						
-1.50	125	8-3-4"	PVC	SPLINE	4-1/2"	SCH40	
125	170	8-3/4"	PVC	SPLINE	4-1/2"	SCH40	.030

DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
FROM	TO				
0	20	8-3/4"	CEMENT		HAND
20	170	8-3/4"	VEALMORE PEA GRAVEL		HAND

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/08/2012)	
FILE NUMBER	RA-12428	POD NUMBER	1
LOCATION	15S.28E.21.124	TRN NUMBER	590003
			PAGE 1 OF 2

DEPTH (feet bgl)	THICKNESS (feet)		COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			
0	20	20	TOP SOIL & GRAVEL	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
20	30	10	RED SAND & GRAVEL	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
30	70	40	RED CLAY	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
70	75	5	WHITE SANDY CLAY & COURSE SAND	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
75	90	15	GYPSON	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
90	110	20	RED CLAY	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
110	125	15	RED CLAY & GYPSON	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
125	140	15	COURSE SAND & GYPSON	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
140	160	20	GYPSON & COURSE SAND	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
160	170	10	GYPSON & COURSE SAND	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input checked="" type="checkbox"/> PUMP				TOTAL ESTIMATED WELL YIELD (gpm): 15+	
<input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					

5. TEST RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: DONALD KUEHN III		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:	
	GARY KEY	08/08/2016
SIGNATURE OF DRILLER / PRINT SIGNEE NAME		DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/08/2012)	
FILE NUMBER	RA-12428	POD NUMBER	4
LOCATION	BS-28E-21-124	TRN NUMBER	590003
			PAGE 2 OF 2



Intermittent 487 feet



December 13, 2025

Wetlands

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



Pond 10,223 feet



December 13, 2025

Wetlands

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



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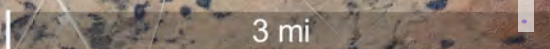
04 - CORNWALL FEDERAL #001H (nAPP2530359265)

Distance to Nearest Residence:
50,339 ft FT (9.52 mi)

CORNWALL FEDERAL #001H (nAPP2530359265)

Legend

-  CORNWALL FEDERAL #001H (nAPP2530359265)
-  Distance to Nearest Residence



Active & Inactive Points of Diversion (with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Well Tag	Code	Grant	Source	(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)		Map	Distance
											q64	q16	q4	Sec	Tws	Range	X	Y				
RA 12007	RA	EXP	0.000	MACK ENERGY	CH	RA 12007 POD1					SE	NE	SW	19	15S	29E	586999.1	3651508.8		612.5		
RA 12006	RA	EXP	0.000	MACK ENERGY	CH	RA 12006 POD1					NE	NE	SW	19	15S	29E	587049.3	3651703.3		693.1		
LWD 03197	RA	PLS	4.950	BOGLE FARMS	CH	LWD 03197 POD1								30	15S	29E	587075.0	3650222.0 *		1,083.6		
LWD 03196	RA	PLS	2.770	BOGLE FARMS	CH	LWD 03196 POD1								20	15S	29E	588694.0	3651839.0 *		1,324.6		
LWD 03195	RA	PLS	6.420	BOGLE FARMS	CH	LWD 03195 POD1								17	15S	29E	588680.0	3653446.0 *		2,518.4		
LWD 03198	RA	PLS	4.950	BOGLE FARMS	CH	LWD 03198 POD1								31	15S	29E	587101.0	3648631.0 *		2,609.7		
LWD 03199	RA	PLS	8.200	BOGLE FARMS	CH	LWD 03199 POD1								32	15S	29E	588712.0	3648646.0 *		2,818.4		
RA 08333	RA	STK	1.470	BOGLE FARMS	CH	RA 08333					NW	NE	26	15S	28E	584050.0	3650815.0 *		3,502.8			
LWD 03194	RA	PLS	3.670	BOGLE FARMS	CH	LWD 03194 POD1					SE	SE	16	15S	29E	590879.0	3652866.0 *		3,737.4			
LWD 03193	RA	PLS	3.300	BOGLE FARMS	CH	LWD 03193 POD1								05	15S	29E	588660.0	3656663.0 *		5,573.5		
RA 08334	RA	STK	1.880	BOGLE FARMS	CH	RA 08334								21	15S	28E	580629.0	3651787.0 *		6,926.5		
RA 08331	RA	STK	1.770	BOGLE FARMS	CH	RA 08331								03	15S	29E	591866.0	3656701.0 *		6,999.9		
RA 12428	RA	STK	3.000	BOGLE LTD.	CH	RA 12428				Shallow	SE	NE	NW	21	15S	28E	580579.1	3652317.4		7,040.3		
RA 08341	RA	STK	1.880	BOGLE FARMS	CH	RA 08341					NE	SE	36	14S	28E	585984.0	3658087.0 *		7,053.7			
RA 12232	RA	STK	3.000	DAVIS SPEAR RANCH	CH	RA 12232 POD1					NE	NE	SE	35	15S	29E	594226.0	3648634.1		7,171.6		
RA 08335	RA	STK	2.000	BOGLE FARMS	CH	RA 08335								09	15S	28E	580608.0	3655008.0 *		7,898.8		
RA 11765	RA	MON	0.000	DARRELL CRASS DRILLING	CH	RA 11765 POD1					SW	SE	SW	12	15S	29E	594815.8	3654510.2		7,999.5		

Record Count: 17

Filters Applied:

UTM Filters (in meters):

Eastings: 587531

Northings: 3651205

Radius: 008000

Sorted By: Distance

* UTM location was derived from PLSS - see Help

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Water Right Summary



[get image list](#)

WR File Number:	LWD 03197	Subbasin:	RA	Cross Reference:	LWD-RA-253
Primary Purpose:	PLS NON 72-12-1 LIVESTOCK WATERING				
Primary Status:	DCL Declaration				
Total Acres:	0.826	Subfile:		Header:	
Total Diversion:	4.950	Cause/Case:			
Owner:	BOGLE FARMS	Owner Class:	Owner		
Contact:	SCOTT BOGLE				

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	694111	DCL	1991-07-10	DCL	PRC	LWD-RA-253	T	0.826	4.950	

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
LWD 03197 POD1						30	15S	29E	587075.0	3650222.0 *		

* UTM location was derived from PLSS - see Help

Priority Summary

Priority	Status	Acres	Diversion	POD Number	Source
1947-12-31	DCL	0.826	4.950	LWD.03197.POD1	

Place of Use

Q256	Q64	Q16	Q4	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
				30	15S	29E	0.826	4.950		PLS	1947-12-31	DCL	

Source

Acres	Diversion	CU	Use	Priority	Source	Description
0.826	4.950		PLS	1947-12-31	SW	

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetland 1,042 feet



U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov

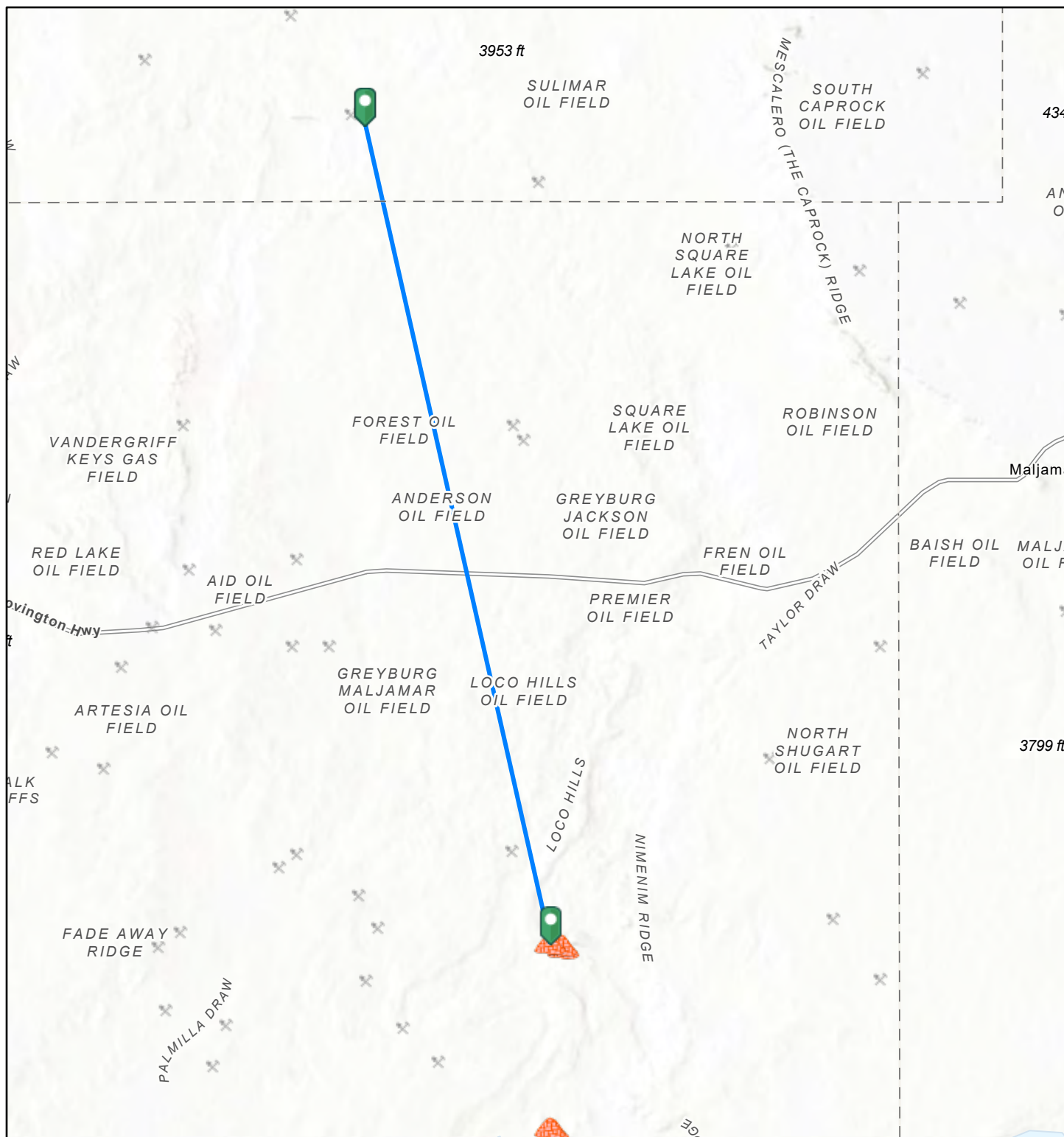
December 13, 2025

Wetlands

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

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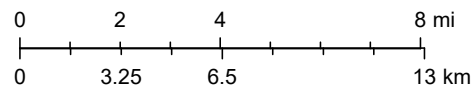
Potash Mine 119,600 feet



