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Sent: Wednesday, October 12, 2022 10:40 AM
To: Hornosky, Tim <hornostr@dhec.sc.gov>
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Subject: FPE Edgefield - Field Source Testing Report

*** Caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. *** Tim,

Attached is the final report for the Source Field Testing. Based on the demonstration that the soils are readily amenable to treatment, we have secured funding to proceed with Work Plan Development and Bid Documents. I expect to have a Work Plan to perform the source remediation in 4-6 weeks. At that point, we should meet and review the plans and schedule.

Let me know if you have questions. Thanks.

<u></u>__ de maximis, inc.

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SOURCE AREA REMOVAL AND TREATMENT FIELD TEST RESULTS FORMER FEDERAL PACIFIC ELECTRIC COMPANY SITE EDGEFIELD, SOUTH CAROLINA

Prepared for

de maximis, inc. 450 Montbrook Lane Knoxville, TN 37919

Prepared by

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September 22, 2022

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Background:

Based on the historic soil data collected and reported for the FPE Edgefield Site (Site), including the *Phase II Source Area Investigation Report*, Arcadis, 15DEC2014, and *Phase III Source Area Investigation Report*, Arcadis, 27JAN2016, three primary source areas have been identified: Area 1—Drum Burial Area; Area 7—Degreasing Operational Area; and Area 8—Former Paint Bed Drying Area. A summary of work performed within each primary source areas is provided below:

Area 1—Drum Burial Area (DBA)

Drum excavation activities completed in 1999 are summarized in ATC's Report of Drum Removal Activities. The report explains the breakdown of the DBA into 11 excavation areas ranging in depths from 3 to 11 feet. The three largest areas (Area D, H, and J identified in the ATC report) covered most of the area and were excavated to depths ranging from 6 to 11 ft. Clean backfill was reported to be used in the excavated areas. Backfill was completed with the stockpiled soils from the area that were not stained or highly impacted.

Area 7—Degreasing Operational Area (DOA)

The former manufacturing building was demolished in 2015, leaving only the building slab in place. The DOA characterization included samples from under the slab and no work altering the soils was reported to be completed in that area.

Area 8—Paint Bed Drying Area (PBDA)

When excavating in 1997, ATC and their subcontractor excavated to approximately 12-14 feet. Excavation was stopped to prevent the excavation of groundwater. According to the 1997 "Former Paint Sludge Drying Bed Closure Report," the soil became increasingly moist, indicative of groundwater saturation. The report also specifies clean backfill was brought in to fill the excavated areas back to previous grade. With operation of the onsite pumping since 2009, the depth to water has increased 10-15 feet.

The source areas are presented on the Field Test Soil Sampling Locations Figure 1.

Remedial alternatives outside of the on-site and off-site pumping operations were evaluated. Source Area Removal and Treatment (SART) was chosen as the most cost-effective alternative with which to proceed. Based on the previous data and work completed in these areas, a Field Test was deemed necessary.

A Field Test Work Plan (July 18, 2022) was completed and approved by SCDHEC by letter July 22, 2022, to evaluate the treatment alternative.

The Field Test was performed to collect soil samples for soil lithology confirmation and an evaluation of the proposed treatment method. Knowledge and data gained from this Field Test will be used to support the development of the SART Work Plan.

Introduction and Objectives:

The goal of this Field Test was to obtain data that will optimize and aid in the preparation of the SART Work Plan. Specific objectives of the Field Test Plan were to:

- 1. Provide confirmation of subsurface lithology, % moisture, total organic carbon (TOC) and specified chlorinated hydrocarbon contaminants data for 1,2-dichloroethane (1,2-DCE), tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride (VC) from each of the 3 proposed excavation areas.
- 2. Evaluate the treatment efficiency of a 16-day soil treatment time for the specified CHCs.
- **3.** Determine if the addition of a peroxide solution to the excavated soils will increase the destruction efficiency and decrease treatment time of the specified chlorinated hydrocarbon contaminants 1,2-DCE, PCE, TCE, and VC.

Scope of Work:

The scope of work consisted of collecting soil borings from each of the 3 proposed soil excavation areas. The soil borings were obtained using a Geoprobe 7822. Most soil cores were collected from all 3 areas using a standard 5-foot macro-core (1.75") with an acetate liner. A 2-foot macro-core (1.75") was used at DBA-22 and PBDA-22 for 1 sample each due to difficulty in obtaining a sample. The source areas and boring locations are presented on the Field Test Soil Sampling Locations, **Figure 1**.

Field Test Preparation:

- Prior to mobilization for the field activities, O&M, Inc. updated the site-specific health and safety plan to include requirements for soil sampling with a Geoprobe. A Job Safety Analysis (JSA) was completed for the Geoprobe activities.
- On July 18, 2022, the boring locations were marked by a local surveyor and the subsurface utilities and obstructions around the intrusive work area were verified and marked by Arcadis.
- On July 19, 2022, the area for Field Testing the soil piles was designated and prepared for soil cores. This area was located inside the Warehouse building next to the Treatment System building.
- On July 20, 2022 (Day 0), a daily tailgate safety meeting was conducted that provided the day's activities and the potential hazards with the associated work activities.
- Due to issues with rain and winds the soil piles were not placed outside on the former building foundation. On July 20, 2022 (Day 0), black plastic sheeting was placed on the concrete floor of the testing area in the Warehouse. Each area was labeled with the appropriate excavation location and sample depth.

Soil Boring/Field Testing Activities:

- 1. Field activities were initiated on July 20, 2022 (Day 0).
- 2. The Geoprobe was staged at the first boring location. The first location was DBA-22, the second PBDA-22 and the third was DOA-22.
- 3. The sampling equipment was driven to the appropriate depth interval and a soil core sample collected.

Core samples collected at DBA-22 were from 5-10 feet, 10-15 feet and 15-20 feet below land surface (bls). A 2-foot macro-core (1.75") was used at DBA-22 from 18-22 feet due to difficulty in obtaining a sample.

Core samples collected from PBDA-22 were from 5-10 feet, 15-20 feet, 25-30 feet, 30-35 feet and 35-40 feet bls. The sample from 22-25 feet bls was lost due to damage to the acetate liner. A 2-foot macro-core (1.75") was used at PBDA-22 at 35-38 feet due to difficulty in obtaining a sample.

Core samples collected from DOA-22 were from 10-15 feet, 20-25 feet and 25-30 feet bls.

The boring depth intervals are presented in **Table 1**.

- 4. After collecting the soil core, the field geologist placed liner caps on the ends and carried to the designated area.
- 5. The acetate liner was opened by the field geologist. Photographs of each soil core were taken. Soil core photographs are presented in *Attachment A*.
- Each of the soil cores were screened at multiple depths with a photoionization detector (PID) for the presence of CHCs and recorded in the PID tables. The soil core PID readings are presented in Table 2.
- 7. The field geologist completed a soil core log to provide the lithology. Soil core logs are presented in *Attachment B*.
- 8. The PID readings from the soil cores were higher than indicated from the previous sampling activities. Based on these readings, multiple samples, instead of the single sample presented in the Work Plan, were collected from each core interval and labeled (Day 0) for offsite laboratory analysis. Soil samples were delivered to Pace Analytical Laboratories in Columbia, SC. The soil samples were analyzed for % moisture and via USEPA Method 8260D for the specified chlorinated hydrocarbon contaminants 1,2-DCE, PCE, TCE, and VC.

Based on PID readings, soil samples collected from DBA-22 were at 8 feet, 10 feet, 13 feet, 16 feet, and 19 feet bls.

Based on PID readings, soil samples collected from PBDA-22 were at 9 feet, 13 feet, 14 feet, 17 feet, 19 feet, 22 feet, 26 feet 31 feet and 36 feet bls.

Based on PID readings, soil samples collected from DOA-22 were at 12 feet, 19 feet, 22 feet, and 29 feet bls.

- 9. The soil cores were put into discreet piles and photographed. The soil pile photographs are presented in *Attachment D*. The soil from each core was evenly spread approximately 1 inch thick, on a piece of black plastic sheeting in the testing area. The soil piles were thoroughly mixed with a rake and left untouched overnight.
- 10. On July 21, 2022 (Day 1), the soil pile areas were thoroughly mixed with a rake and any clumps were broken up. Multiple PID readings were taken from each pile and recorded in the soil pile PID tables presented in *Attachment C*. A control PID reading was taken using a Sharpie marker. Soil piles were mixed periodically throughout the day and left untouched overnight.
- 11. On July 22, 2022 (Day 2), the soil pile areas were mixed. Non-homogenized samples were collected from each pile and labeled appropriately for offsite laboratory analysis. Soil samples were delivered to Pace Analytical Laboratories in Columbia, SC. The soil samples were analyzed via USEPA Method 8260D for the specified chlorinated hydrocarbon contaminants 1,2-DCE, PCE, TCE, and VC.
- 12. On July 28, 2022 (Day 8), the soil pile areas were mixed. Non-homogenized samples were collected from each pile and labeled appropriately for offsite laboratory analysis. Soil samples were delivered to Pace Analytical Laboratories in Columbia, SC. The soil samples were analyzed via USEPA Method 8260D for the specified chlorinated hydrocarbon contaminants 1,2-DCE, PCE, TCE, and VC.
- 13. Based on the results of the soil analytical from Day 2 and 8, the Day 16 samples were not collected.
- 14. Based on the results of the soil analytical the remaining soils from the piles were spread out on the ground surface around each respective soil boring location on September 8th, and the black plastic sheeting was disposed of using a site designated dumpster in accordance with the Field Test Work Plan.

Results

Soil Boring Activities:

The soil boring activities were completed on Day 0. The lithology of the soils collected were not consistent with soil lithology descriptions found in previous reports. The field geologist noted soils were sandier and less clayey than previously reported. In addition, there were no fat clays identified in DBA-22 as described in previous boring logs. The soils were dry and readily amenable to placement into soil piles. The photographs of the soil cores are presented in *Attachment A*. The soil core lithology descriptions are presented in the boring logs in *Attachment B*. The photographs of the soil piles are presented in *Attachment D*.

Soil Analytical Results

The PID readings recorded for the soil boring intervals were typically higher than previously reported. Subsequently, the results of the discrete samples collected from each boring location for laboratory analysis were typically higher than previously recorded.

The PID readings collected on Day 1 and Day 2 for all the soil piles were non-detect

The soil boring and soil pile PID results are presented in *Attachment C*.

The soil core analytical results completed on Day 0 are presented in Table 2.

The highest concentrations of the specified chlorinated hydrocarbon contaminants were in PBDA-22. All soil samples from this location had concentrations above both the Regional Screening Level (RSL) (industrial soil and groundwater SSL) for TCE.

At DBA-22, TCE was above the RSL (industrial soil and groundwater SSL) for DBA-22 at depth intervals 5-10 feet and 15-20 feet bls. All samples were above the RSL (groundwater SSL) for TCE. Samples collected at depth intervals 13, 16 and 19 feet were above the RSL (groundwater SSL) for PCE.

At DOA-22 all samples for the specified chlorinated hydrocarbon contaminants were below the RSL (industrial soil and groundwater SSL) but above the RSL (groundwater SSL).

For each sample location, the % moisture was consistent with the dry soils. TOC data was consistent with the sandy low organic content found in the soil core samples.

The soil pile analytical results completed on Day 2 are presented in Table 3.

Day 2 analytical results indicated significant reductions in all the soil sample specified chlorinated hydrocarbon contaminants concentrations. DBA-22, PBDA-22, and DOA-22 analysis indicated >99% reductions in concentrations in all respective soil piles. The highest specified chlorinated hydrocarbon contaminant concentration found in all soil piles was from PBDA-22 at a depth interval of 25-30 feet bls. The sample indicated a TCE concentration of 0.017 mg/kg, still a >99% reduction in contaminant mass. The soil pile analytical results completed on Day 2 are presented in **Table 3**.

The soil pile analytical results completed on Day 8 are presented in **Table 3**. The analytical results for Day 8 sampling indicated all specified chlorinated hydrocarbon contaminants were below the detection limit for all compounds.

Based on these analytical results, the Day 16 soil pile samples were not collected.

The soil laboratory analytical results are presented in *Attachment E*.

Conclusions

The purpose of this Field Test Plan was to obtain data to optimize and aid in the preparation of the SART Work Plan. Specific objectives of the Field Test Plan were to confirm the past data collected in these 3 areas, evaluate the treatment efficiency of a 16-day soil treatment timeframe and determine if addition of peroxide would increase the destruction efficiency and treatment time of the specified chlorinated hydrocarbon contaminants.

The results of the field activities indicated differences from the past data presented. The analytical results for the specified chlorinated hydrocarbon contaminants were higher than previously reported. The subsurface lithology and soil types identified were sandier and had less clay content than previously reported. The % moisture and TOC levels were very low, which is typical for the type of soils encountered.

The results did indicate that the proposed treatment of the excavated soils on the former building foundation may pose several issues. Due to the dryness of the soils encountered, dust control and containment of the soil piles may be an issue. Based on these field conditions, it is recommended that the initial short-term

treatment of the soils be completed on the former building foundation then moved into the warehouse for continued treatment, if needed, where conditions could be effectively controlled.

The soils conditions identified by these work activities indicate that they would be amenable and readily treated by the proposed SART activities.

The type of soils, dryness of the soils, TOC levels, PID readings and analytical results indicate that the proposed 16-day treatment timeframe may not be required. The results indicated that a 2 to 8-day timeframe would most likely be adequate. The results indicate that the overall project treatment timeframe may not be dependent on treatment activities but may be dependent on the excavation activities and confirmatory soil analytical turnaround time.

Based on the results of the field activities, the addition of peroxide or other remedial enhancement type products is not required.

The overall goals and objectives for the Field Test were achieved. The results of the Field Test provided adequate updated site data for optimization of the proposed SART activities.



<u>Table 1</u>

Boring Depth Intervals

Area	Former Boring Location	Current Boring Location	Boring Sample Depth Interval (Feet)					
		Drum Burtai Area	5 to 10					
1		DRA-22	10 to 15					
1	DBA-01		15 to 20					
	I							
			10 to 15					
7	B-41	DOA-22	20 to 25					
			25 to 30					
		Paint Bed Drying Area						
			5 to 10					
			15 to 20					
8	B-55B	PBDA-22	25 to 30					
			30 to 35					
			35 to 40					

Table 2

Soil Core Sampling Analytical Results

Area	Location	Soil Core Sample Depth (ft)	Analytical Data										
				-	7/2	0)))						
	Drum Burial Area		PCE (mg/kg)	TCE (mg/kg)	1,2-DCE	Vinyl Chloride	Core PID Readings (ppm)	TOC (mg/kg)	% Moisture				
		8	ND	28	3.2UQ	3.2UQ	400	2000	14.9				
		10	ND	0.23	0.0053 U	0.005.3 U	300.00	240	12.4				
1	DBA-22	13	0.078	4.9	0.0058 U	0.0058 U	500.0	860	11.3				
		16	0.21	6.7	0.0051 U	0.0051 U	789.0	980	10.7				
		19	0.35	5.7	0.0054 U	0.0054 U	1000.0	2200	10.4				
Deg	reasing Operational	Area	PCE (mg/kg)	TCE (mg/kg)	1,2-DCE	Vinyl Chloride	PID Readings (ppm)	TOC (mg/kg)	% Moisture				
		12	0.3	2.9	5.6 U	5.6 U	54.4	310	23.8				
7	DOA-22	19	0.06	0.32	5.1 U	5.1 U	107	200 U	13.6				
	DUA-22	22	0.0083	0.096	5.3 U	5.3 U	69.1	200 U	17.6				
		29	0.52	2.8	320 U	320 U	75.7	190 J	18.9				
Forr	ner Paint Bed Drying	Area	PCE (mg/kg)	TCE (mg/kg)	1,2-DCE	Vinyl Chloride	PID Readings (ppm)	TOC (mg/kg)	% Moisture				
		9	ND	12	0.0057 U	0.0057 U	875	120 J	17.2				
		13	ND	9.3	1.1 U	1.1 U	1364	240	11.1				
		14	ND	190	7.1 UQ	7.1 UQ	1523	1500	17.6				
		17	ND	410	67 UQ	67 UQ	1268	2900	15.5				
8	PBDA-22	19	ND	4300	280UQ	280UQ	1050	1900	11.2				
		22	ND	9500	570 UQ	570 UQ	1966	3800	13.5				
		26	ND	1800	110 UQ	110 UQ	1967	2000	13.3				
		31	ND	13000	580 UQ	580 UQ	1967	3000	14.5				
		36	ND	2900	140 UQ	140 UQ	1968	1800	15.2				
NOTES:	Sample locations	were identifie Sou	ed based on da rce Area Inves	ta collected f	rom the 2016	Phase III	U = Not detected at or above the LOQ J = Estiomated result <loq and="">= DL LOQ = Limit of Quantitation 7/20/2022 data is from individual depths</loq>						
	:Value exceeds RSL (soil and ground	Both industrial water ssl)	100	6									
	:Value exceeds RSL SSL)	(Groundwater	0.0023	0.018			pile depths						

Table 3 Soil Pile Sampling Analytical Results

Area	Location	Soil Pile Analytical											
		1	7/22	2/2022 (Day 2)		7/28/20	022 (Day 8)						
l	Drum Burial Area	Soil Pile Core Depth (ft)	PCE (mg/kg)	TCE (mg/kg)	1,2-DCE	Vinyl Chloride	PCE (mg/kg)	TCE (mg/kg)	1,2-DCE	Vinyl Chloride			
		5'-10' Pile 1	0.0069 U	0.0071 U	0.0069 U	0.0069 U	0.0064 U	0.0064 U	0.0064 U	0.0064 U			
1	DBA-22	10'-15' Pile 2	0.0052 U	0.0052 U	0.0052 U	0.0052 U	0.0061 U	0.0061 U	0.0061 U	0.0061 U			
		15'-20' Pile 3	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0061 U	0.0061 U	0.0061 U	0.0061 U			
Degrea	asing Operational Area	Soil Pile Core Depth (ft)	PCE (mg/kg)	TCE (mg/kg)	1,2-DCE	Vinyl Chloride	PCE (mg/kg)	TCE (mg/kg)	1,2-DCE	Vinyl Chloride			
		10'-15' Pile 1	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U			
7	DOA-32	20'-25' Pile 2	0.0063 U	0.0063 U	0.0063 U	0.0063 U	0.0061 U	0.0061 U	0.0061 U	0.0061 U			
	DUA-22	25'-30' Pile 3	0.0073 U	0.0073 U	0.0073 U	0.0073 U	0.0053 U	0.0053 U	0.0053 U	0.0053 U			
		Clay Pile 4	0.0070 U	0.0070 U	0.0070 U	0.0070 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U			
Forme	r Paint Bed Drying Area	Soil Pile Core Depth (ft)	PCE (mg/kg)	TCE (mg/kg)	1,2-DCE	Vinyl Chloride	PCE (mg/kg)	TCE (mg/kg)	1,2-DCE	Vinyl Chloride			
		5'-10' Pile 1	0.0056 U	0.0056U	0.0056U	0.0056U	0.0062 U	0.0062 U	0.0062 U	0.0062 U			
		15'-20' Pile 2	0.0065 U	0.0031 J	0.0065 U	0.0065 U	0.0064 U	0.0064 U	0.0064 U	0.0064 U			
8	PBDA-22	25'-30' Pile 3	0.0059 U	0.017	0.0059 U	0.0059 U	0.0062 U	0.0062 U	0.0062 U	0.0062 U			
		30'-35' Pile 4	0.0061 U	0.0061 U	0.0061 U	0.0061 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U			
		35'-40' Pile 5	0.0063 U	0.0025 J	0.0063 U	0.0063 U	0.0060 U	0.0060 U	0.0060 U	0.0060 U			
NOTES:	Sample locations were iden	tified based on d Inve	ata collected	from the 201	6 Phase III S	Source Area	U = Not de	etected at or LOQ ated result	r above the <loq and<="" th=""><th></th></loq>				
	:Value exceeds RSL (Both inc groundwater s	dustrial soil and sl)	100	6			LOQ = L 7/20/2022	>= DL imit of Quar data is from	าtitation า individual				
	:Value exceeds RSL (Grou	ndwater SSL)	0.0023	0.018			7/22-7/28 sc						

ATTACHMENT A

SOIL CORE PHOTOGRAPHS



Figure 1). Location: DBA Depth: 1-5 ft



Figure 2). Location: DBA Depth: 5-10 ft



Figure 3). Location: DBA Depth: 10-15 ft



Figure 4). Location: DBA Depth: 15- 20 ft



Figure 5). Location: PBDA Depth: 5-10 ft



Figure 6). Location: PBDA Depth: 10 ft- 15 ft



Figure 6). Location: PBDA Depth: 15-20 ft



Figure 7). Location: PBDA Depth: 20-22 ft This sample was damaged during coring process



Figure 8). Location: PBDA Depth: 25- 30 ft



Figure 9). Location: PBDA Depth: 30-35 ft



Figure 10). Location: PBDA Depth: 35-38 ft



Figure 11). Location: DOA Depth: 1-5 ft



Figure 12). Location: DOA Depth: 5-10 ft



Figure 13). Location: DOA Depth: 10-15ft



Figure 14). Location: DOA Depth: 15-20 ft



Figure 15). Location: DOA Depth: 20-25 ft



Figure 16). Location: DOA, Depth: 25ft-30ft

ATTACHMENT B

SOIL CORE LOGS

		0	&	M	l Inc.	LOG OF BORING DBA-22											
	E	Enviro	nm	enta	al Services					(Page 1 of 1)							
		F Site	EP e In dge	Edg ves efiel	gefield tigation d, SC	Date Started Date Completed Hole Diameter Drilling Method	: 7/20/22 : 7/20/22 : 3.5 in. : DPT : DT 35		Drilling Company Company Rep. Northing: Easting:	: IET : Marcello Gonzales : : : E. McKay							
┢		<u>г</u>			# 270		. 01 33			. F. WCNay							
	Depth in Feet	Surf. Elev.	NSCS	GRAPHIC		DESCRIPTIO	N										
	0-				No Sample the first 5'				7								
	- - 5_ - -		SM		Sand; White - Orange Sand, (SM), Moderate	White - Orange, Mottled, Silty - Sand, Fine to Medium Grain (SM), Moderately Hard, Weathered Mica, Dry											
	- 10-		SW		Sand; White - Orange (SW) Mica Dry	, Mottled, Fine to M	edium Grain Sand,										
	-		SM		Sand; White - Orange (SM), Moderatly Hard staining, Dry	, Mottled, Some bla , Mica, Some layers	ck grains, Silty - Sanc of Black and Brown	/,									
	15— - -		SM		Sand; White - Tan wit Sand, (SM), Moderate Slightly Moist. * Refus	h black grains, Silty ely Hard, Some colo al with 3.5" sampler	- Fine to Medium Gra r Layering at 17' to 18 r at 19' moving 5' Wes	ain 3', st									
	- 20-		SM		Sand; Same as Above	e, Refusal at 18' with	h 3.5" sampler in New	/									
	-		0101		Same as Above to 20	', Refusal with MC s	ampler at 20'										
-	-																
A_22.bo	25-																
dgeDB/																	
nples/E	-																
ech\sar	- 30 -																
ocuments\M-T	-																
s\fmckay\Do	- 35—																
C:\User	-																
08-17-2022	- - 40-																

	0	&	M	l Inc.	LOG OF BORING DOA-22									
E	Enviro	onme	enta	al Services					(Page 1 of 1)					
	F Site E F	EP E <u>e Inv</u> idge Proie	Edg /es fiel ect a	jefield tigation d, SC # 276	Date Started Date Completed Hole Diameter Drilling Method Sampling Method	: 7/20/22 : 7/20/22 : 2 in. : DPT : MC		Drilling Company Company Rep. Northing: Easting: Logged By	: IET : Marcello Gonzales : : : F. McKay					
Depth in Feet	Surf. Elev.	nscs	GRAPHIC		DESCRIPTION									
0	CL-CH Asphalt / Clay; 2" of Asphalt / Clay; Green-Gray-Black, Clay, (CL-CH), Moderatly Plastic, Hard Slightly Moist Clay; Orange - Brown, Sandy - Clay, (CL), Low Placisty, Hard, Dry CL													
	-	CL CL-ML		Clay; Tan and Orange Moderate Plasticity, H Clay & Silt; Tan and C Silt, (CL-ML), Very low	e, Mottled, Silty - Sar lard, Slightly Moist Drange with white an v Plasticity, Hard , Sl	ndy - Clay, (CL), d Black Mica, Clay and lightly Moist	_							
- - 10-	-	SM-ML		Sand & Silt; Tan - Wh Mica, Moderatly Hard Sand & Silt: Tan - Ora	ite, Silty - Sand and , Slightly Moist	Sandy Silt, (SM-ML),	_							
-	-	SM-ML		(SM-ML), Moderitly H	ard, Slightly Moist									
15- - -	-	SC-SM		Sand; Tan & Orange, Moderatly Hard, Sligh	Mottled, Clayey - Sil tly Moist	ty - Sand, (SC-SM),	_							
- 20- -	-	GM SM		Moist Gravel; Light Gray, Si Sand; Tan & Orange, Slightly Moist, Thin Gi	lty Gravel, (GM), Mo Mottled, Silty - Sand ravel layer (.2") at 21	ist , Mica, Moderatly Hard, ,								
		CL-ML		Clay & Silt; Clay and S Hard, Slightly Moist	Silt, (CL-ML), Low PI	asticity, Moderatly	_							
- ech/samples/Ed		SM		Sand; Tan with a few Soft, Slightly Moist	Orange Layers, Silty	v - Sand, (SM), Mica,								
NUsers\fmckay\Documents\M-Tc 25 	-													
- 08-17-2022 C: - 07														

		0	&	N	l Inc.	LOG OF BORING PBDA-22								
	E	Envirc	nm	enta	al Services					(Page 1 of 1)				
-		F Sit	EP e In idge	Edo ves efiel	gefield tigation d, SC	Date Started Date Completed Hole Diameter Drilling Method	: 7/20/22 : 7/20/22 : 3.5 in. : DPT : MC		Drilling Company Company Rep. Northing: Easting:	: IET : Marcello Gonzales : : : : E. McKay				
-					# 270	Sampling Method	. MC			. F. Michay				
-	Depth in Feet	Surf. Elev.	USCS	GRAPHIC		DESCRIPTIO	N							
	-0		SM		Sand; Brown, Silty-Sa Organic Roots, Dry	and, Fine to Med. Gra	ain some Clay, (SM),							
	-		SC-SM		Sand; Brown to Red, Dry	Clayey-Silty- Sand, (SC-SM), Hard, Mica,							
	- 5-		SC		Sand; Red, Clayey - S	Sand, Some silt,(SC)	, Mica, Hard, Dry							
	-		SM		Sand; Red - Brown, S Dry	Silty Sand, Some Clay	y, (SM), Mica, Hard,							
	-		SC-SM		Sand; Orange - Tan, Hard, Dry	Clayey-Silty-Sand, (S	SC-SM), Moderatly							
	10—		SC-SM		Sand; Tan - Orange,	Clayey-Silty-Sand, (S	SC-SM), Slightly Moist	-						
	-		SC-SM		(SC-SM), Moderatly F	lard, Slightly Moist								
			SC-SM		Sand; Tan - Orange, (SC-SM), Some Laye Black Mica, Moderatly	Clayey - Silty - Fine t rs of Red & White wi ⁄ Hard, Slightly Moist	to Medium Sand, th Dark Brown to t							
	- 15		SM		Sand; Tan, Silty - Cla Moderatly Hard, Sligh	yey - Fine to Medium tly Moist	n Grain Sand, (SM),							
	-		SM		Sand; Tan to Pink, Sil (SM), Moderatly Hard	lty - Clayey - Fine to , Slightly Moist	Medium Grain Sand,							
	- 20— -		SC-SM		Sand; Tan some Orar Hard, Slightly Moist	nge, Mottled, Clayey	- Silty - Sand, (SC-SM),							
A_22.bor	-		Lost		Lost Sample									
\EdgePBD,	20-		SM		Sand; Tan, Silty - Fine Moderatly Hard, Sligh	e to Medium Grain Sa tly Moist	and, (SM), Mica,							
samples	-		GC	0.000	Gravel; Brown and W in Gravel, (GC),	hite, Mottled, Clay w	ith Silt and some Sand							
4-Tech∖	30—		SM		Sand; Tan - White, M Hard, Slightly Moist	ottled, Silty - Sand, (SM), Mica, Moderatly							
Iments∖N	-		SM		Sand; Tan - Light Tan Mica, Moderatly Hard	n, Silty - Fine - Mediu , Slightly Moist	m Grain Sand, (SM),							
(ay/Docu	-		SM		Sand; White - Tan, Si grains, (SM), Mica, M	lty - Fine - Medium G oderatly Hard, Slight	Grain Sand, Few Coarse ly Moist							
srs\fmck	35—		SM		Sand, White - Pink so (SM), Moderatly Hard	me Orange layers, N , Slightly Moist	Nottled, Silty - Sand,							
22 C:\Use	-		SM		Sand; Tan - Pink with (SM), Moderatly Hard	some Orange Layer , Moist to Wet	s, Mottled, Silty - Sand,							
3-17-20	-]	Total Depth (TD) 38.0)'		لــــر						
õ	40	1	1											