12/13/2025, 12:45:19 PM

1:288,895

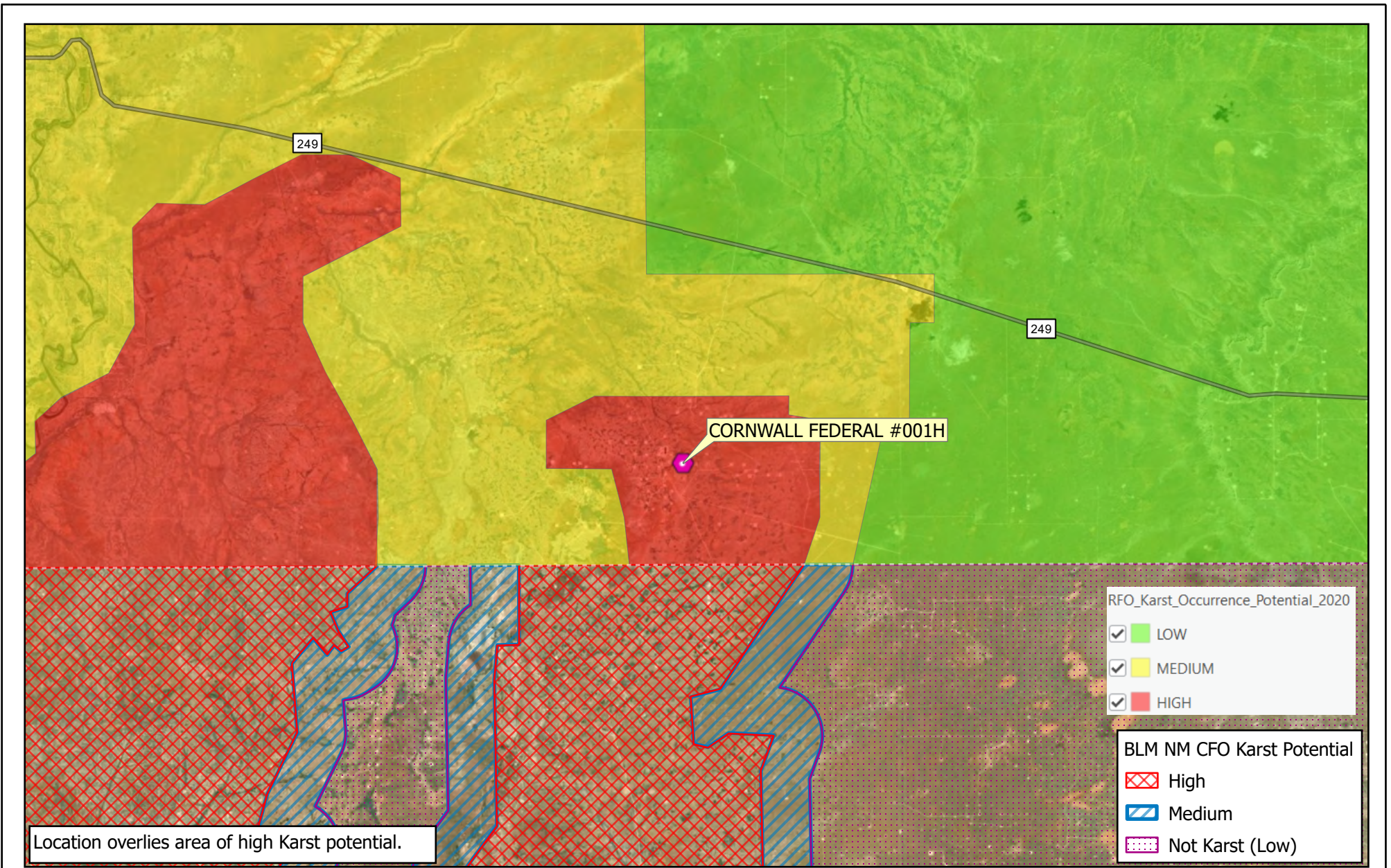
Registered Mines



- ✕ Aggregate, Stone etc.
- ✕ Aggregate, Stone etc.
- ✕ Aggregate, Stone etc.
- ▲ Potash

Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, BLM

EMNRD MMD GIS Coordinator



Map Center:
 Lat/Long: 33.001196°N, 104.05769°W
 Date: Nov 04/25
 0 1.5 3 Miles
 NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

Map Center:
 Lat/Long: 33.001196°N, 104.05769°W
 Date: Nov 04/25



**Karst Potential Site Schematic
 Cornwall Federal #001H**

FIGURE:
 9



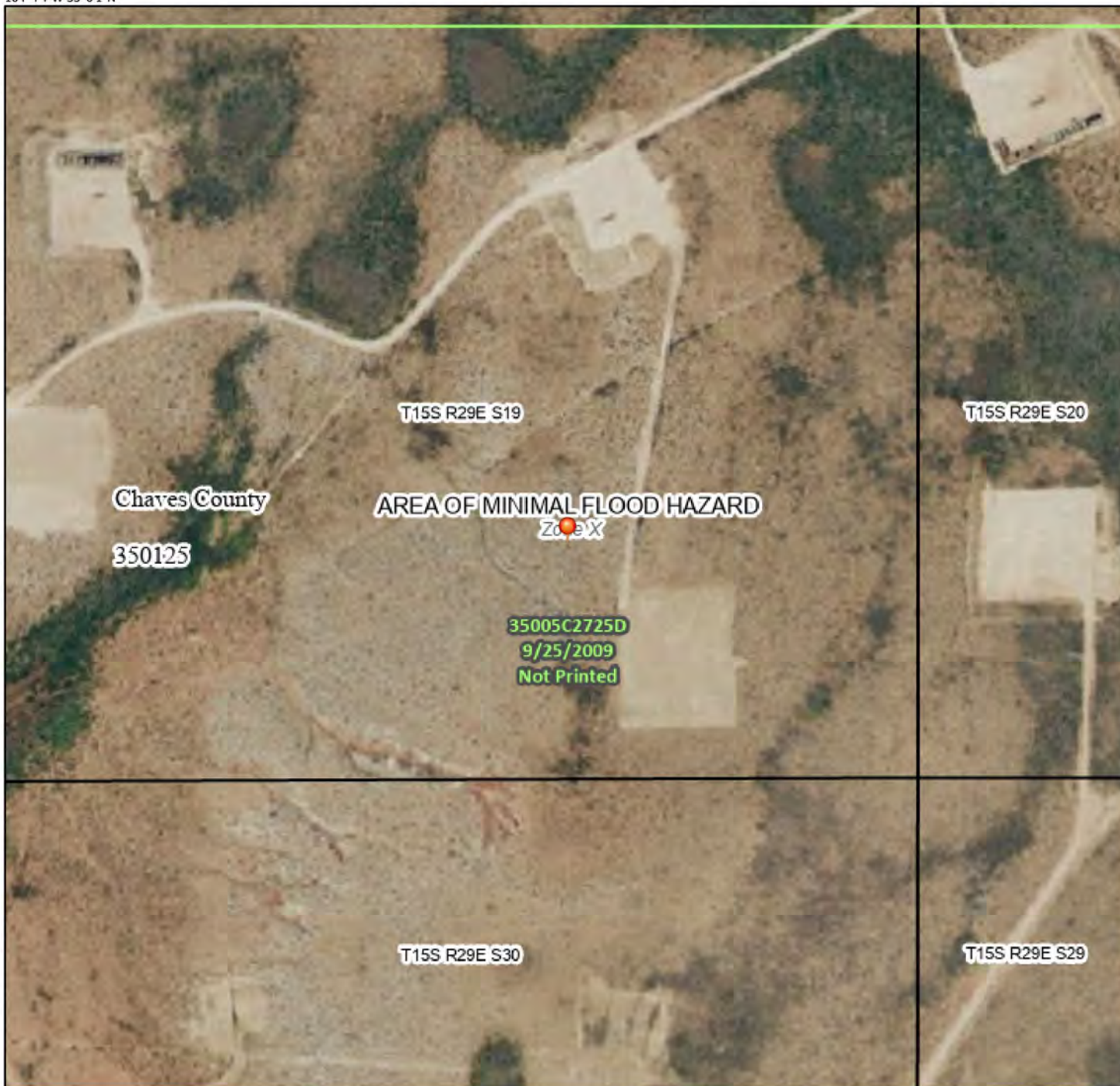
Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

National Flood Hazard Layer FIRMette



104°4'4"W 33°0'1"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **10/31/2025 at 12:43 AM** 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 unmmodernized areas cannot be used for regulatory purposes.

10 - CORNWALL FEDERAL #001H (nAPP2530359265)

Distance to FEMA Zone A:
19,027 FT (3.6 mi)

CORNWALL FEDERAL #001H (nAPP2530359265)

Legend

-  CORNWALL FEDERAL #001H (nAPP2530359265)
-  Distance to FEMA Zone A
-  FEMA Zone A



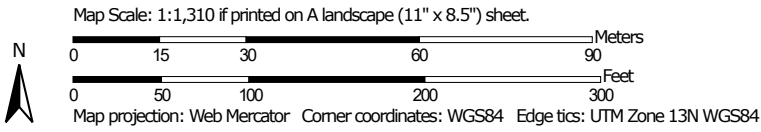


A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Chaves County, New Mexico, Southern Part




Custom Soil Resource Report Soil Map



Custom Soil Resource Report


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 1:24,000.

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: Chaves County, New Mexico, Southern Part
 Survey Area Data: Version 20, Sep 9, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Custom Soil Resource Report

Chaves County, New Mexico, Southern Part**TS—Tencee-Sotim association****Map Unit Setting**

National map unit symbol: 1w8f
Elevation: 3,200 to 6,000 feet
Mean annual precipitation: 10 to 16 inches
Mean annual air temperature: 55 to 65 degrees F
Frost-free period: 140 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Tencee and similar soils: 50 percent
Sotim and similar soils: 30 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Tencee**Setting**

Landform: Low hills, hillslopes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope, base slope, crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Calcareous alluvium and/or eolian deposits derived from sedimentary rock

Typical profile

H1 - 0 to 2 inches: gravelly fine sandy loam
H2 - 2 to 9 inches: very gravelly loam
H3 - 9 to 13 inches: cemented material

Properties and qualities

Slope: 1 to 9 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Medium
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: 45 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 0.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Custom Soil Resource Report

Description of Sotim**Setting**

Landform: Alluvial fans, plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear, convex
Across-slope shape: Linear, convex
Parent material: Mixed alluvium and/or eolian deposits derived from sedimentary rock

Typical profile

H1 - 0 to 7 inches: fine sandy loam
H2 - 7 to 70 inches: clay loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 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: 5 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: High (about 10.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: C
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Minor Components**Simona**

Percent of map unit: 5 percent
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Berino

Percent of map unit: 5 percent
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Pecos

Percent of map unit: 5 percent
Ecological site: R070BC008NM - Draw
Hydric soil rating: No

Rock outcrop

Percent of map unit: 4 percent
Ecological site: R042CY158NM - Very Shallow

Custom Soil Resource Report

Hydric soil rating: No

Playa

Percent of map unit: 1 percent

Landform: Flood-plain playas

Landform position (three-dimensional): Talf, dip

Down-slope shape: Concave

Across-slope shape: Concave

Ecological site: R070BC017NM - Bottomland

Hydric soil rating: Yes

Ecological site R070BC025NM

Shallow

Accessed: 12/13/2025

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.

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site occurs on knolls, ridges, hillslopes alluvial fans and escarpments. Slopes range from 0 to 25 percent and average about 7 percent. Direction of slope varies and is usually not significant. Elevations range from 2,842 to 4,500 feet.

Table 2. Representative physiographic features

Landforms	(1) Hill (2) Ridge (3) Fan piedmont
Flooding frequency	None
Ponding frequency	None
Elevation	2,842–4,500 ft
Slope	0–25%

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 180 to 220 days. The last killing frost is late March or early April, and the first killing frost is in late 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. Because of the shallow soil depth, the vegetation on this site can take advantage of moisture almost anytime it falls. Strong winds that blow from the west and southwest blow from January through June, which accelerates soil drying at a critical time 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)	220 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

The soils of this site are shallow to very shallow. Soils are derived from mixed calcareous eolian deposits derived from sedimentary rock. Surface layers are very cobbly loam, very gravelly loam, gravelly loam, cobbly loam, gravelly fine sandy loam or gravelly sandy loam.

There is an indurated caliche layer or limestone bedrock that occurs within 20 inches and averages less than 10 inches. Limestone or caliche layer may be the restrictive layer.

Minimum and maximum values listed below represent the characteristic soils for this site.