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ATTACHMENT C

SOIL PILE PID TABLES

									ΑΤΤΑ	СНМ	ENT	С							
								:	Soil Pil	le PID	Tabl	es							
		Drum	n Buria	l Area	I			Р	aint Be	ed Drying Area Degreasing Operational Area									
			y 1		Da	Day 2			Day	y 1		Day 2		1		Day 1		Day 2	
4703	Rilo Pango (ft)) Depth (ft) PID (ppm			Rilo Pango (ft)	RID (nom)	Pile Range		Dopth (ft)	PID (nnm)		Pile Range	RID (nom)	Area	Rilo Rango (ft)	Dopth (ft)	RID (nom)	Rilo Pango (ft)	RID (nom)
Alea	File Kalige (it)	Deptil (It)	PID (ppin)	-	File Kalige (it)	PID (ppill)	Aiea	(ft)	Depth (It)	PID (ppili)		(ft)	PID (ppill)	Area	File Kalige (it)	Deptil (It)	FID (ppili)	Flie Range (it)	Pib (ppili)
		6	ND			ND			5	ND			ND			10	ND		ND
	(5-10) Pile 1	7	ND		(5-10)	ND			6	ND			ND			11	ND		ND
		8	ND		Plie 1	ND		(5-10) Pile 1	7	ND		(5-10) Pile 1	ND		(10-15) Pile 1	12	ND	(10-15) Pile 1	ND
		9	ND			ND			8	ND			ND			13	ND		ND
	(10-15) Pile 2	10	ND	(1		ND			9	ND		ND			14	ND		ND	
		11	ND			ND			10	ND			ND			15	ND		ND
DBA		12	ND		(10-15) Pile 2	ND	-	(15-20) Pile 2	15	ND			ND			20	ND		ND
		13	ND			ND	PBDA		16	ND	(15-20) Pile 2 (25-30) Pile 3	ND		DOA (20-25) Pile 2	21	ND	-	ND	
		14	ND			ND			17	ND		ND	DOA		22	ND	(20-25) Pile 2	ND	
		15	ND	-		ND			18	ND		ND			23	ND		ND	
	(15-20) Pile 3 -	16	ND			ND			19	ND			ND			24	ND		ND
		17	ND		(15-20) Pile 3	ND		(25-30) Pile 3	25	ND			ND		25	ND	-	ND	
	(18	ND		(ND			26	ND		(ND			26	ND		ND
		19	ND			ND			27	ND		(25-30) Pile 3	ND		(25-30) Pile 3	27	ND	(25-30) Pile 3	ND
		20	ND			ND			28	ND			ND			28	ND	(25 56) 1 110 5	ND
									29	ND			ND			29	ND		ND
									30	ND			ND			30	ND		ND
								(22.27) 51	31	ND		(22.25) 21	ND		(Clay)			(Clay)	ND
								(30-35) Pile 4	32	ND		(30-35) Pile 4	ND						
									33	ND			ND						
									34	ND			ND						
									35	ND			ND						
								36	ND			ND							
								(35-40) Pile	37	ND		(35-40) Pile	ND						
								5	38	ND		5	ND						
									39	ND			ND						
									40	ND			ND						

ATTACHMENT D

SOIL PILE PHOTOGRAPHS



Figure 1). **DBA PILE- 1**(5'-10'), **2**(10'-15'), **3**(15'-20')



Figure 2). **PBDA PILE- 1**(5'-10'), **2**(15'-20'), **3**(25'-30'), **4**(30'-35'), **5**(35'-40')



Figure 3). DOA PILE- 1(10'-15'), 2(20'-25'), 3(25'-30'), 4(Clay)

ATTACHMENT E

SOIL LABORATORY ANALYTICAL RESULTS



Report of Analysis

O & M, Inc. 450 Montbrook Lane Knoxville, TN 37919 Attention: Christopher Fuerst

Project Name: 276 Edgefield FPE Project Number: 276 Lot Number:**XG20060** Date Completed:08/04/2022

ath

08/07/2022 11:50 PM Approved and released by: Project Manager II: **Cathy S. Dover**





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Pace Analytical Services, LLC (*formerly Shealy Environmental Services, Inc.*) 106 Vantage Point Drive West Columbia, SC 29172 Tel: 803-791-9700 Fax: 803-791-9111 www.pacelabs.com

Case Narrative O & M, Inc. Lot Number: XG20060

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report. Where sampling is conducted by the client, results relate to the accuracy of the information provided, and as the samples are received.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Pace is a TNI accredited laboratory; however, the following analyses are currently not listed on our TNI scope of accreditation: Drinking Water: VOC (excluding BTEX, MTBE, Naphthalene, & 1,2-dichloroethane) EPA 524.2, E. coli and Total coliforms SM 9223 B-2004, Solid Chemical Material: TOC Walkley-Black, Biological Tissue: All, Non-Potable Water: SGT-HEM EPA 1664B, Silica EPA 200.7, Boron, Calcium, Silicon, Strontium EPA 200.8, Bicarbonate, Carbonate, and Hydroxide Alkalinity SM 2320 B-2011, SM 9221 C E-2006 & SM 9222D-2006, Strontium SW-846 6010D, VOC SM 6200 B-2011, Fecal Coliform Colilert-18.

Where applicable, all soil sample results (including LOQ and DL if requested) are corrected for dry weight unless flagged with a "W" qualifier.

VOA 8260D

Insufficient sample volume was provided to perform matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 49594. An LCS/LCSD was run in lieu of an MS/MSD. Associated samples: XG20060-005 (DBA-22-D19) and XG20060-018 (DOA-22-F29)

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 49712 exceeded acceptance criteria for the following analytes: Tetrachloroethene (134%). This analyte was biased high and were not detected in the associated samples: XG20060-001, XG20060-007, XG20060-008, XG20060-009, XG20060-010, and XG20060-011.

XG20060-001 (DBA-22-A08) (Run 1) (Analysis Batch 49712) XG20060-007 (PBDA-22-B13) (Run 1) (Analysis Batch 49712) XG20060-008 (PBDA-22-D14) (Run 1) (Analysis Batch 49712) XG20060-009 (PBDA-22-C17) (Run 1) (Analysis Batch 49712) XG20060-010 (PBDA-22-C19) (Run 1) (Analysis Batch 49712) XG20060-011 (PBDA-22-D22) (Run 1) (Analysis Batch 49712)

Surrogate recovery for the following samples was outside of acceptance limits: XG20060-001, XG20060-008, XG20060-009, XG20060-010, and XG20060-011. These samples were analyzed at a high dilution; therefore, re-analysis was not performed.
SC DHEC No: 32010001 NELAC No: E87653 NC DENR No: 329 NC Field Parameters No: 5639
--

XG20060-001 (DBA-22-A08) (Run 1) (Analysis Batch 49712) XG20060-008 (PBDA-22-D14) (Run 1) (Analysis Batch 49712) XG20060-009 (PBDA-22-C17) (Run 1) (Analysis Batch 49712) XG20060-010 (PBDA-22-C19) (Run 1) (Analysis Batch 49712) XG20060-011 (PBDA-22-D22) (Run 1) (Analysis Batch 49712)

Tetrachloroethene was reported as an estimated value in sample XG20060-005 (DBA-22-D19) as the result was above the upper calibration level. The sample was re-analyzed from the medium level (methanol) vial, but was not reported due to the result being below the LOQ; therefore, only the low level was reported.

The laboratory control sample (LCS) for analytical batch 49713 exceeded acceptance criteria for the following analytes: Tetrachloroethene (133%>. This analyte was marginally biased high and was not detected in the associated samples: XG20060-012 (PBDA-22-E26), XG20060-013 (PBDA-22-F31), and XG20060-014 (PBDA-22-G36).

Surrogate recovery for the following samples was outside of acceptance limits: XG20060-012 (PBDA-22-E26), XG20060-013 (PBDA-22-F31), and XG20060-014 (PBDA-22-G36). This sample was diluted outside of calibration range; therefore, re-analysis was not performed.

Trichloroethene was reported as an estimated value in samples XG20060-002 (DBA-22-A10), XG20060-004 (DBA-22-C16), XG20060-015 (DOA-22-C12) and XG20060-018 (DOA-22-F29) as the result was above the upper calibration level. The sample was re-analyzed from the medium level (methanol) vial, but was not reported due to the result being below the LOQ; therefore, only the low level was reported.

The Toluene-d8 surrogate recovery for sample XG20060-018 (DOA-22-F29) was outside of acceptance limits @ 140%. Only tetrachloroethene is being reported as an estimated value due to the diluted result being below the LOQ in the Run 3.

If you have any questions regarding this report, please contact the Pace Project Manager listed on the cover page.

Sample Summary O & M, Inc. Lot Number: XG20060 Project Name: 276 Edgefield FPE Project Number: 276

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	DBA-22-A08	Solid	07/20/2022 1035	07/20/2022
002	DBA-22-A10	Solid	07/20/2022 1030	07/20/2022
003	DBA-22-B13	Solid	07/20/2022 1040	07/20/2022
004	DBA-22-C16	Solid	07/20/2022 1050	07/20/2022
005	DBA-22-D19	Solid	07/20/2022 1120	07/20/2022
006	PBDA-22-A09	Solid	07/20/2022 1205	07/20/2022
007	PBDA-22-B13	Solid	07/20/2022 1215	07/20/2022
008	PBDA-22-D14	Solid	07/20/2022 1220	07/20/2022
009	PBDA-22-C17	Solid	07/20/2022 1225	07/20/2022
010	PBDA-22-C19	Solid	07/20/2022 1235	07/20/2022
011	PBDA-22-D22	Solid	07/20/2022 1245	07/20/2022
012	PBDA-22-E26	Solid	07/20/2022 1300	07/20/2022
013	PBDA-22-F31	Solid	07/20/2022 1310	07/20/2022
014	PBDA-22-G36	Solid	07/20/2022 1320	07/20/2022
015	DOA-22-C12	Solid	07/20/2022 1350	07/20/2022
016	DOA-22-D19	Solid	07/20/2022 1400	07/20/2022
017	DOA-22-E22	Solid	07/20/2022 1410	07/20/2022
018	DOA-22-F29	Solid	07/20/2022 1415	07/20/2022

(18 samples)

PACE ANALYTICAL SERVICES, LLC

Detection Summary O & M, Inc. Lot Number: XG20060 Project Name: 276 Edgefield FPE Project Number: 276

Sampl	e Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	DBA-22-A08	Solid	TOC	Walkley-Black	2000		mg/kg	7
001	DBA-22-A08	Solid	Trichloroethene	8260D	28000	Q	ug/kg	8
002	DBA-22-A10	Solid	TOC	Walkley-Black	240		mg/kg	9
002	DBA-22-A10	Solid	Trichloroethene	8260D	230	Е	ug/kg	10
003	DBA-22-B13	Solid	TOC	Walkley-Black	860		mg/kg	11
003	DBA-22-B13	Solid	Tetrachloroethene	8260D	78		ug/kg	12
003	DBA-22-B13	Solid	Trichloroethene	8260D	4900		ug/kg	12
004	DBA-22-C16	Solid	TOC	Walkley-Black	980		mg/kg	13
004	DBA-22-C16	Solid	Tetrachloroethene	8260D	210	Е	ug/kg	14
004	DBA-22-C16	Solid	Trichloroethene	8260D	6700		ug/kg	14
005	DBA-22-D19	Solid	TOC	Walkley-Black	2200		mg/kg	15
005	DBA-22-D19	Solid	Tetrachloroethene	8260D	350	Е	ug/kg	16
005	DBA-22-D19	Solid	Trichloroethene	8260D	5700		ug/kg	16
006	PBDA-22-A09	Solid	TOC	Walkley-Black	120	J	mg/kg	17
006	PBDA-22-A09	Solid	Trichloroethene	8260D	12000		ug/kg	18
007	PBDA-22-B13	Solid	TOC	Walkley-Black	240		mg/kg	19
007	PBDA-22-B13	Solid	Trichloroethene	8260D	9300		ug/kg	20
800	PBDA-22-D14	Solid	TOC	Walkley-Black	1500		mg/kg	21
800	PBDA-22-D14	Solid	Trichloroethene	8260D	190000	Q	ug/kg	22
009	PBDA-22-C17	Solid	TOC	Walkley-Black	2900		mg/kg	23
009	PBDA-22-C17	Solid	Trichloroethene	8260D	410000	Q	ug/kg	24
010	PBDA-22-C19	Solid	TOC	Walkley-Black	1900		mg/kg	25
010	PBDA-22-C19	Solid	Trichloroethene	8260D	4300000	Q	ug/kg	26
011	PBDA-22-D22	Solid	TOC	Walkley-Black	3800		mg/kg	27
011	PBDA-22-D22	Solid	Trichloroethene	8260D	9500000	Q	ug/kg	28
012	PBDA-22-E26	Solid	TOC	Walkley-Black	2000		mg/kg	29
012	PBDA-22-E26	Solid	Trichloroethene	8260D	1800000	Q	ug/kg	30
013	PBDA-22-F31	Solid	TOC	Walkley-Black	3000		mg/kg	31
013	PBDA-22-F31	Solid	Trichloroethene	8260D	13000000	Q	ug/kg	32
014	PBDA-22-G36	Solid	TOC	Walkley-Black	1800		mg/kg	33
014	PBDA-22-G36	Solid	Trichloroethene	8260D	2900000	Q	ug/kg	34
015	DOA-22-C12	Solid	TOC	Walkley-Black	310		mg/kg	35
015	DOA-22-C12	Solid	Tetrachloroethene	8260D	300	Е	ug/kg	36
015	DOA-22-C12	Solid	Trichloroethene	8260D	2900		ug/kg	36
016	DOA-22-D19	Solid	Tetrachloroethene	8260D	60		ug/kg	38
016	DOA-22-D19	Solid	Trichloroethene	8260D	320		ug/kg	38
017	DOA-22-E22	Solid	Tetrachloroethene	8260D	8.3		ug/kg	40
017	DOA-22-E22	Solid	Trichloroethene	8260D	96		ug/kg	40
018	DOA-22-F29	Solid	TOC	Walkley-Black	190	J	mg/kg	41
018	DOA-22-F29	Solid	Tetrachloroethene	8260D	520	EQ	ug/kg	42
018	DOA-22-F29	Solid	Trichloroethene	8260D	2800		ug/kg	42

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Detection Summary (Continued) Lot Number: XG20060

Sample Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page

(41 detections)

Client: O & M, Inc.			Laboratory ID): XG20	060-001			
Description: DBA-22-A08	Matrix: Solid							
Date Sampled:07/20/2022 1035	Project Name: 276 Edgefield FPE		% Solids	: 85.1	07/25/2022 2048			
Date Received: 07/20/2022	Project Number: 276							
Run Prep Method 1	Analytical MethodDilutionAnalysis DateAnalyst(TOC) Walkley-Black107/28/2022 1512DMA	Prep Date	Batch 49099					
Parameter	CAS Analytical Number Method	Result Q	LOQ	DL	Units	Run		
TOC	Walkley-Black	2000	200	99	mg/kg	1		

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc. Description: DBA-22-A08 Date Sampled:07/20/2022 1035 Date Received: 07/20/2022		Project Nu Project Nu	Name: 276 Imber: 276	Edgefield FPE			Laboratory Mati % Solid	ID: XG20060-001 rix: Solid ds: 85.1 07/25/2	022 2048	
Run Prep Method 1 5035 High	Analytical Method 8260D	Dilution 10	Analys 08/01/20	is Date Analyst 022 1030 JM1	Prep	Date	Batch 49712	Sample Wt.(g) 5.40		
Parameter		Nu	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	-06-2	8260D	3200	UQ	3200	1300	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	3200	UQL	3200	1300	ug/kg	1
Trichloroethene		79	-01-6	8260D	28000	Q	3200	1300	ug/kg	1
Vinyl chloride		75-	-01-4	8260D	3200	UQ	3200	1900	ug/kg	1
Surrogate	Q %	Run 1 Recovery	Acceptar Limits	nce						
Bromofluorobenzene	N	147	47-138	3						
1,2-Dichloroethane-d4		105	53-142	2						
Toluene-d8	Ν	133	68-124	4						

LOQ = LIMIL OF QUANTILATION B	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ N	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time V	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.					Laboratory I	D: XG20	060-002		
Description: DBA-22-A10	Matrix: Solid								
Date Sampled:07/20/2022 1030	Pro	Project Name: 276 Edgefield FPE % Solids: 87.6 07/25/2022 2048							
Date Received: 07/20/2022	Proje	ect Numbe	er: 276						
Run Prep Method 1	Analytical Method Dilu (TOC) Walkley-Black	ution A 1 07	nalysis Date Analyst //28/2022 1526 DMA	Prep Date	Batch 49099				
Parameter		CAS Numbe	S Analytical r Method	Result Q	LOQ	DL	Units	Run	
TOC			Walkley-Black	240	200	100	mg/kg	1	

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc. Description: DBA-22-A10 Date Sampled:07/20/2022 1030 Date Received: 07/20/2022		Project Nu	Name: 27 Imber: 27	6 Edgefield FPE			Laboratory Matr % Solic	ID: XG20060-002 ix: Solid ds: 87.6 07/25/2	022 2048	
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analys 07/29/2	sis Date Analyst 2022 1550 JM1	Prep	Date	Batch 49513	Sample Wt.(g) 5.34		
Parameter		Nu	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	-06-2	8260D	5.3	U	5.3	2.1	ug/kg	1
Tetrachloroethene		127-	-18-4	8260D	5.3	U	5.3	2.1	ug/kg	1
Trichloroethene		79	-01-6	8260D	230	Е	5.3	2.1	ug/kg	1
Vinyl chloride		75	-01-4	8260D	5.3	U	5.3	3.2	ug/kg	1
Surrogate	Q %	Run 1 Recovery	Accepta Limit	ince is						
Bromofluorobenzene		105	47-13	38						
1,2-Dichloroethane-d4		108	53-14	42						
Toluene-d8		109	68-12	24						

LOQ = LIMIL OF QUANTILATION B	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ N	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time V	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.					Laboratory ID	D: XG200	060-003	
Description: DBA-22-B13					Matrix	: Solid		
Date Sampled:07/20/2022 1040	Pro	oject Nam	ne: 276 Edgefield FPE		% Solids	: 88.7	07/25/2022 2048	
Date Received: 07/20/2022	Proje	Project Number: 276						
Run Prep Method 1	Analytical Method Dilu (TOC) Walkley-Black	ution A 1 0	Analysis Date Analyst 7/28/2022 1530 DMA	Prep Date	Batch 49099			
Parameter		CA Numbe	AS Analytical er Method	Result Q	LOQ	DL	Units	Run
TOC			Walkley-Black	860	200	100	mg/kg	1

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.						La	boratory	ID: XG20060-003		
Description: DBA-22-B13							Mat	rix: Solid		
Date Sampled:07/20/2022 1040		Project N	lame: 276 Ed	gefield FPE			% Soli	ds: 88.7 07/25/2	022 2048	
Date Received: 07/20/2022		Project Nu	mber: 276	-						
Run Prep Method	Analytical Method	d Dilution	Analysis D	ate Analyst	Prep	Date	Batch	Sample Wt.(g)		
1 5035	8260E) 1	07/29/2022	1614 JM1			49513	4.83		
2 5035 High	8260D	2	08/01/2022	1807 JM1			49713	4.70		
			CAS Ar	alytical						
Parameter		Nur	nber M	Nethod	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	5.8	U	5.8	2.3	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	78		5.8	2.3	ug/kg	1
Trichloroethene		79-	01-6	8260D	4900		660	270	ug/kg	2
Vinyl chloride		75-	01-4	8260D	5.8	U	5.8	3.5	ug/kg	1
Surrogate	Q %	Run 1 Recovery	Acceptance Limits	Rur Q % Rec	n 2 Aco overy	ceptance Limits	è			
Bromofluorobenzene		104	47-138	9	9	47-138				
1,2-Dichloroethane-d4		104	53-142	8	6	53-142				
Toluene-d8		111	68-124	10)9	68-124				

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.			Laboratory ID	: XG20	060-004	
Description: DBA-22-C16			Matrix	: Solid		
Date Sampled:07/20/2022 1050	Project Name: 276 Edgefield FPE		% Solids	: 89.3	07/25/2022 2048	
Date Received: 07/20/2022	Project Number: 276					
Run Prep Method 1	Analytical Method Dilution Analysis Date Analyst (TOC) Walkley-Black 1 07/28/2022 1536 DMA	Prep Date	Batch 49099			
Parameter	CAS Analytical Number Method	Result Q	LOQ	DL	Units	Run
TOC	Walkley-Black	980	200	99	mg/kg	1

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M. Inc.						1	aboratory	ID: XG20060-004		
Description: DBA-22-C16							Mati	riv: Solid		
Data Sampled:07/20/2022 1050		Drojoct N	lamo: 276 Ed	acticld EDE				$d_{c} = 00.2 = 07/25/2$	022 2040	
Date Sampled.07/20/2022 1050		FIUJECLI	ame. 270 Lu	yeneiu i FL			70 3010	us. 07.5 07/25/2	022 2040	
Date Received: 07/20/2022		Project Nu	mber: 276							
Run Prep Method	Analytical Method	Dilution	Analysis D	ate Analyst	Prep	Date	Batch	Sample Wt.(g)		
1 5035	8260D	1	07/29/2022	1637 JM1			49513	5.46		
2 5035 High	8260D	2	08/01/2022	1830 JM1			49713	5.38		
			CAS Ar	nalytical						
Parameter		Nur	mber M	Vethod	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	5.1	U	5.1	2.1	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	210	E	5.1	2.1	ug/kg	1
Trichloroethene		79-	01-6	8260D	6700		580	230	ug/kg	2
Vinyl chloride		75-	01-4	8260D	5.1	U	5.1	3.1	ug/kg	1
Surrogate	Q %	Run 1 Recovery	Acceptance Limits	Rur Q % Rec	n 2 Ac overy	ceptanc Limits	e			
Bromofluorobenzene		107	47-138	9	9	47-138				
1,2-Dichloroethane-d4		105	53-142	8	2	53-142				
Toluene-d8		110	68-124	10)6	68-124				

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.						Laboratory ID): XG20	060-005	
Description: DBA-22-D19						Matrix	: Solid		
Date Sampled:07/20/2022 1120	Project N	Vame: 2	276 Edgefield FPE			% Solids	: 89.6	07/25/2022 2048	
Date Received: 07/20/2022	Project Nu	Project Number: 276							
Run Prep Method 1	Analytical Method Dilution (TOC) Walkley-Black 1	Anal <u>)</u> 07/28	ysis Date Analyst /2022 1544 DMA	Prep D	ate	Batch 49099			
Parameter	Nur	CAS mber	Analytical Method	Result (2	LOQ	DL	Units	Run
TOC			Walkley-Black	2200		200	100	mg/kg	1

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.						Lá	aboratory	ID: XG20060-005		
Description: DBA-22-D19							Mati	rix: Solid		
Date Sampled:07/20/2022 1120		Project N	Name: 276 Ed	gefield FPE			% Solid	ds: 89.6 07/25/2	022 2048	
Date Received: 07/20/2022		Project Nu	mber: 276							
Run Prep Method	Analytical Method	Dilution	Analysis D	ate Analyst	Prep	Date	Batch	Sample Wt.(g)		
1 5035	8260D	1	07/30/2022	1346 BBW			49594	5.13		
2 5035 High	8260D	4	08/01/2022	1053 JM1			49712	4.88		
			CAS Ar	alytical						
Parameter		Nu	mber M	Nethod	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	5.4	U	5.4	2.2	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	350	E	5.4	2.2	ug/kg	1
Trichloroethene		79-	-01-6	8260D	5700		1300	500	ug/kg	2
Vinyl chloride		75-	01-4	8260D	5.4	U	5.4	3.3	ug/kg	1
Surrogate	Q %	Run 1 Recovery	Acceptance Limits	Rur Q % Rec	n 2 Ac overy	ceptance Limits	9			
Bromofluorobenzene		104	47-138	10)1	47-138				
1,2-Dichloroethane-d4		101	53-142	8	5	53-142				
Toluene-d8		109	68-124	10)7	68-124				

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.						Laboratory ID	D: XG20	060-006	
Description: PBDA-22-A09						Matrix	: Solid		
Date Sampled:07/20/2022 1205	Project N	lame:	276 Edgefield FPE			% Solids	: 82.8	07/25/2022 2048	
Date Received: 07/20/2022	Project Nu	mber:	276						
Run Prep Method 1	Analytical Method Dilution (TOC) Walkley-Black 1	Ana 07/28	lysis Date Analyst 8/2022 1546 DMA	Prep	Date	Batch 49099			
Parameter	Nur	CAS nber	Analytical Method	Result	Q	LOQ	DL	Units	Run
TOC			Walkley-Black	120	J	200	99	mg/kg	1

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.						La	aboratory	ID: XG20060-006		
Description: PBDA-22-A09							Mati	rix: Solid		
Date Sampled:07/20/2022 1205		Project N	lame: 276 Ed	gefield FPE			% Solid	ds: 82.8 07/25/2	022 2048	
Date Received: 07/20/2022		Project Nu	mber: 276							
Run Prep Method	Analytical Method	Dilution	Analysis D	ate Analyst	Prep	Date	Batch	Sample Wt.(g)		
1 5035	8260D	1	07/29/2022	1701 JM1			49513	5.31		
2 5035 High	8260D	4	08/01/2022	1854 JM1			49713	5.32		
			CAS Ar	nalytical						
Parameter		Nur	mber M	Vethod	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	5.7	U	5.7	2.3	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	5.7	U	5.7	2.3	ug/kg	1
Trichloroethene		79-	01-6	8260D	12000		1300	540	ug/kg	2
Vinyl chloride		75-	01-4	8260D	5.7	U	5.7	3.4	ug/kg	1
Surrogate	Q %	Run 1 Recovery	Acceptance Limits	Rur Q % Rec	n 2 Ac overy	ceptanc Limits	e			
Bromofluorobenzene		105	47-138	9	9	47-138				
1,2-Dichloroethane-d4		110	53-142	8	6	53-142				
Toluene-d8		116	68-124	10)4	68-124				

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.						Laboratory ID): XG20	060-007	
Description: PBDA-22-B13						Matrix	: Solid		
Date Sampled:07/20/2022 1215	Projec	Name:	276 Edgefield FPE			% Solids	: 88.9	07/25/2022 2048	
Date Received: 07/20/2022	Project N	lumber:	276						
Run Prep Method 1	Analytical Method Dilutic (TOC) Walkley-Black 1	n Ana 07/2	Ilysis Date Analyst 8/2022 1549 DMA	Prep D	ate	Batch 49099			
Parameter	Ν	CAS umber	Analytical Method	Result	Q	LOQ	DL	Units	Run
TOC			Walkley-Black	240		200	100	mg/kg	1

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc. Description: PBDA-22-B13 Date Sampled:07/20/2022 1215 Date Received: 07/20/2022	I	Project N	Jame: 27 mber: 27	76 Edgefield FPE 76			Laboratory Matr % Solic	ID: XG20060-007 ix: Solid is: 88.9 07/25/2	022 2048	
Run Prep Method 1 5035 High	Analytical Method 8260D	Dilution 4	Analy 08/01/	rsis Date Analyst 2022 1116 JM1	Prep	Date	Batch 49712	Sample Wt.(g) 5.77		
Parameter		Nur	CAS nber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	1100	U	1100	440	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	1100	UL	1100	440	ug/kg	1
Trichloroethene		79-	01-6	8260D	9300		1100	440	ug/kg	1
Vinyl chloride		75-	01-4	8260D	1100	U	1100	660	ug/kg	1
Surrogate	Q % F	Run 1 Recovery	Accepta Limi	ance ts						
Bromofluorobenzene		103	47-1	38						
1,2-Dichloroethane-d4		88	53-1	42						
Toluene-d8		111	68-1	24						

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.			Laboratory ID): XG20	060-008	
Description: PBDA-22-D14			Matrix	: Solid		
Date Sampled:07/20/2022 1220	Project Name: 276 Edgefield FPE		% Solids	: 82.4	07/25/2022 2048	
Date Received: 07/20/2022	Project Number: 276					
Run Prep Method 1	Analytical Method Dilution Analysis Date Analyst (TOC) Walkley-Black 1 07/28/2022 1552 DMA	Prep Date	Batch 49099			
Parameter	CAS Analytical Number Method	Result Q	LOQ	DL	Units	Run
TOC	Walkley-Black	1500	190	97	mg/kg	1