Characteristic soils:

Lozier
Potter
Tencee
Upton
Ector
Kimbrough

Table 4. Representative soil features

Surface texture	(1) Gravelly loam (2) Extremely gravelly loam (3) Extremely cobbly loam
Family particle size	(1) Loamy
Drainage class	Well drained
Permeability class	Very slow to moderately slow
Soil depth	4–20 in
Surface fragment cover <=3"	15–40%
Available water capacity (0-40in)	1 in
Calcium carbonate equivalent (0-40in)	15–60%
Electrical conductivity (0-40in)	0–2 mmhos/cm
Sodium adsorption ratio (0-40in)	0–1
Soil reaction (1:1 water) (0-40in)	7.4–8.4
Subsurface fragment volume <=3" (Depth not specified)	13–42%
Subsurface fragment volume >3" (Depth not specified)	0–1%

Ecological dynamics

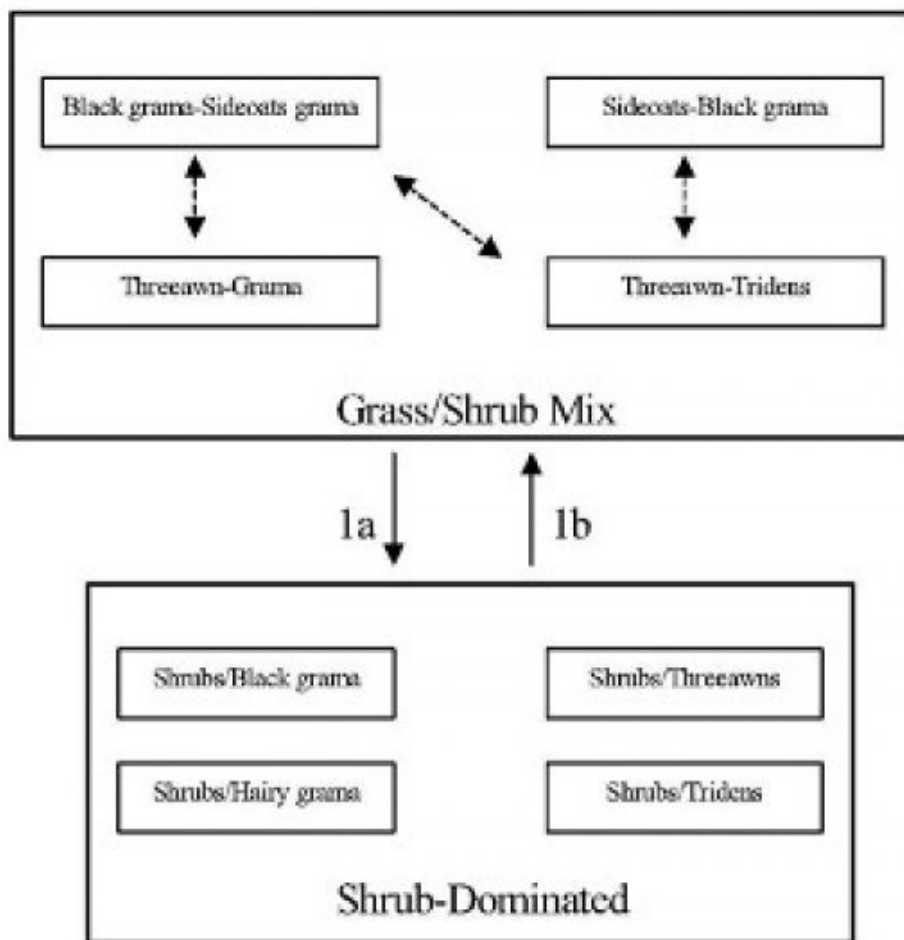
Overview:

The Shallow site is associated with and Limestone Hills, Loamy, and Shallow Sandy sites. When associated with Limestone Hills, the Shallow site occurs on the summits, foot slopes and toeslopes of hills. Loamy sites often occur as areas between low elongated hills with rounded crests (Shallow site). When the Shallow Sandy site and Shallow site occur in association, the Shallow Sandy soils occupy the tops of low ridges and the Shallow site soils occur on the steeper sideslopes of the ridge. The historic plant community of the Shallow site has the aspect of a grassland/shrub mix, dominated by grasses, but with shrubs common throughout the site. Black grama is the dominant grass species; creosotebush, mesquite, and catclaw mimosa are common shrubs. Overgrazing and or extended drought can reduce grass cover, effect a change in grass species dominance, and may result in a shrub-dominated state. 1

State and transition model

Plant Communities and Transitional Pathways (diagram)

MLRA-42, SD-3, Shallow



1a. Extended drought, overgrazing, no fire

1b. Brush control, Prescribed grazing

**State 1
Grass/Shrub Mix**

**Community 1.1
Grass/Shrub Mix**

Grassland/Shrub Mix: The historic plant community is dominated by black grama with sideoats grama as the sub-dominant. Blue grama, hairy grama, bush muhly, and sand dropseed also occur in significant amounts. Sideoats grama can occur as the dominant grass with black grama as sub-dominant on the western side of the Land Resource Unit SD-3. This may be due to higher average elevation on the west side. Retrogression within

this state due to extended drought or overgrazing will cause a decrease in species such as black grama, sideoats grama, blue grama, and bush muhly. Threeawns may become the dominant grass species due to a decline in more palatable grasses or because of its ability to quickly recover following drought. Continued loss of grass cover and associated increase in amount of bare ground may result in a shrub-dominated state. Decreased fire frequencies may also be an important component in the cause of this transition. Diagnosis: Grass cover is fairly uniform, however, surface gravel, cobble, and bare ground make up a large percent of total ground cover, and grass production during unfavorable years may only average 150-175 pounds per acre. Shrubs are common with canopy cover averaging five to ten percent. Evidence of erosion such as rills and gullies are rare, but may occur on slopes greater than eight percent.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	168	352	536
Shrub/Vine	63	131	200
Forb	20	42	64
Total	251	525	800

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	5-10%
Grass/grasslike foliar cover	10-15%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	5-8%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	40-60%

Figure 5. Plant community growth curve (percent production by month). NM2825, R042XC025NM Shallow HCPC. R042XC025NM Shallow HCPC 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 Shrub-Dominated

Community 2.1 Shrub-Dominated

Shrub-Dominated: This state is characterized by an increase in shrubs and a decrease in grass cover relative to grassland/shrub mix. As grass cover decreases shrubs increase, especially creosotebush, catclaw mimosa, whitethorn acacia, and mesquite. Each of these shrub species may become dominant in localized areas or across the site, depending on the spatial variability in soil characteristics and landscape position. Black grama, threeawns, hairy grama, or hairy tridens may be the dominant grass species. Fluffgrass, burrograss and broom snakeweed increase in representation. The Shallow site is resistant to state change, due to the natural rock armor of the soil and a shallow impermeable layer. The amount of rock fragments on the soil surface assist in retarding erosion. On Shallow sites with low slope, the shallow depth to either a petrocalcic layer or limestone bedrock helps to keep water perched and available to shallow rooted grasses for extended periods.

2 Diagnosis: Shrubs are the dominant species, especially creosotebush, catclaw mimosa, whitethorn acacia, or mesquite. Grass cover is variable ranging from patchy with large connected bare areas present to sparse with only a limited amount in shrub inter-spaces. Transition to Shrub-Dominated (1a) Overgrazing and or extended periods of drought, and suppression of natural fire regimes are thought to cause this transition. As grass cover is lost, soil fertility and available soil moisture decline, due to the reduction of organic matter and decreased infiltration.

3 Shrubs have the ability to extract nutrients and water from a greater area of soil than grasses and are better able to utilize limited water. Competition by shrubs for water and nutrients limits grass recruitment and establishment. Fire historically may have played a part in suppressing shrub expansion; fire suppression may therefore facilitate shrub expansion. Key indicators of approach to transition: *Decrease or change in composition or distribution of grass cover. *Increase in size and frequency of bare patches. *Increase in amount of shrub seedlings. Transition back to Grassland/Shrub Mix (1b) Brush control is necessary to re-establish grasses. Prescribed grazing will help to ensure proper forage utilization and sustain grass cover. Once the transition is reversed and grass cover is re-established, periodic use of prescribed fire may assist in maintaining the Grassland/Shrub state.

Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
-------	-------------	--------	-----------------	-----------------------------	------------------



Map Center:
Lat/Long: 32.994554°N, 104.0618°W

Date: Oct 31/25

NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

Geology Schematic
Cornwall Federal #001H

FIGURE: **13**

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, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.

ATTACHMENT 6

Cornwall Federal #001H SLO-ECO Biological Checklist

Printable Reports		
Agency	Report	Result
US Fish & Wildlife	Information for Planning and Consultation (IPaC)	-----
	(Potentially) Endangered Species	5
	Bald & Golden Eagles	0
	Migratory Birds	0
	Facilities	0
	Wetlands	Yes
Vertex "Habitats" GIS Map		
Agency	Layer	Result
BLM		
	Special Status Plant and Wildlife Habitat	-----
	Potential Habitat (Planning Area Only)	None
	Dunes Sage Brush Lizard	None
	Lesser Prairie Chicken	2
	Lesser Prairie Chicken Timing Restriction	None
	Natl Designated Areas of Critical Environmental Concern	None
NM Game and Fish		
	NM Crucial Habitat Assessment Tool (NM CHAT)	-----
	Crucial Habitat	3
	Species of Concern	3
	Large Natural Areas	2
	Natural Vegetation	0/6
	Terrestrial SERI	3
	Aquatic SERI	6
	Fresh Water Integrity	5
	Weland and Riparian Areas	0/6
	NM State Wildlife Action Plan (SWAP) Macrogroups	Chihuahuan Desert Scrub
	NM Important Plant Areas	None
	Riparian Corridors	-----
	Upper Rio Grande	None
	Middle Rio Grande	None
	Canadian Upper Pecos	None
	Gila Region San Juan	None
	Lower Pecos Tularosa basin	None
	NM Riparian Corridor	None
US Fish & Wildlife		
	Critical Habitat for Threatened and Endangered Species	None
NM Natural Heritage		
	Federal Threatened and Endangered (Fed T&E)	None
	State Threatened and Endangered (State T&E)	None
NM State Forestry		
	Important Plant Area (IPA)	None



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
Phone: (505) 346-2525 Fax: (505) 346-2542

In Reply Refer To:

11/04/2025 17:17:12 UTC

Project Code: 2026-0012073

Project Name: CORNWALL FEDERAL #001H

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

Thank you for your recent request for information on federally listed species and important wildlife habitats that may occur in your project area. The U.S. Fish and Wildlife Service (Service) has responsibility for certain species of New Mexico wildlife under the Endangered Species Act (ESA) of 1973 as amended (16 USC 1531 et seq.), the Migratory Bird Treaty Act as amended (16 USC 701-715), and the Bald and Golden Eagle Protection Act as amended (16 USC 668-668(c)). We are providing the following guidance to assist you in determining which federally imperiled species may or may not occur within your project area, and to recommend some conservation measures that can be included in your project design.

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the ESA of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the ESA is to provide a means whereby threatened and endangered species and

the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the ESA and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (NEPA; 42 USC 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at <https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>.

Candidate Species and Other Sensitive Species

A list of candidate and other sensitive species in your area is also attached. Candidate species and other sensitive species are species that have no legal protection under the ESA, although we recommend that candidate and other sensitive species be included in your surveys and considered for planning purposes. The Service monitors the status of these species. If significant declines occur, these species could potentially be listed. Therefore, actions that may contribute to their decline should be avoided.

Lists of sensitive species including State-listed endangered and threatened species are compiled by New Mexico State agencies. These lists, along with species information, can be found at the following websites.

Biota Information System of New Mexico (BISON-M): www.bison-m.org

New Mexico State Forestry. The New Mexico Endangered Plant Program:
<https://www.emnrd.nm.gov/sfd/rare-plants/>

New Mexico Rare Plant Technical Council, New Mexico Rare Plants: nmrareplants.unm.edu

Natural Heritage New Mexico, online species database: nhnm.unm.edu

WETLANDS AND FLOODPLAINS

Under Executive Orders 11988 and 11990, Federal agencies are required to minimize the destruction, loss, or degradation of wetlands and floodplains, and preserve and enhance their natural and beneficial values. These habitats should be conserved through avoidance, or mitigated to ensure that there would be no net loss of wetlands function and value.

We encourage you to use the National Wetland Inventory (NWI) maps in conjunction with ground-truthing to identify wetlands occurring in your project area. The Service's NWI program website, www.fws.gov/wetlands/Data/Mapper.html, integrates digital map data with other resource information. We also recommend you contact the U.S. Army Corps of Engineers for permitting requirements under section 404 of the Clean Water Act if your proposed action could impact floodplains or wetlands.

MIGRATORY BIRDS

In addition to responsibilities to protect threatened and endangered species under the ESA, there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the Service (50 CFR 10.12 and 16 USC 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a Federal nexus) or a Bird/Eagle Conservation Plan (when there is no Federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>. We also recommend review of the Birds of Conservation Concern list (<https://www.fws.gov/media/birds-conservation-concern-2021>) to fully evaluate the effects to the birds at your site. This list identifies migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that represent top conservation priorities for the Service, and are potentially threatened by disturbance, habitat impacts, or other project development activities.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 thereby provides additional protection for both migratory birds and migratory bird habitat. Please visit <https://www.fws.gov/partner/council-conservation-migratory-birds> for information regarding the implementation of Executive Order 13186.

We suggest you contact the New Mexico Department of Game and Fish, and the New Mexico

Project code: 2026-0012073

11/04/2025 17:17:12 UTC

Energy, Minerals, and Natural Resources Department, Forestry Division for information regarding State protected and at-risk species fish, wildlife, and plants.

For further consultation with the Service we recommend submitting inquiries or assessments electronically to our incoming email box at nmesfo@fws.gov, where it will be more promptly routed to the appropriate biologist for review.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New Mexico Ecological Services Field Office

2105 Osuna Road Ne

Albuquerque, NM 87113-1001

(505) 346-2525

Project code: 2026-0012073

11/04/2025 17:17:12 UTC

PROJECT SUMMARY

Project Code: 2026-0012073
Project Name: CORNWALL FEDERAL #001H
Project Type: Oil & Gas Well Maintenance
Project Description: Oil and Gas release delineation
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.996599,-104.06319592103378,14z>



Counties: Chaves County, New Mexico

ENDANGERED SPECIES ACT SPECIES

There is a total of 5 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Project code: 2026-0012073

11/04/2025 17:17:12 UTC

BIRDS

NAME	STATUS
Lesser Prairie-chicken <i>Tympanuchus pallidicinctus</i> Population: Southern DPS No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1924 General project design guidelines: https://ipac.ecosphere.fws.gov/project/LXMJT6ZRYJDTPCGIKYFQBIWREA/documents/generated/9126.pdf	Endangered
Northern Aplomado Falcon <i>Falco femoralis septentrionalis</i> Population: U.S.A (AZ, NM) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1923 General project design guidelines: https://ipac.ecosphere.fws.gov/project/LXMJT6ZRYJDTPCGIKYFQBIWREA/documents/generated/8928.pdf	Experimental Population, Non- Essential
Piping Plover <i>Charadrius melodus</i> Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039	Threatened

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

FLOWERING PLANTS

NAME	STATUS
Pecos (=puzzle, =paradox) Sunflower <i>Helianthus paradoxus</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7211 General project design guidelines: https://ipac.ecosphere.fws.gov/project/LXMJT6ZRYJDTPCGIKYFQBIWREA/documents/generated/9168.pdf	Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.



25R-05890

2025 Special Status Species Survey

Cornwall Federal #001H

API: 30-005-64373

Incident No.: nAPP2530359265

Chaves County, New Mexico

Prepared for:

Mack Energy Corporation

Prepared by:

Vertex Resource Services, Inc.

Date:

March 3, 2026

Mack Energy Corporation
Cornwall Federal #001H (Chaves County, NM)

2025 Special Status Species Survey
Project No. 25R-05890

2025 Special Status Species Survey
Cornwall Federal #001H
API: 30-005-64373
Incident No.: nAPP2530359265
Chaves County, New Mexico

Prepared for:

Mack Energy Corporation
11344 Livingston Highway
Artesia, New Mexico 88210

Prepared by:

Vertex Resource Services, Inc.
2418 N. Frazier St., Suite 103
Conroe, Texas 77303

Becca Stallings

March 3, 2026

Becca Stallings, MNRS, CPESC, CESSWI
Manager – Ecology and Assessment

Date

Executive Summary

Mack Energy Corporation retained Vertex Resource Services, Inc. (Vertex) to conduct a special status species survey of Cornwall Federal #001H, API 30-005-64373, for the purpose of ensuring compliance with the New Mexico Oil Conservation District (NMOCD) requirement of adherence to protecting State-listed threatened and endangered species (hereafter referred to as “survey”). The site is located approximately 6.41 miles northwest of Pipeline Road and Kewanee Road intersection, as well as approximately 4.74 miles south of Highway 249 (GPS Location: 32.996415, -104.063416) in Chaves County, New Mexico (hereafter referred to as “site”; Figure 1, Appendix A). The survey was conducted as part of the Assessment and Closure for the release associated with Incident No. nAPP2530359265.

The Endangered Species Act of 1973 (ESA) provides the framework for conserving and protecting endangered and threatened species and their habitats, which is enforced by the United States Fish and Wildlife Service (USFWS). A review of potential species and habitat present at the proposed job site is necessary to ensure that this project will be in compliance with the ESA and that no “take” of threatened or endangered species, or their habitats, occurs during, or as a result of, project activities. Additionally, rare plant species are protected by the State of New Mexico under the New Mexico Administrative Code (NMAC), Title 19, Chapter 21, Part 2.8, which states that “[B.] the taxon is a rare plant across its range within the state, and of such limited distribution and population size that unregulated taking could adversely impact it and jeopardize its survival in New Mexico.” If potential State or federally protected species or habitat are identified within the project site, compliance recommendations will be made.

Vertex personnel performed a desktop environmental review available databases and literature relevant to special-status species with potential to be present onsite. This includes the following listed species:

- Scheer’s pincushion cactus (*Coryphantha robustispina ssp. scheeri*) – State of New Mexico Endangered;
- Lesser prairie-chicken (*Tympanuchus pallidicinctus*) – USFWS Endangered;
- Northern aplomado falcon (*Falco femoralis ssp. septentrionalis*) – USFWS Experimental Population;
- Piping plover (*Charadrius melodus*) - USFWS Threatened;
- Monarch butterfly (*Danaus plexippus*) – USFWS Proposed Threatened;
- Pecos sunflower (*Helianthus paradoxus*) – USFWS Threatened; and
- Tharp’s blue star (*Amsonia tharpii*) – State of New Mexico Endangered.

The Vertex biologists conducted a habitat survey November 13, 2025, to determine the likelihood and extent of impacting these special status species during the assessment and closure activities associated with the project area. The surveys encompassed transects of the release and a 100-meter buffer around the release delineation footprint (Figure 2, Appendix A).

The site and survey buffer consists of an excavated area, access roads, nearby oil and gas pads, and associated infrastructure. The remaining portions of the site consist of sparse creosote and honey mesquite dominant vegetation. During the survey, vegetation species were noted (Table 1, Appendix B), and the site was assessed via 10-meter transects. Three Scheer’s pincushion cactus plants were observed and documented during the survey. One of the Scheer’s pincushion cactus (mapped as “Scheer’s Cactus 3”) was bordering the release delineation boundary.

In the professional opinion of Vertex personnel, the survey site, which includes all non-disturbed areas within 100 meters of the proposed excavation at Cornwall Fed 1H in Chaves County, New Mexico, is unlikely to support Tharp’s blue star (*A. tharpii*), Piping plover (*C. melodus*), Pecos sunflower (*H. paradoxus*), Lesser prairie chicken (*T.*

pallidicinctus), Monarch butterfly (*D. plexippus*), or Northern aplomado falcon (*F. femoralis ssp. septentrionalis*). Scheer's pincushion cactus (*C. robustispina ssp. scheeri*) was identified onsite, with one individual plant, Scheer's Cactus 3, near the release delineation boundary. Following discussions with the Bureau of Land Management (BLM) CFO Botanist and the New Mexico State Botanist with the Rare and Endangered Plants Program, obtaining a "take" permit and transplanting the Scheer's Cactus No. 3 is recommended. Vertex will coordinate the "take" permit and transplanting per New Mexico Energy, Minerals and Natural Resource Department (EMNRD) and BLM agency protocol and guidance. Additionally, the Ecologist recommends implementing a 10-meter buffer around Scheer's Cactus No. 1 and Scheer's Cactus No. 2 to protect them from project activities. If additional special status species are identified or plans change, the project manager should consult the Vertex environmental team to review updated details to ensure continued compliance with the ESA and NMAC 19, Chapter 21, Part 2.8.

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1.0 Introduction

Mack Energy Corporation retained Vertex Resource Services, Inc. (Vertex) to conduct a special status species survey of Cornwall Federal #001H, API 30-005-64373, for the purpose of ensuring compliance with the New Mexico Oil Conservation District (NMOCD) requirement of adherence to protecting State-listed threatened and endangered species (hereafter referred to as “survey”). The site is located approximately 6.41 miles northwest of Pipeline Road and Kewanee Road intersection, as well as approximately 4.74 miles south of Highway 249 (GPS Location: 32.996415, -104.063416) in Chaves County, New Mexico (hereafter referred to as “site”; Figure 1, Appendix A). The survey was conducted as part of the Assessment and Closure for the release associated with Incident No. nAPP2530359265. This release delineation boundary and a 100-meter survey buffer at the site consists of approximately 35 acres.

1.1 Objective and Scope of Work

Vertex personnel performed a desktop environmental review available databases and literature relevant to special-status species with potential to be present onsite. This includes the following listed species:

- Scheer’s pincushion cactus (*Coryphantha robustispina ssp. scheeri*) – State of New Mexico Endangered;
- Lesser prairie-chicken (*Tympanuchus pallidicinctus*) – USFWS Endangered;
- Northern aplomado falcon (*Falco femoralis ssp. septentrionalis*) – USFWS Experimental Population;
- Piping plover (*Charadrius melodus*) – USFWS Threatened;
- Monarch butterfly (*Danaus plexippus*) – USFWS Proposed Threatened;
- Pecos sunflower (*Helianthus paradoxus*) – USFWS Threatened; and
- Tharp’s blue star (*Amsonia tharpii*) – State of New Mexico Endangered.

The Endangered Species Act of 1973 (ESA) provides the framework for conserving and protecting endangered and threatened species and their habitats, which is enforced by the United States Fish and Wildlife Service (USFWS). A review of potential species and habitat present at the proposed job site is necessary to ensure that this project will be in compliance with the ESA and that no “take” of threatened or endangered species, or their habitats, occurs during, or as a result of, project activities. Additionally, rare plant species are protected by the State of New Mexico under the New Mexico Administrative Code (NMAC), Title 19, Chapter 21, Part 2.8, which states that “[B.] the taxon is a rare plant across its range within the state, and of such limited distribution and population size that unregulated taking could adversely impact it and jeopardize its survival in New Mexico.”

The objective of this assessment was to ensure that the site will comply with the ESA and NMAC 19, Chapter 21, Part 2.8. This review and survey for special status species is necessary to ensure that this project is unlikely to result in a “take” of threatened or endangered species due to project activities. If potential species are identified within the project site, recommendations will be made to help the project remain in compliance. This survey and the associated report shall document recommendations for compliance with the ESA and NMAC 19, Chapter 21, Part 2.8 during project activities.