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.							Laboratory	ID: XG20060-008		
Description: PBDA-22-D14							Matr	ix: Solid		
Date Sampled:07/20/2022 1220		Project	Name: 276	Edgefield FPE			% Solid	ds: 82.4 07/25/2	022 2048	
Date Received: 07/20/2022		Project Nu	umber: 276							
Run Prep Method 1 5035 High	Analytical Method 8260D	Dilution 20	n Analysis 08/01/20	s Date Analyst 22 1139 JM1	Prep	Date	Batch 49712	Sample Wt.(g) 5.05		
Parameter		Nu	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107	-06-2	8260D	7100	UQ	7100	2800	ug/kg	1
Tetrachloroethene		127	-18-4	8260D	7100	UQL	7100	2800	ug/kg	1
Trichloroethene		79	-01-6	8260D	190000	Q	7100	2800	ug/kg	1
Vinyl chloride		75	-01-4	8260D	7100	UQ	7100	4200	ug/kg	1
Surrogate	Q %	Run 1 Recovery	Acceptan Limits	се						
Bromofluorobenzene	Ν	151	47-138							
1,2-Dichloroethane-d4		108	53-142							
Toluene-d8	Ν	136	68-124							

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.	Laboratory ID: XG20060-009							
Description: PBDA-22-C17			Matrix	: Solid				
Date Sampled:07/20/2022 1225	Project Name: 276 Edgefield FPE	Project Name: 276 Edgefield FPE % Solids: 84.5 07/25/2022 20-						
Date Received: 07/20/2022	Project Number: 276							
Run Prep Method 1	Analytical MethodDilutionAnalysis DateAnalyst(TOC) Walkley-Black107/28/2022 1736DMA	Prep Date	Batch 49099					
Parameter	CAS Analytical Number Method	Result Q	LOQ	DL	Units	Run		
TOC	Walkley-Black	2900	200	99	mg/kg	1		

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.		Laboratory ID: XG20060-009								
Description: PBDA-22-C17							Matr	ix: Solid		
Date Sampled:07/20/2022 1225		Project	Name: 276	Edgefield FPE			% Solid	ds: 84.5 07/25/2	022 2048	
Date Received: 07/20/2022		Project Number: 276								
Run Prep Method 1 5035 High	Analytical Methor 8260[d Dilutior) 200	n Analysi 08/01/20	is Date Analysi)22 1203 JM1	t Prep	Date	Batch 49712	Sample Wt.(g) 5.15		
Parameter		Nu	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107	-06-2	8260D	67000	UQ	67000	27000	ug/kg	1
Tetrachloroethene		127	-18-4	8260D	67000	UQL	67000	27000	ug/kg	1
Trichloroethene		79	-01-6	8260D	410000	Q	67000	27000	ug/kg	1
Vinyl chloride		75	-01-4	8260D	67000	UQ	67000	40000	ug/kg	1
Surrogate	Q %	Run 1 Recovery	Acceptar Limits	nce						
Bromofluorobenzene	N	407	47-138	3						
1,2-Dichloroethane-d4		55	53-142	2						
Toluene-d8	Ν	216	68-124	1						

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.	Laboratory ID: XG20060-010								
Description: PBDA-22-C19						Matrix	: Solid		
Date Sampled:07/20/2022 1235	Project N	lame: 2	76 Edgefield FPE			% Solids	: 88.8	07/25/2022 2048	
Date Received: 07/20/2022	Project Number: 276								
Run Prep Method 1	Analytical Method Dilution (TOC) Walkley-Black 1	Analy 07/28/	vsis Date Analyst 2022 1751 DMA	Prep D	ate	Batch 49099			
Parameter	Nun	CAS nber	Analytical Method	Result	Q	LOQ	DL	Units	Run
TOC			Walkley-Black	1900		200	100	mg/kg	1

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.		Laboratory ID: XG20060-010								
Description: PBDA-22-C19							Mat	rix: Solid		
Date Sampled:07/20/2022 1235		Project Name: 276 Edgefield FPE % Solids: 88.8 07/25/2022 2048								
Date Received: 07/20/2022		Project Number: 276								
Run Prep Method 1 5035 High	Analytical Metho 8260	d Dilutior D 1000	n Analysi: 08/01/20	s Date Analy: 22 1226 JM1	st Prep	Date	Batch 49712	Sample Wt.(g) 5.63		
Parameter		Nu	CAS Imber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107	-06-2	8260D	280000	UQ	280000	110000	ug/kg	1
Tetrachloroethene		127	-18-4	8260D	280000	UQL	280000	110000	ug/kg	1
Trichloroethene		79	9-01-6	8260D	4300000	Q	280000	110000	ug/kg	1
Vinyl chloride		75	5-01-4	8260D	280000	UQ	280000	170000	ug/kg	1
Surrogate	Q 9	Run 1 6 Recovery	Acceptan Limits	се						
Bromofluorobenzene	Ν	972	47-138							
1,2-Dichloroethane-d4	Ν	0.00	53-142							
Toluene-d8	Ν	587	68-124							

ery is out of criteria P =	= The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
rted on wet weight basis			S = MS/MSD failure
r	ery is out of criteria P ted on wet weight basis	ery is out of criteria P = The RPD between two GC columns exceeds 40% ted on wet weight basis	ery is out of criteria $P = The RPD$ between two GC columns exceeds 40% $J = Estimated result < LOQ and \geq DLted on wet weight basis$

Client: O & M, Inc.	Laboratory ID: XG20060-011							
Description: PBDA-22-D22		Matrix: Solid						
Date Sampled:07/20/2022 1245	Project Name: 276 Edgefield FPE	Project Name: 276 Edgefield FPE % Solids: 86.5 07/25/2022 2048						
Date Received: 07/20/2022	Project Number: 276							
Run Prep Method 1	Analytical MethodDilutionAnalysis DateAnalyst(TOC)Walkley-Black107/28/2022 1756DMA	Prep Date	Batch 49099					
Parameter	CAS Analytical Number Method	Result Q	LOQ	DL	Units	Run		
TOC	Walkley-Black	3800	200	99	mg/kg	1		

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.	Laboratory ID: XG20060-011									
Description: PBDA-22-D22							Mati	rix: Solid		
Date Sampled:07/20/2022 1245		Project Name: 276 Edgefield FPE % Solids: 86.5 07/25/2022 2048								
Date Received: 07/20/2022		Project Nu	umber: 276							
Run Prep Method 1 5035 High	Analytical Methor 8260E	d Dilution 0 2000	n Analysi: 08/01/20	s Date Analy: 22 1249 JM1	st Prep	Date	Batch 49712	Sample Wt.(g) 5.83		
Parameter		Nu	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107	-06-2	8260D	570000	UQ	570000	230000	ug/kg	1
Tetrachloroethene		127	-18-4	8260D	570000	UQL	570000	230000	ug/kg	1
Trichloroethene		79	-01-6	8260D	9500000	Q	570000	230000	ug/kg	1
Vinyl chloride		75	-01-4	8260D	570000	UQ	570000	340000	ug/kg	1
Surrogate	Q %	Run 1 Recovery	Acceptan Limits	се						
Bromofluorobenzene	N	2780	47-138	}						
1,2-Dichloroethane-d4	N	0.00	53-142	2						
Toluene-d8	N	1010	68-124							

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.						Laboratory ID): XG20	060-012	
Description: PBDA-22-E26						Matrix	: Solid		
Date Sampled:07/20/2022 1300	Project N	lame: 276	Edgefield FPE			% Solids	: 86.7	07/25/2022 2048	
Date Received: 07/20/2022	Project Nu	mber: 276)						
Run Prep Method 1	Analytical Method Dilution (TOC) Walkley-Black 1	Analys 07/28/20	is Date Analyst 022 1757 DMA	Prep D	ate	Batch 49099			
Parameter	Nun	CAS nber	Analytical Method	Result (2	LOQ	DL	Units	Run
TOC		W	alkley-Black	2000		200	100	mg/kg	1

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.							Laboratory	ID: XG20060-012		
Description: PBDA-22-E26							Mat	rix: Solid		
Date Sampled:07/20/2022 1300		Project	Name: 276	Edgefield FP	E		% Soli	ds: 86.7 07/25/2	2022 2048	
Date Received: 07/20/2022		Project N	umber: 276							
Run Prep Method 1 5035 High	Analytical Metho 8260	od Dilution D 400	n Analysi: 08/01/20	s Date Analy 22 1611 JM1	st Prep	Date	Batch 49713	Sample Wt.(g) 6.24		
Parameter		Nu	CAS Imber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107	-06-2	8260D	110000	UQ	110000	43000	ug/kg	1
Tetrachloroethene		127	-18-4	8260D	110000	UQL	110000	43000	ug/kg	1
Trichloroethene		79	9-01-6	8260D	1800000	Q	110000	43000	ug/kg	1
Vinyl chloride		75	-01-4	8260D	110000	UQ	110000	65000	ug/kg	1
Surrogate	Q	Run 1 % Recovery	Acceptan Limits	се						
Bromofluorobenzene	Ν	1470	47-138							
1,2-Dichloroethane-d4	Ν	808	53-142	1						
Toluene-d8	Ν	1250	68-124							

ery is out of criteria P =	= The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
rted on wet weight basis			S = MS/MSD failure
r	ery is out of criteria P ted on wet weight basis	ery is out of criteria P = The RPD between two GC columns exceeds 40% ted on wet weight basis	ery is out of criteria $P = The RPD$ between two GC columns exceeds 40% $J = Estimated result < LOQ and \geq DLted on wet weight basis$

Client: O & M, Inc.						Laboratory ID): XG20	060-013		
Description: PBDA-22-F31		Matrix: Solid								
Date Sampled:07/20/2022 1310	Project	Name:	276 Edgefield FPE			% Solids	: 85.5	07/25/2022 2048		
Date Received: 07/20/2022	Project N	umber:	276							
Run Prep Method 1	Analytical Method Dilution (TOC) Walkley-Black 1	ר Ana 07/2	ilysis Date Analyst 8/2022 1800 DMA	Prep D	ate	Batch 49099				
Parameter	Νι	CAS umber	Analytical Method	Result (2	LOQ	DL	Units	Run	
TOC			Walkley-Black	3000		200	100	mg/kg	1	

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.							Laboratory	ID: XG20060-013		
Description: PBDA-22-F31							Mat	rix: Solid		
Date Sampled:07/20/2022 1310		Project	Name: 276 E	Edgefield FF	Έ		% Soli	ds: 85.5 07/25/2	2022 2048	
Date Received: 07/20/2022		Project N	umber: 276							
Run Prep Method 1 5035 High	Analytical Meth 8260	od Dilutior)D 2000	n Analysis 08/01/202	Date Analy 2 1634 JM ⁻	vst Prep 1	Date	Batch 49713	Sample Wt.(g) 5.94		
Parameter		Nu	CAS A mber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107	-06-2	8260D	580000	UQ	580000	230000	ug/kg	1
Tetrachloroethene		127	-18-4	8260D	580000	UQL	580000	230000	ug/kg	1
Trichloroethene		79	-01-6	8260D	13000000	Q	580000	230000	ug/kg	1
Vinyl chloride		75	-01-4	8260D	580000	UQ	580000	350000	ug/kg	1
Surrogate	Q	Run 1 % Recovery	Acceptanc Limits	e						
Bromofluorobenzene	N	3330	47-138							
1,2-Dichloroethane-d4	N	0.00	53-142							
Toluene-d8	Ν	1130	68-124							

	a Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ N	I = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time W	V = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.						Laboratory ID): XG20	060-014		
Description: PBDA-22-G36		Matrix: Solid								
Date Sampled:07/20/2022 1320	Project	Name:	276 Edgefield FPE			% Solids	: 84.8	07/25/2022 2048		
Date Received: 07/20/2022	Project N	umber:	276							
Run Prep Method 1	Analytical Method Dilution (TOC) Walkley-Black 1	Ana 08/0	Ilysis Date Analyst 2/2022 1822 DMA	Prep [Date	Batch 49583				
Parameter	Nu	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run	
TOC			Walkley-Black	1800		200	100	mg/kg	1	

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.							Laboratory	ID: XG20060-014		
Description: PBDA-22-G36							Mat	rix: Solid		
Date Sampled:07/20/2022 1320		Project	Name: 276	Edgefield FP	E		% Soli	ds: 84.8 07/25/2	2022 2048	
Date Received: 07/20/2022		Project N	umber: 276							
Run Prep Method 1 5035 High	Analytical Meth 8260	od Dilutior)D 400	n Analysi: 08/01/20	s Date Analy 22 1657 JM1	st Prep	Date	Batch 49713	Sample Wt.(g) 4.91		
Parameter		Nu	CAS Imber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107	-06-2	8260D	140000	UQ	140000	55000	ug/kg	1
Tetrachloroethene		127	-18-4	8260D	140000	UQL	140000	55000	ug/kg	1
Trichloroethene		79	9-01-6	8260D	2900000	Q	140000	55000	ug/kg	1
Vinyl chloride		75	5-01-4	8260D	140000	UQ	140000	83000	ug/kg	1
Surrogate	Q	Run 1 % Recovery	Acceptan / Limits	се						
Bromofluorobenzene	N	512	47-138							
1,2-Dichloroethane-d4	N	0.00	53-142							
Toluene-d8	N	318	68-124							

ery is out of criteria P =	= The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
rted on wet weight basis			S = MS/MSD failure
r	ery is out of criteria P ted on wet weight basis	ery is out of criteria P = The RPD between two GC columns exceeds 40% ted on wet weight basis	ery is out of criteria $P = The RPD$ between two GC columns exceeds 40% $J = Estimated result < LOQ and \geq DLted on wet weight basis$

Client: O & M, Inc.			Laboratory ID	: XG20	060-015	
Description: DOA-22-C12			Matrix	: Solid		
Date Sampled:07/20/2022 1350	Project Name: 276 Edgefield FPE		% Solids	: 76.2	07/28/2022 2248	
Date Received: 07/20/2022	Project Number: 276					
Run Prep Method 1	Analytical MethodDilutionAnalysis DateAnalyst(TOC) Walkley-Black108/02/2022 1822DMA	Prep Date	Batch 49583			
Parameter	CAS Analytical Number Method	Result Q	LOQ	DL	Units	Run
TOC	Walkley-Black	310	200	98	mg/kg	1