The following scope of work was established for the Special Status Species Survey:

- Environmental records and database review
- Complete the field portion of the site survey
- Prepare a report and summarize recommendations for project compliance

2.0 Background

2.1 Site Description

Cornwall Federal #001H, the site is located approximately 6.41 miles northwest of Pipeline Road and Kewanee Road intersection, as well as approximately 4.74 miles south of Highway 249 (GPS Location: 32.996415, -104.063416) in Chaves County, New Mexico (hereafter referred to as “site”; Figure 1, Appendix A). The site and survey buffer consists of the oil and gas pad, access roads, nearby oil and gas pads, and associated infrastructure. The remaining portions of the site consist of sparse creosote and honey mesquite dominant vegetation. The survey was conducted as part of the Assessment and Closure for the release associated with Incident No. nAPP2530359265.

2.2 Soils

A desktop survey of the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey (WSS) Database for the site location was conducted on November 18, 2025. The soil data for the site indicates that the primary soil characteristics for the proposed site are the Tencee-Sotim association, undulating soil composition (Figure 3, Appendix A). This soil association is described as the parent material containing calcareous alluvium and/or eolian deposits derived from sedimentary rock. This soil complex is well drained.

2.3 Vegetative Communities

No previous site vegetation mapping data was identified during this desktop review. The site is located within the Shinnery Sands ecoregion, which is typically characterized by sandy hills, dunes, flat sandy recharge areas. This ecoregion contains ephemeral ponds and swales between the dunes that support rushes, sedges, and sandbar willow. This ecoregion is hot and arid, supporting desert shrub and grass vegetative communities. Dominant species include shinnery oak, fourwing saltbush, and yucca to stabilize the sand for smaller herbaceous species like sand verbenas, sunflowers, fringed sagewort, and hoary rosemary-mint plants (Griffith et al., 2006). The site also lies on the edge of the Chihuahuan Desert Grasslands ecoregion, which includes soil composition of silts and clays that have a higher water retention capacity, as well as vegetation like bush muhly, tobosa, creosote bush, prickly pear, and cholla cacti (Griffith et al., 2006).

2.4 Hydrologic Features

The site is located within the Nakee Ishee subwatershed. The National Wetlands Inventory (Figure 4, Appendix A) indicates potential for a riverine onsite. No evidence of surface water was observed onsite during the survey.

2.5 Potential Species

Upon the request of the Bureau of Land Management (BLM), this survey is focused on the rare species with potential for onsite presence. Additionally, the survey included species identified by the USFWS with potential for onsite presence (Appendix D). This includes the following listed species: Scheer’s pincushion cactus (*C. robustispina ssp. scheeri*) – NM Endangered; Tharp’s blue star (*A. tharpii*) – NM Endangered; Piping plover (*C. melodus*) – USFWS Threatened; Monarch butterfly (*D. plexippus*) – USFWS Proposed Threatened; Lesser prairie chicken (*T. pallidicinctus*) – USFWS Endangered; Pecos sunflower (*H. paradoxus*) – USFWS Threatened; and Northern aplomado falcon (*F. femoralis ssp. septentrionalis*) – USFWS Experimental Population.

3.0 Methods

Vertex prepared this special status species survey report for Mack Energy Corporation in preparation for Assessment and Closure activities for the release associated with Incident No. nAPP2530359265. The purpose of this survey is to determine onsite biological conditions and special status species compliance recommendations based on the likelihood of impacts to special status species and their associated habitat. The project included an environmental database review, a transect survey, and preparation of this report.

3.1 Updated Environmental Records and Database Review

Vertex conducted an environmental records and database review that consisted of utilizing federal and State resources to determine the potential impacts of project activities on special status species. Relevant data summaries from this review, methods and recommendations are included in this report. Several agency databases were reviewed, including:

- Soil data - Natural Resources Conservation Service, USDA
- State-listed species – New Mexico Rare Plants, NMRPTC; Information for Planning and Consultation, USFWS
- Wetlands and jurisdictional waters - National Wetlands Inventory, USFWS, USGS
- Ecoregions – United States Environmental Protection Agency

3.2 Field Work: Special Status Species Survey

Vertex was responsible for performing a special status species survey of the site to ensure compliance with the ESA and NMAC Title 19, Chapter 21, Part 2.8. Prior to conducting the survey, the Vertex biologists observed Scheer's pincushion cactus and Tharp's blue star at reference population sites on Bureau of Land Management (BLM) land to calibrate for current season plant growth phases (Appendix C).

The Vertex biologists conducted a site visit on November 13, 2025, and took field notes to document site conditions, the presence or absence of rare plants, if potential habitat for special status species was present, and relevant field observations. The survey was conducted within a 100-meter buffer surrounding the release delineation boundaries (Figure 2, Appendix A). Areas with clear disturbance were not surveyed via transects, including roads, and compacted areas; however, these areas were documented as lacking observations of rare species. The transect survey was completed with 10-meter transects running in a North-South direction, which covered all portions of the site not heavily disturbed by oil and gas infrastructure.

3.3 Agency Guidance

Upon the request of the Bureau of Land Management Roswell Field Office, this survey is focused on the rare species with potential for onsite presence. This includes the following listed species: Scheer's pincushion cactus (*C. robustispina ssp. scheeri*) – NM Endangered and Tharp's blue star (*A. tharpii*) – NM Endangered. Scheer's pincushion cactus were identified onsite during the survey, including one near the release delineation boundary (mapped as Scheer's Cactus 3). Per Ricky Flores, Natural Resources Specialist, of the BLM Roswell Field Office, the CFO Botanist surveyed the site and found no botany issues onsite. However, Erika Rowe, the New Mexico State Botanist with the Energy, Minerals and Natural Resources Department (EMNRD), discussed the need for 10-meter buffers around the Scheer's cactus plants identified onsite. For plants that are within 5-meters of the delineated release, a "take" permit shall be secured through the EMNRD and transplanting of the individual plant in coordination with the BLM Botanist is recommended.

Additionally, the survey included species identified by the USFWS with potential for onsite presence (Appendix D). This includes the following listed species: Pecos sunflower (*H. paradoxus*) – USFWS Threatened; Lesser prairie-chicken (*T. pallidicinctus*) – USFWS Endangered; Piping plover (*C. melodus*) - USFWS Threatened; Monarch butterfly (*D. plexippus*) – USFWS Proposed Threatened; and Northern aplomado falcon (*F. femoralis ssp. septentrionalis*) – USFWS experimental population. None of these species are likely to be present onsite, as described below.

4.0 Results and Discussion

The survey for the site included consideration of site conditions, habitats, and observed species (Table 1, Appendix B). The Vertex biologists performed a special status species survey on November 13, 2025, to determine site conditions and the presence or absence of rare plant species and the likelihood for special status species habitat. Each target rare species and their potential for being impacted by project activities are discussed below. Following the data review, field survey, and agency consultation, Scheer's pincushion cacti were observed, and it is unlikely that there are other special status species onsite. To avoid impacting the Scheer's pincushion cactus, the Vertex Ecologist recommends temporarily potting Scheer's Cactus 3 while remediation activities commence and replanting following completion of activities, utilizing native soils and ensuring the plant is dug up carefully to avoid root damage.

4.1 Site Conditions

The assessment was conducted on the following dates:

- November 13, 2025: 73 °F to 79 °F, cloudy, 0% precipitation, with wind speed between 4 mph Northwest to 6 mph South.

The site and survey buffer consists of an excavated area, access roads, nearby oil and gas pads, and associated infrastructure. The remaining portions of the site consist of sparse creosote and honey mesquite dominant vegetation.

4.2 Habitats Present

The site consists of sparse creosote bush and honey mesquite dominant vegetative habitat, disturbed soils, and oil and gas infrastructure.

4.3 Species Present

During the assessment, floral species observed onsite were documented in the field survey notes (Table 1, Appendix B). Scheer's pincushion cactus (*C. robustispina ssp. scheeri*) is a State of New Mexico Endangered plant species and was observed in three locations onsite. Scheer's Cactus No. 1 was identified at GPS Location (32.998131, -104.065551). Scheer's Cactus No. 2 was identified at GPS Location (32.996185, -104.061738). Scheer's Cactus No. 3 was identified at GPS Location (32.995858, -104.063280) and was also found at the release delineation boundary.

4.4 Special-Status Species: Potential to Impact

Upon the request of the BLM Roswell Field Office, this survey focuses on the rare species with potential for onsite presence. This includes the following listed species: Scheer's pincushion cactus (*C. robustispina ssp. scheeri*) – NM Endangered and Tharp's blue star (*A. tharpii*) – NM Endangered. The Vertex Ecologist recommends implementing a 30-meter buffer around Scheer's Cactus No. 1 and Scheer's Cactus No. 2 is recommended to protect them from project activities. Additionally, the Ecologist recommends temporarily potting Scheer's Cactus 3 while remediation activities commence and replanting following completion of activities, utilizing native soils and ensuring the plant is

dug up carefully to avoid root damage.

Additionally, the survey included species identified by the USFWS with potential for onsite presence (Appendix D). This includes the following listed species: Lesser prairie chicken (*T. pallidicinctus*) – USFWS Endangered; Pecos sunflower (*H. paradoxus*) – USFWS Threatened; Piping plover (*C. melodus*) – USFWS Threatened; Monarch butterfly (*D. plexippus*) – USFWS Proposed Threatened; and Northern aplomado falcon (*F. femoralis ssp. septentrionalis*) – USFWS experimental population. None of these species are likely to be present onsite, as described below.

4.4.1 Lesser Prairie-Chicken (*Tympanuchus pallidicinctus*): USFWS Endangered

The lesser prairie-chicken (*Tympanuchus pallidicinctus*) is a grassland grouse species of medium size. Lesser prairie-chickens exhibit sexual dimorphism, indicating that males appear larger in size than females with some additional physical characteristics. The males puff up feathered tufts on their ears alongside red air sacs on their neck during mating displays. Males gather in a lek during mating season (spring), meaning that each male has a “stage” to perform their mating display for a chance at successfully attracting a female (Sibley, 2003).

The lesser prairie chickens need open grassland with native grasses/shrubs and no nearby construction or development. Trees and other vertical structures are also habitat qualities that lesser prairie chickens avoid, as they do not support the ideal conditions for reproduction and survival. In New Mexico, they prefer shinnery oak prairie habitat. No lesser prairie-chickens or their preferred habitat were observed during this survey. If lesser prairie-chickens are observed during project activities, the project manager is encouraged to call their biologist to ensure that they are not impacted by project activities.

4.4.2 Pecos Sunflower (*Helianthus paradoxus*): USFWS Threatened

The Pecos sunflower (*Helianthus paradoxus*) is a member of the Asteraceae family. Pecos sunflowers reach 1.3 – 2 meters in height and have lance-shaped leaves with three veins that are opposite on the lower portion of the stem. The Pecos sunflower has many disc flower heads with bright yellow rays around a dark purplish brown center.

The historic distribution of the Pecos sunflower is not well documented. However, there is evidence that suggests their associated desert Cienega habitats, or spring-fed wetlands, have been reduced or eliminated by aquifer depletion. Current known established populations of the sunflower are distributed in Cibola, Valencia, Guadalupe, Socorro, and Chaves counties in New Mexico, and Pecos and Reeves counties in Texas. No Pecos sunflowers were observed during this survey.

4.4.3 Scheer’s Pincushion Cactus (*Coryphantha robustispina ssp. scheeri*): NM Endangered

Scheer’s pincushion cactus (*Coryphantha robustispina ssp. scheeri*) is a succulent with hemispheric, tubercled stems that are up to 15 cm in diameter and are usually observed as single plants, though they can be found in clusters. The tubercles are up to 7 mm long, are conical and are somewhat dorsiventrally flattened, with a felted groove running the length of the upper side. The spines are straight, with 6-12 radials up to 2.5 cm long and a central spine up to 4 cm long. The yellow flowers are 5 cm wide, are rarely streaked or blushed with a reddish center, and the stamens are yellow to orange. Flowers are in bloom from May to July but may be present through November.

The Scheer’s pincushion cactus habitat range includes Chaves County, New Mexico and overlaps with the project site. While surveying onsite, three Scheer’s pincushion cactus plants were observed and mapped.

4.4.4 Tharp's Blue Star (*Amsonia tharpii*): NM Endangered

Tharp's blue star (*Amsonia tharpii*) is a suffrutescent herb that typically grows in clusters and is part of the Apocynaceae family. It reaches a height of twenty-four inches tall and has multiple green to purple stems that grow from woody rootstock. The leaves found on Tharp's blue star grow alternately along the stems. The lower half of the leaves are elliptic-lanceolate (wide) and those near the top of the stems are linear-lanceolate (narrow). The flowers are pale-blue or greenish-white, star-shaped, with long tubes (15mm), and can be seen flowering from April to May.

Tharp's blue star is adapted to temperatures and precipitation patterns coherent with the northern Chihuahuan Desert, hot, long summers and mild winters. This species mainly grows on hills and escarpments with well-drained, calcium-rich, loam or sandy soils derived from gypsum (medium concentrations), limestone, and/or dolomite. While surveying onsite, no Tharp's blue star plants were observed.

4.4.5 Monarch Butterfly (*Danaus plexippus*): Proposed Threatened

The monarch butterfly (*Danaus plexippus*) is a migratory butterfly that is bright orange with black wing edges and veins. They undergo long-distance, generational migrations from Canada to Mexico. They often utilize pine, fir and cedar trees as roosts at night during their migrations. Monarch butterflies eat nectar from a variety of flowers, but their larvae are dependent upon native milkweed plants.

Monarch butterflies are candidate species but are not yet listed or proposed for listing under the ESA. Their candidate status was listed on December 17, 2020. There is no critical habitat designated for this species. Therefore, monarch butterflies are not being considered for this Assessment. However, the USFWS encourages agencies take advantage of opportunities to conserve the species.

4.4.6 Northern Aplomado Falcon (*Falco femoralis ssp. septentrionalis*): USFWS EXPN

The northern aplomado falcon (*Falco femoralis septentrionalis*) is a falcon species with potential range in Arizona, New Mexico and Texas. Their plumage is distinctly marked with a gray back, rufous breast, and black and white facial pattern. They are larger than kestrels and are typically seen in pairs. Their preferred habitat includes extensive grasslands with few trees. They will utilize abandoned raven nests in yuccas and nest primarily from March to May, though egg laying has been observed between January and September.

While the habitat range includes Southeast New Mexico, the USFWS notes the potential for experimental populations in the County. However, heavy machinery noises disturb nesting behavior and the USFWS encourages project managers to ensure that no nests are observed onsite during nesting season. No northern aplomado falcons were observed during the survey. However, if a northern aplomado falcon is observed flying within a few miles of the project site, the project manager is encouraged to call their biologist to ensure that no nesting pairs are in the area that would be impacted by project activities.

4.4.7 Piping Plover (*Charadrius melodus*): USFWS Threatened

The piping plover (*Charadrius melodus*) is a small shorebird species that has orange legs, pale underparts, pale gray-brown upper coloration, a black bill, and dark eyes. Breeding males have dark markings around their nape and across their crown and their bills are orange with black tips. They are ground nesters that utilize sandy coastal and inland lake beaches, as well as alluvial islands in rivers, for nesting sites.

Piping plovers are listed as threatened and are protected under the ESA. Critical habitat has been designated for this species, but the project site does not overlap with critical habitat. While surveying onsite, no piping plovers were observed.

5.0 Conclusions

Mack Energy Corporation retained Vertex Resource Services, Inc. (Vertex) to conduct a special status species survey of Cornwall Federal #001H, API 30-005-64373, for the purpose of ensuring compliance with the New Mexico Oil Conservation District (NMOCD) requirement of adherence to protecting State-listed threatened and endangered species (hereafter referred to as “survey”). The site is located approximately 6.41 miles northwest of Pipeline Road and Kewanee Road intersection, as well as approximately 4.74 miles south of Highway 249 (GPS Location: 32.996415, -104.063416) in Chaves County, New Mexico (hereafter referred to as “site”; Figure 1, Appendix A). The survey was conducted as part of the Assessment and Closure for the release associated with Incident No. nAPP2530359265. This release delineation boundary and a 100-meter survey buffer at the site consists of approximately 35 acres.

The site and survey buffer consists of an excavated area, access roads, nearby oil and gas pads, and associated infrastructure. The remaining portions of the site consist of sparse creosote and honey mesquite dominant vegetation. During the survey, vegetation species were noted (Table 1, Appendix B), and the site was assessed via 10-meter transects. Three Scheer’s pincushion cactus plants were observed and documented during the survey. One of the Scheer’s pincushion cactus (mapped as “Scheer’s Cactus 3”) was bordering the release delineation boundary.

In the professional opinion of Vertex personnel, the survey site, which includes all non-disturbed areas within 100 meters of the proposed excavation at Cornwall Fed 1H in Chaves County, New Mexico, is unlikely to support Tharp’s blue star (*A. tharpii*), Piping plover (*C. melodus*), Pecos sunflower (*H. paradoxus*), Lesser prairie chicken (*T. pallidicinctus*), Monarch butterfly (*D. plexippus*), or Northern aplomado falcon (*F. femoralis ssp. septentrionalis*). Scheer’s pincushion cactus (*C. robustispina ssp. scheeri*) was identified onsite, with one individual plant, Scheer’s Cactus 3, near the release delineation boundary. Following discussions with the Bureau of Land Management (BLM) CFO Botanist and the New Mexico State Botanist with the Rare and Endangered Plants Program, obtaining a “take” permit and transplanting the Scheer’s Cactus No. 3 is recommended. Vertex will coordinate the “take” permit and transplanting per New Mexico Energy, Minerals and Natural Resource Department (EMNRD) and BLM agency protocol and guidance. Additionally, the Ecologist recommends implementing a 10-meter buffer around Scheer’s Cactus No. 1 and Scheer’s Cactus No. 2 to protect them from project activities. If additional special status species are identified or plans change, the project manager should consult the Vertex environmental team to review updated details to ensure continued compliance with the ESA and NMAC 19, Chapter 21, Part 2.8.

6.0 References

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- U.S Fish and Wildlife Service. National Wetland Inventory [accessed 2025 November 18]
<https://fwsprimary.wim.usgs.gov>
- USGS. (2024). *The National Map - Advanced Viewer*. Apps.nationalmap.gov. <https://apps.nationalmap.gov/viewer/>

7.0 Limitations

This report has been prepared for the sole benefit of Mack Energy Corporation. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation District, Bureau of Land Management, and the United States Fish and Wildlife Service, without the express written consent of Vertex Resource Services, Inc. (Vertex) and Mack Energy Corporation. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the review. Due to the nature of the review and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

Appendix A - Project Maps and Figures

Figure 1. Site Location Map

Cornwall Federal 1H



1/27/2026

- Cornwall Fed 1H Survey RX
- World Imagery
- Low Resolution 15m Imagery

- High Resolution 60cm Imagery
- High Resolution 30cm Imagery
- Citations

38m Resolution Metadata

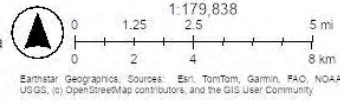
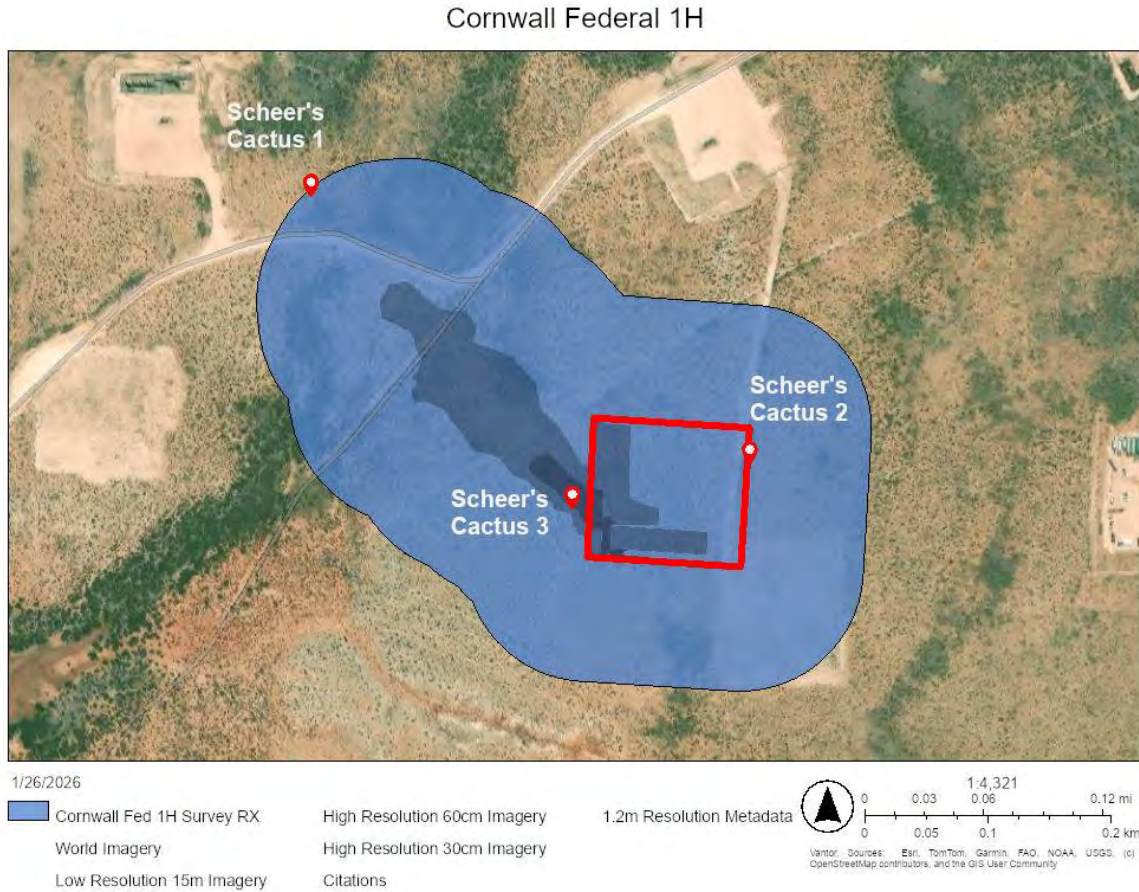
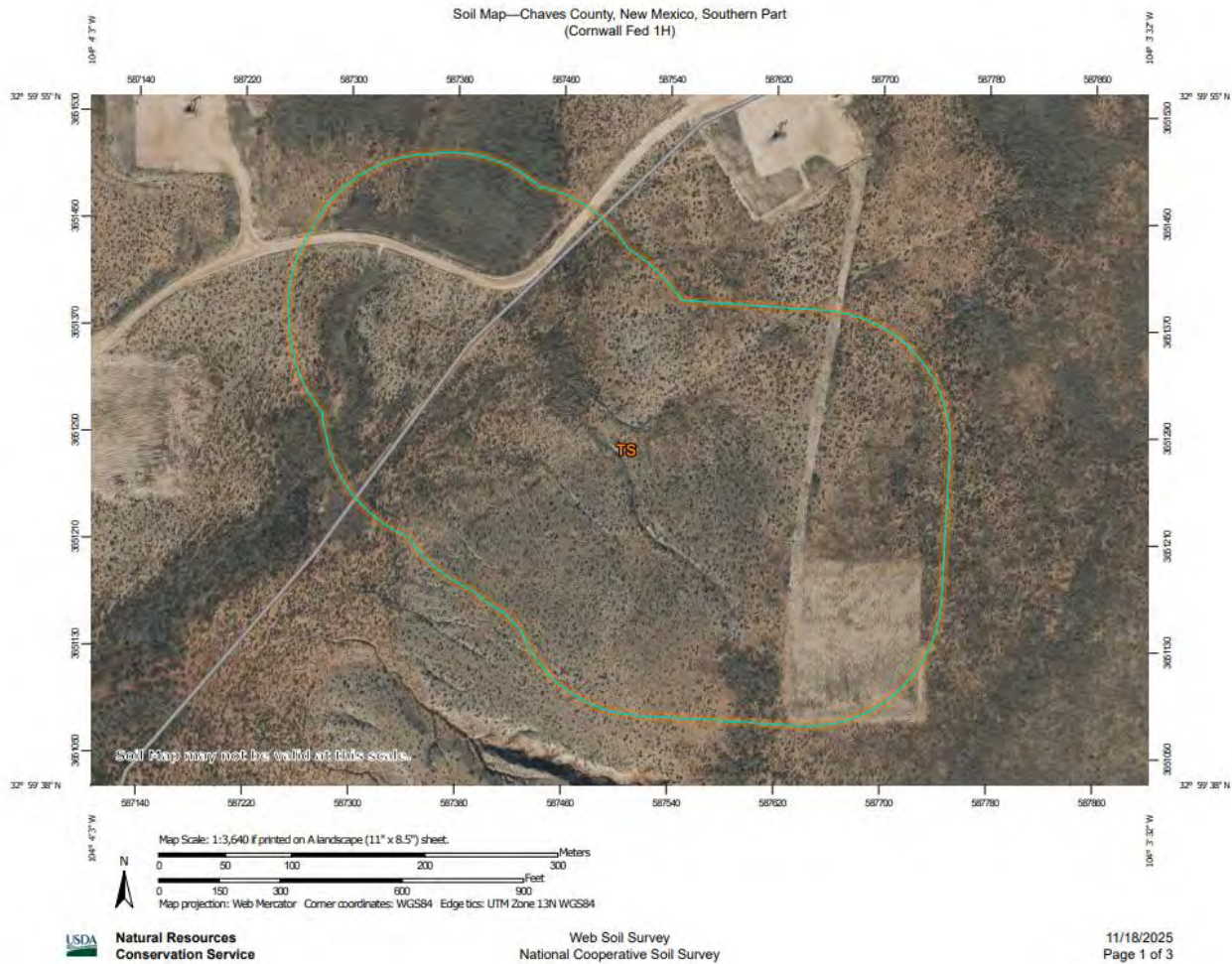