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M. Inc.							boratory			
Client: O & M, Inc.						Lä	aboratory	ID: XG20060-015		
Description: DOA-22-C12							Mati	rix: Solid		
Date Sampled:07/20/2022 1350		Project N	lame: 276 Ed	gefield FPE			% Solid	ds: 76.2 07/28/2	022 2248	
Date Received: 07/20/2022		Project Nu	mber: 276							
Run Prep Method	Analytical Method	Dilution	Analysis D	ate Analyst	Prep	Date	Batch	Sample Wt.(g)		
1 5035	8260D	1	07/29/2022	1725 JM1			49513	5.81		
2 5035 High	8260D	1	08/01/2022	1917 JM1			49713	5.71		
			CAS Ar	nalytical						
Parameter		Nur	mber M	Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	5.6	U	5.6	2.3	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	300	E	5.6	2.3	ug/kg	1
Trichloroethene		79-	01-6	8260D	2900		370	150	ug/kg	2
Vinyl chloride		75-	01-4	8260D	5.6	U	5.6	3.4	ug/kg	1
Surrogate	Q %	Run 1 Recovery	Acceptance Limits	Rur Q % Rec	n 2 Ac overy	ceptanc Limits	9			
Bromofluorobenzene		101	47-138	9	3	47-138				
1,2-Dichloroethane-d4		111	53-142	7	7	53-142				
Toluene-d8		108	68-124	10)2	68-124				

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.						Laboratory I	D: XG20	060-016	
Description: DOA-22-D19						Matrix	k: Solid		
Date Sampled:07/20/2022 1400	Project I	Name:	276 Edgefield FPE			% Solids	5: 86.4	07/25/2022 2048	
Date Received: 07/20/2022	Project Nu	imber:	276						
Run Prep Method 1	Analytical Method Dilution (TOC) Walkley-Black 1	Ana 08/0	Ilysis Date Analyst 2/2022 1822 DMA	Prep	Date	Batch 49583			
Parameter	Nu	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run
TOC			Walkley-Black	200	U	200	98	mg/kg	1

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.						La	aboratory	ID: XG20060-016		
Description: DOA-22-D19							Mati	rix: Solid		
Date Sampled:07/20/2022 1400		Project N	lame: 276 Ed	gefield FPE			% Solid	ds: 86.4 07/25/2	022 2048	
Date Received: 07/20/2022		Project Nu	mber: 276							
Run Prep Method 1 5035	Analytical Methoc 8260D	Dilution 1	Analysis D 07/29/2022	ate Analyst 1750 JM1	Prep	Date	Batch 49513	Sample Wt.(g) 5.63		
2 5035 High	8260D	1	08/01/2022	1940 JM1			49713	5.56		
			CAS Ar	nalytical						
Parameter		Nur	mber M	Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	5.1	U	5.1	2.1	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	60		5.1	2.1	ug/kg	1
Trichloroethene		79-	01-6	8260D	320		300	120	ug/kg	2
Vinyl chloride		75-	01-4	8260D	5.1	U	5.1	3.1	ug/kg	1
Surrogate	Q %	Run 1 Recovery	Acceptance Limits	Rur Q % Rec	n 2 Ac overy	cceptance Limits	Э			
Bromofluorobenzene		103	47-138	9	5	47-138				
1,2-Dichloroethane-d4		109	53-142	8	3	53-142				
Toluene-d8		111	68-124	10)4	68-124				

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure
Inorganic non-metals

Client: O & M, Inc.	Laboratory ID: XG20060-017										
Description: DOA-22-E22	Matrix: Solid										
Date Sampled:07/20/2022 1410	Project Name: 276 Edgefield FPE % Solids: 82.4 07/25/2022 2048										
Date Received: 07/20/2022	Project Nu	Project Number: 276									
Run Prep Method 1	Analytical MethodDilutionAnalysis DateAnalystPrep DateBatch(TOC)Walkley-Black108/02/2022 1822DMA49583										
Parameter	Nur	CAS nber	Analytical Method	Result	Q	LOQ	DL	Units	Run		
TOC			Walkley-Black	200	U	200	99	mg/kg	1		

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: O & M, Inc.						La	aboratory	ID: XG20060-017		
Description: DOA-22-E22							Matr	ix: Solid		
Date Sampled:07/20/2022 1410		Project N	lame: 276 Ec	lgefield FPE			% Solic	ds: 82.4 07/25/2	022 2048	
Date Received: 07/20/2022		Project Nu	mber: 276							
RunPrep Method1503525035	Analytical Method 8260D 8260D	Dilution 1 1	Analysis [07/29/2022 08/03/2022	Date Analyst 1814 JM1 1152 JM1	Prep	Date	Batch 49513 49943	Sample Wt.(g) 5.75 5.73		
Parameter		Nur	CAS A	nalytical Method	Result	0	1.00	וח	Units	Run
1.2-Dichloroethane		107-	06-2	8260D	5.3	U	5.3	21	ua/ka	1
Tetrachloroethene		127-	18-4	8260D	8.3	0	5.3	2.1	ug/kg	2
Trichloroethene		79-	01-6	8260D	96		5.3	2.1	ug/kg	2
Vinyl chloride		75-	01-4	8260D	5.3	U	5.3	3.2	ug/kg	1
Surrogate	Q %	Run 1 Recovery	Acceptance Limits	Rur Q % Rec	n 2 Ac overy	ceptance Limits	e			
Bromofluorobenzene		104	47-138	9	9	47-138				
1,2-Dichloroethane-d4		103	53-142	9	7	53-142				
Toluene-d8		113	68-124	10)4	68-124				

	- Detected in the filetilod blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ N =	= Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time W =	= Reported on wet weight basis			S = MS/MSD failure

Inorganic non-metals

Client: O & M, Inc.	Laboratory ID: XG20060-018										
Description: DOA-22-F29	Matrix: Solid										
Date Sampled:07/20/2022 1415	Project	Project Name: 276 Edgefield FPE % Solids: 81.1 07/25/2022 2048									
Date Received: 07/20/2022	Project N	Project Number: 276									
Run Prep Method 1	Analytical MethodDilutionAnalysis DateAnalystPrep DateBatch(TOC)Walkley-Black108/02/20221822DMA49583										
Parameter	Nu	CAS mber	Analytical Method	Result (Q	LOQ	DL	Units	Run		
TOC			Walkley-Black	190 、	J	200	100	mg/kg	1		

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Volatile Organic Compounds by GC/MS

		-		-	-					
Client: O & M, Inc.						L	aboratory	ID: XG20060-018		
Description: DOA-22-F29							Matr	ix: Solid		
Date Sampled:07/20/2022 1415		Project N	Name: 276 E	dgefield FPE			% Solic	ds: 81.1 07/25/2	022 2048	
Date Received: 07/20/2022		Project Nu	mber: 276							
RunPrep Method1503535035 High	Analytical Methoo 8260D 8260D	I Dilution 1 1	Analysis 07/30/202 08/03/202	Date Analyst 2 1410 BBW 2 1441 JM1	Prep	Date	Batch 49594 49904	Sample Wt.(g) 6.25 5.90		
			CAS A	Analytical						
Parameter		Nur	mber	Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	320	U	320	130	ug/kg	3
Tetrachloroethene		127-	18-4	8260D	520	EQ	4.9	2.0	ug/kg	1
Trichloroethene		79-	-01-6	8260D	2800		320	130	ug/kg	3
Vinyl chloride		75-	-01-4	8260D	320	U	320	190	ug/kg	3
Surrogate	Q %	Run 1 Recovery	Acceptance Limits	e Rur Q % Rec	n 3 Ac overy	ceptano Limits	ce			
Bromofluorobenzene		126	47-138	8	9	47-138				
1,2-Dichloroethane-d4		123	53-142	8	6	53-142				
Toluene-d8	Ν	140	68-124	8	8	68-124				

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

QC Summary

		morga						
Sample ID: XQ49099-001 Batch: 49099 Analytical Method: Walkley-Black	Matrix: Solid							
Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date	
TOC	200	U	1	200	100	mg/kg	07/28/2022 1435	

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Sample ID: XQ49099-002 Batch: 49099		Matrix: Solid								
Analytical Method: Walkley-Black										
Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date			
ТОС	1000	1200		1	120	80-120	07/28/2022 1436			

LOQ = Limit of Quantitation U = Not detected at or above the LOQ N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% DL = Detection Limit J = Estimated result < LOQ and \ge DL * = RSD is out of criteria + = RPD is out of criteria Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Sample ID: XG20060-001MS Batch: 49099 Analytical Method: Walkley-Black				Mat	rix: Solid			
Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
ТОС	2000	1000	3100		1	115	70-130	07/28/2022 1515

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before routing to avoid round-off errors in calculated results

Sample ID: XG20060-001MD	Matrix: Solid								
Analytical Method: Walkley-Black									
Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg) Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
TOC	2000	1000	2900	1	100	5.1	70-130	20	07/28/2022 1517

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Sample ID: XG20060-004MS Batch: 49099 Analytical Method: Walkley-Black				Matr	ix: Solid			
Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
ТОС	980	1000	2200		1	123	70-130	07/28/2022 1539

Sample ID: XG20060-004MD Batch: 49099				Matri	x: Solid				
Analytical Method: Walkley-Black									
Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg) Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
ТОС	980	1000	2100	1	115	3.8	70-130	20	07/28/2022 1541

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		morga						
Sample ID: XQ49583-001 Batch: 49583 Analytical Method: Walkley-Black	Matrix: Solid							
Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date	
TOC	200	U	1	200	100	mg/kg	08/02/2022 1822	

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rourding to avoid round-off errors in calculated results

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Sample ID: XQ49583-002 Batch: 49583		Matrix: Solid								
Analytical Method: Walkley-Black										
Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date			
TOC	1000	1200		1	117	80-120	08/02/2022 1822			

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before routing to avoid round-off errors in calculated results

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Sample ID: XG20060-014MS Batch: 49583 Analytical Method: Walkley-Black				Mat	rix: Solid			
Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
TOC	1800	1000	2700		1	96	70-130	08/02/2022 1822

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rou-uling to avoid round-off errors in calculated results

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Sample ID: XG20060-014MD Batch: 49583 Analytical Method: Walkley-Black				Matri	ix: Solid				
Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg) Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
ТОС	1800	990	2700	1	99	0.55	70-130	20	08/02/2022 1822

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Sample ID: XG20060-016MS Batch: 49583 Analytical Method: Walkley-Black				Matr	rix: Solid			
Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
ТОС	0.0	1000	1200		1	121	70-130	08/02/2022 1822

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Sample ID: XG20060-016MD Batch: 49583				Matri	x: Solid				
Analytical Method: Walkley-Black									
Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg) Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
ТОС	0.0	1000	1200	1	125	2.9	70-130	20	08/02/2022 1822

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rourding to avoid round-off errors in calculated results

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Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ49513-001 Batch: 49513 Analytical Method: 8260D				Prep	Matrix: Solid Method: 5035			
Parameter	Resu	ult	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dichloroethane	5.0		U	1	5.0	2.0	ug/kg	07/29/2022 1035
Tetrachloroethene	5.0		U	1	5.0	2.0	ug/kg	07/29/2022 1035
Trichloroethene	5.0		U	1	5.0	2.0	ug/kg	07/29/2022 1035
Vinyl chloride	5.0		U	1	5.0	3.0	ug/kg	07/29/2022 1035
Surrogate	Q	% Rec		Acceptance Limit				
Bromofluorobenzene		98		47-138				
1,2-Dichloroethane-d4		98		53-142				
Toluene-d8		105		68-124				

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rourding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ49513-002 Batch: 49513 Analytical Method: 8260D				Ρ	Matrix rep Method:	Solid 5035		
Parameter	Spike Amour (ug/kg	nt g)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dichloroethane	50		46		1	93	70-130	07/29/2022 0942
Tetrachloroethene	50		44		1	88	70-130	07/29/2022 0942
Trichloroethene	50		44		1	88	70-130	07/29/2022 0942
Vinyl chloride	50		46		1	91	70-130	07/29/2022 0942
Surrogate	Q	% Rec	Accepta Limit	nce				
Bromofluorobenzene		92	47-13	8				
1,2-Dichloroethane-d4		93	53-14	2				
Toluene-d8		89	68-12	4				

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ49594-001 Batch: 49594 Analytical Method: 8260D				Prep	Matrix: Solid Method: 5035			
Parameter	Res	ult	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dichloroethane	5.0		U	1	5.0	2.0	ug/kg	07/30/2022 1227
Tetrachloroethene	5.0		U	1	5.0	2.0	ug/kg	07/30/2022 1227
Vinyl chloride	5.0		U	1	5.0	3.0	ug/kg	07/30/2022 1227
Surrogate	Q	% Rec		Acceptance Limit				
Bromofluorobenzene		97		47-138				
1,2-Dichloroethane-d4		100		53-142				
Toluene-d8		103		68-124				

LOQ = Limit of Quantitation	U = Not detected at or above the LOQ	N = Recovery is out of criteria							
DL = Detection Limit	J = Estimated result < LOQ and \geq DL	P = The RPD between two GC columns exceeds 40%							
* = RSD is out of criteria + = RPD is out of criteria									
Note: Calculations are performed before rounding to avoid round-off errors in calculated results									

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ49594-002 Batch: 49594 Analytical Method: 8260D			Pr	Matrix: ep Method:	Solid 5035		
Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dichloroethane	50	42		1	84	70-130	07/30/2022 1140
Tetrachloroethene	50	47		1	94	70-130	07/30/2022 1140
Vinyl chloride	50	48		1	95	70-130	07/30/2022 1140
Surrogate	Q % Rec	Acceptano Limit	ce				
Bromofluorobenzene	95	47-138					
1,2-Dichloroethane-d4	89	53-142					
Toluene-d8	92	68-124					

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: XQ49594-003 Batch: 49594 Analytical Method: 8260D					Prep N	Matrix: So lethod: 50	olid 035			
Parameter	Spil Amo (ug	ke unt /kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
1,2-Dichloroethane	50		44		1	88	4.6	70-130	20	07/30/2022 1203
Tetrachloroethene	50		44		1	88	6.6	70-130	20	07/30/2022 1203
Vinyl chloride	50		45		1	89	6.4	70-130	20	07/30/2022 1203
Surrogate	Q	% Rec	Acc L	eptance _imit						
Bromofluorobenzene		88	4	7-138						
1,2-Dichloroethane-d4		91	5	3-142						
Toluene-d8		89	6	8-124						

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rourding to avoid round-off errors in calculated results

Sample ID: XQ49712-001 Batch: 49712 Analytical Method: 8260D				Prep	Matrix: Solid Method: 5035	High		
Parameter	Resu	ılt	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dichloroethane	250		U	1	250	100	ug/kg	07/27/2022 1630
Tetrachloroethene	250		U	1	250	100	ug/kg	07/27/2022 1630
Trichloroethene	250		U	1	250	100	ug/kg	07/27/2022 1630
Vinyl chloride	250		U	1	250	150	ug/kg	07/27/2022 1630
Surrogate	Q	% Rec		Acceptance Limit				
Bromofluorobenzene		93		47-138				
1,2-Dichloroethane-d4		83		53-142				
Toluene-d8		103		68-124				