Figure 2. Survey Map – Boundaries and Findings



*Note: The red boundary denotes the pad boundary. The dark blue is the release delineation boundary within the lighter blue survey boundary.

Figure 3. Soils Map



Soil Map—Chaves County, New Mexico, Southern Part
(Cornwall Fed 1H)

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 1:24,000.

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: Chaves County, New Mexico, Southern Part
Survey Area Data: Version 20, Sep 9, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

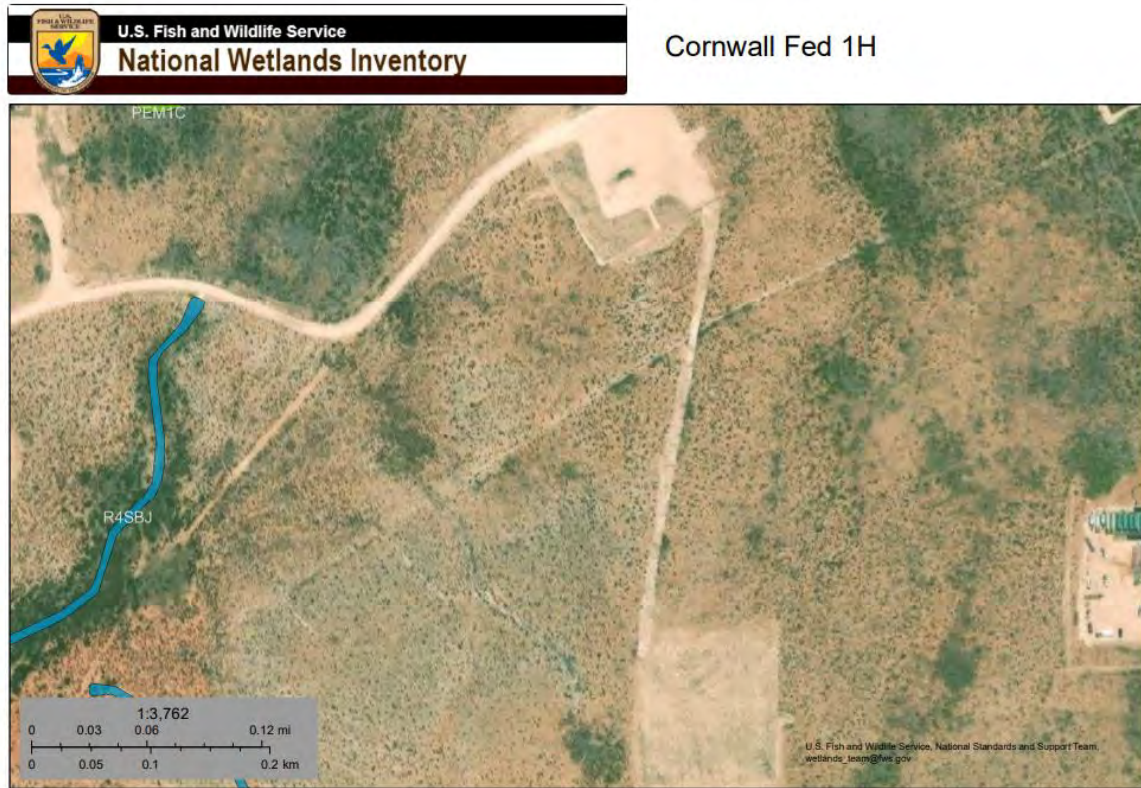
Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
TS	Tencee-Sotim association	36.2	100.0%
Totals for Area of Interest		36.2	100.0%

Figure 4. National Wetlands Inventory Map



November 18, 2025

Wetlands

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

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

Appendix B - Species List

Table 1. Survey Species List

Common Name	Scientific Name	Special Status Species
Plants		
Aster sp.	Conyzinae sp.	
Abert's buckwheat	<i>Eriogonum abertianum</i>	
Black-spined pricklypear	<i>Opuntia macrocentra</i>	
Broom snakeweed	<i>Gutierrezia sarothrae</i>	
Burrograss	<i>Scleropogon brevifolius</i>	
Christmas cholla	<i>Cylindropuntia leptocaulis</i>	
Coulter's horseweed	<i>Laennecia coulteri</i>	
Creosote bush	<i>Larrea tridentata</i>	
Desert zinnia	<i>Zinnia acerosa</i>	
Dwarf desert peony	<i>Acourtia nana</i>	
Grass sp.	Poaceae sp.	
Hedgehog cactus sp.	<i>Echinocereus sp.</i>	
Honey mesquite	<i>Neltuma glandulosa</i>	
Lamb's quarters	<i>Chenopodium album</i>	
Scheer's pincushion cactus	<i>Coryphantha robustispina ssp. scheeri</i>	New Mexico Endangered
Silverleaf nightshade	<i>Solanum elaeagnifolium</i>	
Spreading fleabane	<i>Erigeron divergens</i>	
Threadleaf groundsel	<i>Senecio flaccidus</i>	
Water-jacket	<i>Lycium andersonii</i>	
Winged pigweed	<i>Dysphania atriplicifolia</i>	
Yucca sp.	<i>Yucca sp.</i>	
Birds		
Chihuahuan raven	<i>Corvus cryptoleucus</i>	
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	

Common Name	Scientific Name	Special Status Species
Insects		
Tiny butterfly sp.	Lepidoptera sp.	
Cutworm moth sp.	Noctuidae sp.	
Dainty sulphur	<i>Nathalis iole</i>	
Orange sulphur	<i>Colias eurytheme</i>	
Western pygmy blue	<i>Brephidium exilis</i>	
White butterfly sp.	Pierinae sp.	

Species observed onsite at Cornwall Federal #001H during Special Status Species Surveys on November 13, 2025

Appendix C – Site Photographs



Figure 1. Landscape with honey mesquite around Cornwall Federal #001H site



Figure 2. Honey mesquite and grass community on site



Figure 3. Disturbed vegetation near oil and gas pad on the site



Figure 4. Oil pad and release area



Figure 5. Northwest corner of site looking southeast



Figure 6. Scheer's pincushion cactus, survey specimen 1 (GPS Location: 32.998131, -104.065551)



Figure 7. Scheer's pincushion cactus, survey specimen 2 (GPS Location: 32.996185, -104.061738)



Figure 8. Scheer's pincushion cactus, survey specimen 3 (GPS Location: 32.995858, -104.063280)



Figure 9. Scheer's pincushion cactus, survey specimen 3, located at the edge of the release area



Figure 10. Scheer's pincushion cactus reference population, BLM land, July 2025



Figure 11. Tharp's blue star reference population, BLM land, August 2025

Appendix D – Agency Consultation



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
Phone: (505) 346-2525 Fax: (505) 346-2542



In Reply Refer To:
Project Code: 2026-0012073
Project Name: CORNWALL FEDERAL #001H

11/04/2025 17:17:12 UTC

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

Thank you for your recent request for information on federally listed species and important wildlife habitats that may occur in your project area. The U.S. Fish and Wildlife Service (Service) has responsibility for certain species of New Mexico wildlife under the Endangered Species Act (ESA) of 1973 as amended (16 USC 1531 et seq.), the Migratory Bird Treaty Act as amended (16 USC 701-715), and the Bald and Golden Eagle Protection Act as amended (16 USC 668-668(c)). We are providing the following guidance to assist you in determining which federally imperiled species may or may not occur within your project area, and to recommend some conservation measures that can be included in your project design.

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the ESA of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the ESA is to provide a means whereby threatened and endangered species and

Project code: 2026-0012073

11/04/2025 17:17:12 UTC

the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the ESA and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (NEPA; 42 USC 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at <https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>.

Candidate Species and Other Sensitive Species

A list of candidate and other sensitive species in your area is also attached. Candidate species and other sensitive species are species that have no legal protection under the ESA, although we recommend that candidate and other sensitive species be included in your surveys and considered for planning purposes. The Service monitors the status of these species. If significant declines occur, these species could potentially be listed. Therefore, actions that may contribute to their decline should be avoided.

Lists of sensitive species including State-listed endangered and threatened species are compiled by New Mexico State agencies. These lists, along with species information, can be found at the following websites.

Biota Information System of New Mexico (BISON-M): www.bison-nm.org

New Mexico State Forestry. The New Mexico Endangered Plant Program:
<https://www.emnrd.nm.gov/sfd/rare-plants/>

New Mexico Rare Plant Technical Council, New Mexico Rare Plants: nmrareplants.unm.edu

Natural Heritage New Mexico, online species database: nhnm.unm.edu

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Project code: 2026-0012073

11/04/2025 17:17:12 UTC

WETLANDS AND FLOODPLAINS

Under Executive Orders 11988 and 11990, Federal agencies are required to minimize the destruction, loss, or degradation of wetlands and floodplains, and preserve and enhance their natural and beneficial values. These habitats should be conserved through avoidance, or mitigated to ensure that there would be no net loss of wetlands function and value.