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rourding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ49712-002 Batch: 49712 Analytical Method: 8260D			Pr	Matrix: ep Method:	Solid 5035 High		
Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dichloroethane	2500	2300		1	93	70-130	07/27/2022 1607
Tetrachloroethene	2500	3400	Ν	1	134	70-130	07/27/2022 1607
Trichloroethene	2500	2900		1	117	70-130	07/27/2022 1607
Vinyl chloride	2500	2500		1	98	70-130	07/27/2022 1607
Surrogate	Q % Rec	Accepta Limit	nce				
Bromofluorobenzene	94	47-13	8				
1,2-Dichloroethane-d4	85	53-14	2				
Toluene-d8	110	68-12	4				

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Sample ID: XQ49713-001 Batch: 49713 Analytical Method: 8260D				Prep	Matrix: Solid Method: 5035	High		
Parameter	Resu	ult	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dichloroethane	250		U	1	250	100	ug/kg	08/01/2022 1336
Tetrachloroethene	250		U	1	250	100	ug/kg	08/01/2022 1336
Trichloroethene	250		U	1	250	100	ug/kg	08/01/2022 1336
Vinyl chloride	250		U	1	250	150	ug/kg	08/01/2022 1336
Surrogate	Q	% Rec		Acceptance Limit				
Bromofluorobenzene		90		47-138				
1,2-Dichloroethane-d4		78		53-142				
Toluene-d8		98		68-124				

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rourding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ49713-002 Batch: 49713 Analytical Method: 8260D			Pr	Matrix: ep Method:	Solid 5035 High		
Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dichloroethane	2500	2300		1	93	70-130	08/01/2022 1312
Tetrachloroethene	2500	3300	Ν	1	133	70-130	08/01/2022 1312
Trichloroethene	2500	2900		1	114	70-130	08/01/2022 1312
Vinyl chloride	2500	2900		1	115	70-130	08/01/2022 1312
Surrogate	Q % Rec	Acceptar Limit	nce				
Bromofluorobenzene	97	47-13	8				
1,2-Dichloroethane-d4	85	53-14	2				
Toluene-d8	112	68-12	4				

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
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 Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ49904-001 Batch: 49904 Analytical Method: 8260D				Prep	Matrix: Solid Method: 5035	High		
Parameter	Resi	ult	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dichloroethane	250		U	1	250	100	ug/kg	08/01/2022 1336
Trichloroethene	250		U	1	250	100	ug/kg	08/01/2022 1336
Vinyl chloride	250		U	1	250	150	ug/kg	08/01/2022 1336
Surrogate	Q	% Rec		Acceptance Limit				
Bromofluorobenzene		90		47-138				
1,2-Dichloroethane-d4		78		53-142				
Toluene-d8		98		68-124				

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ49904-002 Batch: 49904 Analytical Method: 8260D			Pre	Matrix: ep Method:	Solid 5035 High		
Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dichloroethane	2500	2300		1	93	70-130	08/01/2022 1312
Trichloroethene	2500	2900		1	114	70-130	08/01/2022 1312
Vinyl chloride	2500	2900		1	115	70-130	08/01/2022 1312
Surrogate	Q % Rec	Acceptano Limit	ce				
Bromofluorobenzene	97	47-138					
1,2-Dichloroethane-d4	85	53-142					
Toluene-d8	112	68-124					

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

Sample ID: XQ49943-001 Batch: 49943 Analytical Method: 8260D				Pr	Matrix: Solid ep Method: 5035			
Parameter	Res	ult	Q	Dil	LOQ	DL	Units	Analysis Date
Tetrachloroethene	5.0		U	1	5.0	2.0	ug/kg	08/03/2022 1013
Trichloroethene	5.0		U	1	5.0	2.0	ug/kg	08/03/2022 1013
Surrogate	Q	% Rec		Acceptance Limit				
Bromofluorobenzene		98		47-138				
1,2-Dichloroethane-d4		98		53-142				
Toluene-d8		109		68-124				

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ49943-002 Batch: 49943 Analytical Method: 8260D				Pr	Matrix: ep Method:	Solid 5035		
Parameter	Spi Amc (ug	ke ount J/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Tetrachloroethene	50		49		1	97	70-130	08/03/2022 0948
Trichloroethene	50		48		1	96	70-130	08/03/2022 0948
Surrogate	Q	% Rec	Accepta Limit	nce				
Bromofluorobenzene		100	47-13	8				
1,2-Dichloroethane-d4		99	53-14	2				
Toluene-d8		102	68-12	4				

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rou-U-ing to avoid round-off errors in calculated results

Chain of Custody and Miscellaneous Documents

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Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.) 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

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PACE ANALYTICAL SERVICES, LLC

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Report of Analysis

O & M, Inc. 450 Montbrook Lane Knoxville, TN 37919 Attention: Christopher Fuerst

Project Name: 276 Edgefield FPE Project Number: 276 Lot Number:**XG22006** Date Completed:08/04/2022

08/08/2022 12:24 AM Approved and released by: Project Manager II: **Cathy S. Dover**





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Case Narrative O & M, Inc. Lot Number: XG22006

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report. Where sampling is conducted by the client, results relate to the accuracy of the information provided, and as the samples are received.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Pace is a TNI accredited laboratory; however, the following analyses are currently not listed on our TNI scope of accreditation: Drinking Water: VOC (excluding BTEX, MTBE, Naphthalene, & 1,2-dichloroethane) EPA 524.2, E. coli and Total coliforms SM 9223 B-2004, Solid Chemical Material: TOC Walkley-Black, Biological Tissue: All, Non-Potable Water: SGT-HEM EPA 1664B, Silica EPA 200.7, Boron, Calcium, Silicon, Strontium EPA 200.8, Bicarbonate, Carbonate, and Hydroxide Alkalinity SM 2320 B-2011, SM 9221 C E-2006 & SM 9222D-2006, Strontium SW-846 6010D, VOC SM 6200 B-2011, Fecal Coliform Colilert-18.

Where applicable, all soil sample results (including LOQ and DL if requested) are corrected for dry weight unless flagged with a "W" qualifier.

VOA 8260D

Insufficient sample volume was provided to perform matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 49594. An LCS/LCSD was run in lieu of an MS/MSD. Associated samples noted below:

XG22006-004 (PBDA22 (5-10)) (Run 1) (Analysis Batch 49594) XG22006-005 (PBDA22 (15-20)) (Run 1) (Analysis Batch 49594) XG22006-006 (PBDA22 (25-30)) (Run 1) (Analysis Batch 49594) XG22006-007 (PBDA22 (30-35)) (Run 1) (Analysis Batch 49594) XG22006-008 (PBDA22 (35-40)) (Run 1) (Analysis Batch 49594) XG22006-009 (DOA22 (10-15)) (Run 1) (Analysis Batch 49594) XG22006-010 (DOA22 (20-25)) (Run 1) (Analysis Batch 49594) XG22006-011 (DOA22 (25-30)) (Run 1) (Analysis Batch 49594) XG22006-012 (DOA22 (clay)) (Run 1) (Analysis Batch 49594)

If you have any questions regarding this report, please contact the Pace Project Manager listed on the cover page.

Pace Analytical Services, LLC (formerly Shealy Environmetal Services, Inc.)

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Sample Summary O & M, Inc. Lot Number: XG22006 Project Name: 276 Edgefield FPE Project Number: 276

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	DBA22 (5-10)	Solid	07/22/2022 0700	07/22/2022
002	DBA22 (10-15)	Solid	07/22/2022 0710	07/22/2022
003	DBA22 (15-20)	Solid	07/22/2022 0720	07/22/2022
004	PBDA22 (5-10)	Solid	07/22/2022 0730	07/22/2022
005	PBDA22 (15-20)	Solid	07/22/2022 0740	07/22/2022
006	PBDA22 (25-30)	Solid	07/22/2022 0750	07/22/2022
007	PBDA22 (30-35)	Solid	07/22/2022 0800	07/22/2022
008	PBDA22 (35-40)	Solid	07/22/2022 0810	07/22/2022
009	DOA22 (10-15)	Solid	07/22/2022 0820	07/22/2022
010	DOA22 (20-25)	Solid	07/22/2022 0830	07/22/2022
011	DOA22 (25-30)	Solid	07/22/2022 0840	07/22/2022
012	DOA22 (clay)	Solid	07/22/2022 0850	07/22/2022

(12 samples)
Detection Summary O & M, Inc.

Lot Number: XG22006

Project Name: 276 Edgefield FPE

Project Number: 276

Sample Sample ID		Matrix	Parameter	Method	Result	Q	Units	Page
005	PBDA22 (15-20)	Solid	Trichloroethene	8260D	3.1	J	ug/kg	9
006	PBDA22 (25-30)	Solid	Trichloroethene	8260D	17		ug/kg	10
800	PBDA22 (35-40)	Solid	Trichloroethene	8260D	2.5	J	ug/kg	12

(3 detections)

Client: O & M, Inc.						L	aboratory	ID: XG22006-001		
Description: DBA22 (5-10)							Matr	ix: Solid		
Date Sampled:07/22/2022 0700		Project N	ame: 276 Ec	lgefield FPE			% Solic	ls: 97.1 07/27/2	022 2147	
Date Received: 07/22/2022		Project Nu	mber: 276							
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analysis D 07/29/2022	0ate Analyst 1838 JM1	Prep	Date	Batch 49513	Sample Wt.(g) 3.72		
2 5035	8260D	1	08/03/2022	1217 JM1			49943	3.65		
			CAS Ar	nalytical						
Parameter		Nun	nber	Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-0	06-2	8260D	6.9	U	6.9	2.8	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	6.9	U	6.9	2.8	ug/kg	1
Trichloroethene		79-0	01-6	8260D	7.1	U	7.1	2.8	ug/kg	2
Vinyl chloride		75-0	01-4	8260D	6.9	U	6.9	4.2	ug/kg	1
Surrogate	Q % I	Run 1 Recovery	Acceptance Limits	Rur Q % Rec	n 2 Ac overy	ceptanc Limits	e			
Bromofluorobenzene		103	47-138	10)1	47-138				
1,2-Dichloroethane-d4		110	53-142	10)2	53-142				
Toluene-d8		109	68-124	10	8	68-124				

LOQ = LIMIL OF QUANTILATION B	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ N	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time V	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc. Description: DBA22 (10-15) Date Sampled:07/22/2022 0710 Date Received: 07/22/2022		Project Name: 276 Edgefield FPE Project Number: 276					Laboratory ID: XG22006-002 Matrix: Solid E % Solids: 98.4 07/27/2022 2147				
Run Prep Method 1 5035	Analytical Method 8260D	Analytical Method Dilution Analysis Date Analyst Pr 8260D 1 07/29/2022 1902 JM1				Date	Batch 49513	Sample Wt.(g) 4.89			
Parameter		Nu	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dichloroethane		107	-06-2	8260D	5.2	U	5.2	2.1	ug/kg	1	
Tetrachloroethene		127	-18-4	8260D	5.2	U	5.2	2.1	ug/kg	1	
Trichloroethene		79	-01-6	8260D	5.2	U	5.2	2.1	ug/kg	1	
Vinyl chloride		75	-01-4	8260D	5.2	U	5.2	3.1	ug/kg	1	
Surrogate	Q_%	Run 1 Recovery	Accept Limi	ance its							
Bromofluorobenzene		103	47-1	38							
1,2-Dichloroethane-d4		110	53-1	42							
Toluene-d8		109	68-1	24							

LOQ = Limit of Quantitation	B = Detected in the method blank	${\sf E}$ = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc. Description: DBA22 (15-20) Date Sampled:07/22/2022 0720 Date Received: 07/22/2022	Project Name: 276 Edgefield FPE Project Number: 276					Laboratory ID: XG22006-003 Matrix: Solid E % Solids: 98.9 07/27/2022 2147				
Run Prep Method 1 5035	Analytical Method 8260D	rsis Date Analyst 2022 1926 JM1	Prep	Date	Batch 49513	Sample Wt.(g) 4.41				
Parameter		Nur	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	5.7	U	5.7	2.3	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	5.7	U	5.7	2.3	ug/kg	1
Trichloroethene		79-	01-6	8260D	5.7	U	5.7	2.3	ug/kg	1
Vinyl chloride		75-	01-4	8260D	5.7	U	5.7	3.4	ug/kg	1
Surrogate	Q % I	Run 1 Recovery	Accepta Limi	ance ts						
Bromofluorobenzene		100	47-1	38						
1,2-Dichloroethane-d4		109	53-1	42						
Toluene-d8		108	68-1	24						

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc. Description: PBDA22 (5-10) Date Sampled:07/22/2022 0730 Project Name: 276 Edgefield FPE Date Received: 07/22/2022 Project Number: 276					Laboratory ID: XG22006-004 Matrix: Solid E % Solids: 98.6 07/27/2022 2147					
Run Prep Method 2 5035	Analytical Method 8260D	Analytical Method Dilution Analysis Date Analyst Pro 8260D 1 08/03/2022 1241 JM1				Date	Batch 49943	Sample Wt.(g) 4.49		
Parameter		Nur	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	5.6	U	5.6	2.3	ug/kg	2
Tetrachloroethene		127-	18-4	8260D	5.6	U	5.6	2.3	ug/kg	2
Trichloroethene		79-	01-6	8260D	5.6	U	5.6	2.3	ug/kg	2
Vinyl chloride		75-	-01-4	8260D	5.6	U	5.6	3.4	ug/kg	2
Surrogate	Q %	Run 2 Recovery	Acceptar Limits	nce						
Bromofluorobenzene		104	47-13	8						
1,2-Dichloroethane-d4		107	53-142	2						
Toluene-d8		110	68-12	4						

				5
U = Not detected at or above the LOQ N = Recovery is	s out of criteria P = The R	RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time W = Reported of	on wet weight basis			S = MS/MSD failure

		-		-	-						
Client: O & M, Inc.						L	aboratory	ID: XG22006-005			
Description: PBDA22 (15-20)							Matrix: Solid				
Date Sampled:07/22/2022 0740		Project N	lame: 276 Ed	dgefield FPE			% Solids: 98.2 07/27/2022 2147				
Date Received: 07/22/2022		Project Nu	mber: 276								
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analysis [07/30/2022	Date Analyst 1457 BBW	Prep	Date	Batch 49594	Sample Wt.(g) 3.92			
2 5035	8260D	1	08/03/2022	1305 JM1			49943	3.92			
			CAS A	nalytical							
Parameter		Nur	nber	Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dichloroethane		107-	06-2	8260D	6.5	U	6.5	2.6	ug/kg	1	
Tetrachloroethene		127-	18-4	8260D	6.5	U	6.5	2.6	ug/kg	1	
Trichloroethene		79-	01-6	8260D	3.1	J	6.5	2.6	ug/kg	2	
Vinyl chloride		75-	01-4	8260D	6.5	U	6.5	3.9	ug/kg	1	
Surrogate	Q %	Run 1 Recovery	Acceptance Limits	Rur Q % Rec	n 2 Ac overy	ceptanc Limits	e				
Bromofluorobenzene		81	47-138	10)0	47-138					
1,2-Dichloroethane-d4		85	53-142	10)6	53-142					
Toluene-d8		91	68-124	10)9	68-124					