We encourage you to use the National Wetland Inventory (NWI) maps in conjunction with ground-truthing to identify wetlands occurring in your project area. The Service's NWI program website, www.fws.gov/wetlands/Data/Mapper.html, integrates digital map data with other resource information. We also recommend you contact the U.S. Army Corps of Engineers for permitting requirements under section 404 of the Clean Water Act if your proposed action could impact floodplains or wetlands.

MIGRATORY BIRDS

In addition to responsibilities to protect threatened and endangered species under the ESA, there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the Service (50 CFR 10.12 and 16 USC 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a Federal nexus) or a Bird/Eagle Conservation Plan (when there is no Federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>. We also recommend review of the Birds of Conservation Concern list (<https://www.fws.gov/media/birds-conservation-concern-2021>) to fully evaluate the effects to the birds at your site. This list identifies migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that represent top conservation priorities for the Service, and are potentially threatened by disturbance, habitat impacts, or other project development activities.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 thereby provides additional protection for both migratory birds and migratory bird habitat. Please visit <https://www.fws.gov/partner/council-conservation-migratory-birds> for information regarding the implementation of Executive Order 13186.

We suggest you contact the New Mexico Department of Game and Fish, and the New Mexico

3 of 8

Project code: 2026-0012073

11/04/2025 17:17:12 UTC

Energy, Minerals, and Natural Resources Department, Forestry Division for information regarding State protected and at-risk species fish, wildlife, and plants.

For further consultation with the Service we recommend submitting inquiries or assessments electronically to our incoming email box at nmesfo@fws.gov, where it will be more promptly routed to the appropriate biologist for review.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
(505) 346-2525

Project code: 2026-0012073

11/04/2025 17:17:12 UTC

PROJECT SUMMARY

Project Code: 2026-0012073
Project Name: CORNWALL FEDERAL #001H
Project Type: Oil & Gas Well Maintenance
Project Description: Oil and Gas release delineation
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.996599,-104.06319592103378,14z>



Counties: Chaves County, New Mexico

Project code: 2026-0012073

11/04/2025 17:17:12 UTC

ENDANGERED SPECIES ACT SPECIES

There is a total of 5 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Project code: 2026-0012073

11/04/2025 17:17:12 UTC

BIRDS

NAME	STATUS
<p>Lesser Prairie-chicken <i>Tympanuchus pallidicinctus</i></p> <p>Population: Southern DPS No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1924 General project design guidelines: https://ipac.ecosphere.fws.gov/project/LXMIT6ZRYJDTPCGIKYFQBIWREA/documents/generated/9126.pdf</p>	Endangered
<p>Northern Aplomado Falcon <i>Falco femoralis septentrionalis</i></p> <p>Population: U.S.A (AZ, NM) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1923 General project design guidelines: https://ipac.ecosphere.fws.gov/project/LXMIT6ZRYJDTPCGIKYFQBIWREA/documents/generated/8928.pdf</p>	Experimental Population, Non- Essential
<p>Piping Plover <i>Charadrius melodus</i></p> <p>Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039</p>	Threatened

INSECTS

NAME	STATUS
<p>Monarch Butterfly <i>Danaus plexippus</i></p> <p>There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743</p>	Proposed Threatened

FLOWERING PLANTS

NAME	STATUS
<p>Pecos (=puzzle, =paradox) Sunflower <i>Helianthus paradoxus</i></p> <p>There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7211 General project design guidelines: https://ipac.ecosphere.fws.gov/project/LXMIT6ZRYJDTPCGIKYFQBIWREA/documents/generated/9168.pdf</p>	Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

Project code: 2025-0155910

09/29/2025 17:18:02 UTC

BALD & GOLDEN EAGLES

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act ² and the Migratory Bird Treaty Act (MBTA) ¹. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate avoidance and minimization measures, as described in the various links on this page.

1. The [Bald and Golden Eagle Protection Act](#) of 1940.
2. The [Migratory Birds Treaty Act](#) of 1918.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act and the Migratory Bird Treaty Act (MBTA). Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their nests, should follow appropriate regulations and implement required avoidance and minimization measures, as described in the various links on this page.

The data in this location indicates that no eagles have been observed in this area. This does not mean eagles are not present in your project area, especially if the area is difficult to survey. Please review the 'Steps to Take When No Results Are Returned' section of the Supplemental Information on Migratory Birds and Eagles document to determine if your project is in a poorly surveyed area. If it is, you may need to rely on other resources to determine if eagles may be present (e.g. your local FWS field office, state surveys, your own surveys).

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

MIGRATORY BIRDS

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

THERE ARE NO FWS MIGRATORY BIRDS OF CONCERN WITHIN THE VICINITY OF YOUR PROJECT AREA.

ATTACHMENT 7



Safety Data Sheet Micro-Blaze® Out

1. IDENTIFICATION OF THE SUBSTANCE

Product identifier

Product Name: Micro-Blaze® Out
Product Code: MBO

Recommended use of the chemical and restrictions on use

Recommended Use: Fire Fighting/Bioremediation
Uses advised against: Please refer to Product Data Sheet

Details of the supplier of the Safety Data Sheet

Contact Manufacturer: Verde Environmental, Inc.
9223 Eastex Freeway
Houston, TX USA 77093
Information Telephone Number: 1-713-691-6468
Emergency Telephone Number: 1-800-424-9300 (Chemtrec) 24 hours every day

2. HAZARDS IDENTIFICATION

Classification

Classification of the product is in accordance with 29CFR 1910.1200

Acute toxicity – Oral	Category 5
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1

Label elements

Emergency Overview

Warning

Hazard statements

May cause an allergic skin reaction
Causes serious eye irritation
May be harmful if swallowed



Appearance: Opaque

Physical State: Liquid

Odor: Slight fermentation odor



Safety Data Sheet Micro-Blaze® Out

Precautionary Statements – Prevention

Wear eye/face protection. Wear protective gloves. Avoid breathing dust/fume/gas/mist/vapors/spray.

Precautionary Statements – Response

Eyes	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Skin	IF ON SKIN: Gently wash with plenty of soap and water
Inhalation	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Precautionary Statements – Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

Precautionary Statements – Disposal

Dispose of unused product and container in accordance with all applicable local and regional requirements

Hazards not otherwise classified (HNOC)

Not applicable

Other information

Health Hazard	1
Fire Hazard	0
Reactivity	0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	Weight - %
Water and Proprietary Viable Spore Forming Cultures	> 60
Ammonium Lauryl Sulfate	> 30
Proprietary blend of Ethoxylated Alcohols and other Organic Materials	1.0 – 3.0
Additives	0.1 – 0.8
Polysaccharide Xanthum Gum	0.1 <

Note: Micro-Blaze Out® does not contain PFOS, PFAS or any other fluorosurfactant



Safety Data Sheet Micro-Blaze® Out

4. FIRST AID MEASURES

First aid measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
Skin Contact	Wash off immediately with soap and plenty of water
Inhalation	Move to fresh air
Ingestion	Clean mouth with water and afterwards drink plenty of water

Most important symptoms and effects, both acute and delayed

Main symptoms No information available

Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Specific Hazards Arising from the Chemical

No information available

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation

Environmental precautions

Environmental Precautions It is not anticipated to be hazardous for the environment

Methods and material for containment and cleaning up

Methods for Clean-up Pick up and transfer to properly labeled containers



Safety Data Sheet Micro-Blaze® Out

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place

Packaging Material There could be many packaging types for the product. The details are given in other Verde Environmental, Inc. documents

Incompatible Materials Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Individual protection measures, such as personal protective equipment

Eye Protection Avoid contact with eyes

Skin and body protection No special technical protective measures are necessary

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practices

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Tan, Opaque
Odor	Pleasant (perfume)
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>
pH	7.0 – 8.0
Melting/freezing point	freeze at 0°C/32°F
Evaporation rate VALUE	No information available
Flammability (solid, gas)	Not flammable
Burning rate 100mm VALUE	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific gravity	No information available
Water solubility	99%



Safety Data Sheet Micro-Blaze® Out

Solubility in other solvents	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity of product	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available
<u>Other Information</u>	
Softening Point	No information available
VOC Content	No information available
Density	No information available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions

Possibility of Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight

Incompatible materials

Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures

Hazardous Decomposition Products

No information available

11. Toxicological Information

Information on likely routes of exposure

Inhalation	There is no data available for this product
Eye contact	Avoid contact with eyes. Severely irritating to eyes
Skin contact	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion	Ingestion may cause stomach discomfort



Safety Data Sheet Micro-Blaze® Out

Information on toxicological effects

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization May cause sensitization of susceptible persons
Mutagenic Effects No information available
Reproductive Effects No information available
Specific target organ systemic toxicity No information available
Aspiration hazard No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

None known

Chemical Name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Ammonium Lauryl Sulfate				EC50 = 10452 mg/L 48h

Persistence/Degradability

The organic components of the product are biodegradable.

Bioaccumulation/Accumulation

No information available

Other adverse effects

No known effect

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method Dispose of contents/container in accordance with local regulation

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

Transport regulations: No dangerous goods according to transport regulations
No special precautions required

Transport hazard class(es): N/A



Safety Data Sheet Micro-Blaze® Out

Packing group: N/A

Environmental hazards: N/A

15. REGULATORY INFORMATION

International Inventories

Legend:

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and 40 CFR Part 372.

SARA 311/312 Hazardous

Categorization

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

State Right-to-Know

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

Canada



Safety Data Sheet Micro-Blaze® Out

WHMIS Statement

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. OTHER INFORMATION

Revision date: 01.22.2021

Revision Summary

No information available

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Furthermore, as the conditions of use are beyond the control of Verde Environmental, Inc., it is the responsibility of the customer to determine the conditions of safe use of this preparation.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 560391

QUESTIONS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 560391
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2530359265
Incident Name	NAPP2530359265 CORNWALL FEDERAL #001H @ 30-005-64373
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-005-64373] CORNWALL FEDERAL #001H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	CORNWALL FEDERAL #001H
Date Release Discovered	10/30/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil 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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Separator Crude Oil Released: 45 BBL Recovered: 30 BBL Lost: 15 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 560391

QUESTIONS (continued)

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 560391
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

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: Sally Carttar Title: Consultant Email: scarttar@vertex.ca Date: 03/05/2026
--	---

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QUESTIONS, Page 3

Action 560391

QUESTIONS (continued)

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 560391
	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 300 and 500 (ft.)
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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	34000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	18110
GRO+DRO (EPA SW-846 Method 8015M)	11110
BTEX (EPA SW-846 Method 8021B or 8260B)	61
Benzene (EPA SW-846 Method 8021B or 8260B)	2.7

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	04/05/2026
On what date will (or did) the final sampling or liner inspection occur	05/30/2026
On what date will (or was) the remediation complete(d)	05/30/2026
What is the estimated surface area (in square feet) that will be reclaimed	27344
What is the estimated volume (in cubic yards) that will be reclaimed	506
What is the estimated surface area (in square feet) that will be remediated	36114
What is the estimated volume (in cubic yards) that will be remediated	802

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 560391

QUESTIONS (continued)

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 560391
	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	fEEM0112338393 GANDY MARLEY LANDFARM/LANDFILL
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.)	Yes
(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: Sally Carttar Title: Consultant Email: scarttar@vertex.ca Date: 03/05/2026
--	---

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 560391

QUESTIONS (continued)

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 560391
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 560391

QUESTIONS (continued)

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 560391
	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	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	No

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Phone: (505) 476-3441

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Phone: (505) 629-6116

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State of New Mexico
Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

CONDITIONS

Action 560391

CONDITIONS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 560391
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Site Remediation Work Plan is approved.	3/16/2026