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.						L	aboratory	ID: XG22006-006			
Description: PBDA22 (25-30)							Matrix: Solid				
Date Sampled:07/22/2022 0750		Project N	lame: 276 Ed	gefield FPE			% Solids: 98.2 07/27/2022 2147				
Date Received: 07/22/2022		Project Nu	mber: 276								
Run Prep Method 1 5035 2 5035	Analytical Method 8260D 8260D	Dilution 1	Analysis D 07/30/2022 08/03/2022	ate Analyst 1521 BBW 1329 IM1	Prep	Date	Batch 49594	Sample Wt.(g) 4.30 3.81			
2 3033	0200D	I	00/03/2022	1327 31011			47743	5.01			
			CAS Ar	nalytical							
Parameter		Nur	nber l	Vethod	Result	Q	LOQ	DL	Units	Run	
1,2-Dichloroethane		107-	06-2	8260D	5.9	U	5.9	2.4	ug/kg	1	
Tetrachloroethene		127-	18-4	8260D	5.9	U	5.9	2.4	ug/kg	1	
Trichloroethene		79-	01-6	8260D	17		6.7	2.7	ug/kg	2	
Vinyl chloride		75-	01-4	8260D	5.9	U	5.9	3.6	ug/kg	1	
Surrogate	Q %	Run 1 Recovery	Acceptance Limits	Rur Q % Rec	n 2 Ac overy	ceptano Limits	ce				
Bromofluorobenzene		87	47-138	9	9	47-138					
1,2-Dichloroethane-d4		91	53-142	10)6	53-142					
Toluene-d8		95	68-124	10)7	68-124					

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc. Description: PBDA22 (30-35)							Laboratory ID: XG22006-007 Matrix: Solid			
Date Sampled:07/22/2022 0800		Project Name: 276 Edgefield FPE					% Solid	ds: 98.7 07/27/2	022 2147	
Date Received: 07/22/2022	F	Project Number: 276								
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analys 07/30/2	sis Date Analyst 022 1545 BBW	Prep	Date	Batch 49594	Sample Wt.(g) 4.16		
Parameter		Nur	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	6.1	U	6.1	2.4	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	6.1	U	6.1	2.4	ug/kg	1
Trichloroethene		79-	-01-6	8260D	6.1	U	6.1	2.4	ug/kg	1
Vinyl chloride		75-	01-4	8260D	6.1	U	6.1	3.7	ug/kg	1
Surrogate	Q % F	Run 1 Recovery	Accepta Limit	nce s						
Bromofluorobenzene		86	47-13	8						
1,2-Dichloroethane-d4		92	53-14	2						
Toluene-d8		95	68-12	24						

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.								Laboratory ID: XG22006-008			
Data Sampled:07/22/2022.0810		Droject N	lamo: 27	4 Edgofield EDE				IX. SUILU	022 2147		
Date Sampled.07/22/2022 0610		Project Name: 276 Edgeneid FPE					% 3 010	15. 90.4 07/27/2	022 2147		
Date Received: 07/22/2022	Pi	Project Number: 276									
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analy 07/30/2	sis Date Analyst 2022 1608 BBW	Prep	Date	Batch 49594	Sample Wt.(g) 4.05			
Parameter		Nur	CAS nber	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dichloroethane		107-	06-2	8260D	6.3	U	6.3	2.5	ug/kg	1	
Tetrachloroethene		127-	18-4	8260D	6.3	U	6.3	2.5	ug/kg	1	
Trichloroethene		79-	01-6	8260D	2.5	J	6.3	2.5	ug/kg	1	
Vinyl chloride		75-	01-4	8260D	6.3	U	6.3	3.8	ug/kg	1	
Surrogate	F Q % R	Run 1 ecovery	Accepta Limi	ance ts							
Bromofluorobenzene		82	47-1	38							
1,2-Dichloroethane-d4		89	53-14	42							
Toluene-d8		90	68-12	24							

ery is out of criteria P =	= The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
rted on wet weight basis			S = MS/MSD failure
r	ery is out of criteria P ted on wet weight basis	ery is out of criteria P = The RPD between two GC columns exceeds 40% ted on wet weight basis	ery is out of criteria $P = The RPD$ between two GC columns exceeds 40% $J = Estimated result < LOQ and \geq DLted on wet weight basis$

Client: O & M, Inc. Description: DOA22 (10-15) Date Sampled:07/22/2022 0820 Date Received: 07/22/2022		Project Name: 276 Edgefield FPE Project Number: 276					Laboratory ID: XG22006-009 Matrix: Solid % Solids: 96.0 07/27/2022 2147					
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analy 07/30/	vsis Date Analyst 2022 1632 BBW	Prep	Date	Batch 49594	Sample Wt.(g) 3.65				
Parameter		Nur	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run		
1,2-Dichloroethane		107-	06-2	8260D	7.1	U	7.1	2.9	ug/kg	1		
Tetrachloroethene		127-	18-4	8260D	7.1	U	7.1	2.9	ug/kg	1		
Trichloroethene		79-	-01-6	8260D	7.1	U	7.1	2.9	ug/kg	1		
Vinyl chloride		75-	01-4	8260D	7.1	U	7.1	4.3	ug/kg	1		
Surrogate	Q % I	Run 1 Recovery	Accept Limi	ance								
Bromofluorobenzene		76	47-1	38								
1,2-Dichloroethane-d4		79	53-1	42								
Toluene-d8		83	68-1	24								

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U = Not detected at or above the LOQ N = Recovery is	s out of criteria P = The R	RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time W = Reported of	on wet weight basis			S = MS/MSD failure

Client: O & M, Inc. Description: DOA22 (20-25) Date Sampled:07/22/2022 0830 Date Received: 07/22/2022		Project Name: 276 Edgefield FPE Project Number: 276						Laboratory ID: XG22006-010 Matrix: Solid % Solids: 97.9 07/27/2022 2147				
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analys 07/30/20	is Date Analyst D22 1656 BBW	Prep	Date	Batch 49594	Sample Wt.(g) 4.03				
Parameter		Nur	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run		
1,2-Dichloroethane		107-	06-2	8260D	6.3	U	6.3	2.5	ug/kg	1		
Tetrachloroethene		127-	18-4	8260D	6.3	U	6.3	2.5	ug/kg	1		
Trichloroethene		79-	01-6	8260D	6.3	U	6.3	2.5	ug/kg	1		
Vinyl chloride		75-	-01-4	8260D	6.3	U	6.3	3.8	ug/kg	1		
Surrogate	Q % I	Run 1 Recovery	Acceptar Limits	nce								
Bromofluorobenzene		83	47-138	8								
1,2-Dichloroethane-d4		89	53-142	2								
Toluene-d8		89	68-124	4								

LOQ = Limit of Quantitation	B = Detected in the method blank	${\sf E}$ = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc. Description: DOA22 (25-30) Date Sampled:07/22/2022 0840 Date Received: 07/22/2022		Project Name: 276 Edgefield FPE Project Number: 276						Laboratory ID: XG22006-011 Matrix: Solid % Solids: 98.3 07/27/2022 2147				
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analysi 07/30/20	is Date Analyst 022 1720 BBW	Prep	Date	Batch 49594	Sample Wt.(g) 3.49				
Parameter		Nur	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run		
1,2-Dichloroethane		107-	-06-2	8260D	7.3	U	7.3	2.9	ug/kg	1		
Tetrachloroethene		127-	18-4	8260D	7.3	U	7.3	2.9	ug/kg	1		
Trichloroethene		79-	-01-6	8260D	7.3	U	7.3	2.9	ug/kg	1		
Vinyl chloride		75-	-01-4	8260D	7.3	U	7.3	4.4	ug/kg	1		
Surrogate	Q %I	Run 1 Recovery	Acceptar Limits	nce								
Bromofluorobenzene		74	47-138	3								
1,2-Dichloroethane-d4		76	53-142	2								
Toluene-d8		80	68-124	1								

LOQ = LIMIL OF QUANTILATION B	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ N	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time V	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc. Description: DOA22 (clay) Date Sampled:07/22/2022 0850 Date Received: 07/22/2022		Project Name: 276 Edgefield FPE Project Number: 276					Laboratory ID: XG22006-012 Matrix: Solid % Solids: 97.1 07/27/2022 2147					
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analy 07/30/	vsis Date Analyst 2022 1744 BBW	Prep	Date	Batch 49594	Sample Wt.(g) 3.66				
Parameter		Nu	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run		
1,2-Dichloroethane		107-	-06-2	8260D	7.0	U	7.0	2.8	ug/kg	1		
Tetrachloroethene		127-	-18-4	8260D	7.0	U	7.0	2.8	ug/kg	1		
Trichloroethene		79	-01-6	8260D	7.0	U	7.0	2.8	ug/kg	1		
Vinyl chloride		75	-01-4	8260D	7.0	U	7.0	4.2	ug/kg	1		
Surrogate	Q % I	Run 1 Recovery	Accept Limi	ance its								
Bromofluorobenzene		77	47-1	38								
1,2-Dichloroethane-d4		81	53-1	42								
Toluene-d8		86	68-1	24								

LOQ = Limit of Quantitation	B = Detected in the method blank	${\sf E}$ = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

QC Summary

Sample ID: XQ49513-001 Batch: 49513 Analytical Method: 8260D				Prep	Matrix: Solid Method: 5035			
Parameter	Resu	ult	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dichloroethane	5.0		U	1	5.0	2.0	ug/kg	07/29/2022 1035
Tetrachloroethene	5.0		U	1	5.0	2.0	ug/kg	07/29/2022 1035
Trichloroethene	5.0		U	1	5.0	2.0	ug/kg	07/29/2022 1035
Vinyl chloride	5.0		U	1	5.0	3.0	ug/kg	07/29/2022 1035
Surrogate	Q	% Rec		Acceptance Limit				
Bromofluorobenzene		98		47-138				
1,2-Dichloroethane-d4		98		53-142				
Toluene-d8		105		68-124				

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

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QC Data for Lot Number: XG22006

Sample ID: XQ49513-002 Batch: 49513 Analytical Method: 8260D				Pi	Matrix: ep Method:	Solid 5035		
Parameter	Spil Amo (ug	ke Junt /kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dichloroethane	50		46		1	93	70-130	07/29/2022 0942
Tetrachloroethene	50		44		1	88	70-130	07/29/2022 0942
Trichloroethene	50		44		1	88	70-130	07/29/2022 0942
Vinyl chloride	50		46		1	91	70-130	07/29/2022 0942
Surrogate	Q	% Rec	Accepta Limit	nce				
Bromofluorobenzene		92	47-13	8				
1,2-Dichloroethane-d4		93	53-14	2				
Toluene-d8		89	68-12	4				

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before routing to avoid round-off errors in calculated results

Sample ID: XQ49594-001 Batch: 49594 Analytical Method: 8260D				Matrix: Solid Prep Method: 5035			
Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dichloroethane	5.0	U	1	5.0	2.0	ug/kg	07/30/2022 1227
Tetrachloroethene	5.0	U	1	5.0	2.0	ug/kg	07/30/2022 1227
Trichloroethene	5.0	U	1	5.0	2.0	ug/kg	07/30/2022 1227
Vinyl chloride	5.0	U	1	5.0	3.0	ug/kg	07/30/2022 1227
Surrogate	Q %	6 Rec	Acceptance Limit				
Bromofluorobenzene		97	47-138				
1,2-Dichloroethane-d4		100	53-142				
Toluene-d8		103	68-124				

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

Sample ID: XQ49594-002 Batch: 49594 Analytical Method: 8260D			Pr	Matrix: ep Method:	Solid 5035		
Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dichloroethane	50	42		1	84	70-130	07/30/2022 1140
Tetrachloroethene	50	47		1	94	70-130	07/30/2022 1140
Trichloroethene	50	45		1	91	70-130	07/30/2022 1140
Vinyl chloride	50	48		1	95	70-130	07/30/2022 1140
Surrogate	Q % Rec	Acceptane Limit	ce				
Bromofluorobenzene	95	47-138					
1,2-Dichloroethane-d4	89	53-142					
Toluene-d8	92	68-124					

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rounding to avoid round-off errors in calculated results

 Pace Analytical Services, LLC
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 Fax (803) 791-9111
 www.pacelabs.com

QC Data for Lot Number: XG22006

Sample ID: XQ49594-003 Batch: 49594 Analytical Method: 8260D				Prep N	Matrix: So Nethod: 50	olid 035			
Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
1,2-Dichloroethane	50	44		1	88	4.6	70-130	20	07/30/2022 1203
Tetrachloroethene	50	44		1	88	6.6	70-130	20	07/30/2022 1203
Trichloroethene	50	44		1	88	3.0	70-130	20	07/30/2022 1203
Vinyl chloride	50	45		1	89	6.4	70-130	20	07/30/2022 1203
Surrogate	Q % R	ec L	eptance _imit						
Bromofluorobenzene	88	4	7-138						
1,2-Dichloroethane-d4	91	5	3-142						
Toluene-d8	89	6	8-124						

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

Sample ID: XQ49943-001 Batch: 49943 Analytical Method: 8260D			Pre	Matrix: Solid ep Method: 5035			
Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dichloroethane	5.0	U	1	5.0	2.0	ug/kg	08/03/2022 1013
Tetrachloroethene	5.0	U	1	5.0	2.0	ug/kg	08/03/2022 1013
Trichloroethene	5.0	U	1	5.0	2.0	ug/kg	08/03/2022 1013
Vinyl chloride	5.0	U	1	5.0	3.0	ug/kg	08/03/2022 1013
Surrogate	Q % R6	ec	Acceptance Limit				
Bromofluorobenzene	98		47-138				
1,2-Dichloroethane-d4	98		53-142				
Toluene-d8	109		68-124				

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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QC Data for Lot Number: XG22006

Sample ID: XQ49943-002 Batch: 49943 Analytical Method: 8260D				Pr	Matrix: ep Method:	: Solid 5035		
Parameter	Spi Amc (ug	ke ount /kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dichloroethane	50		47		1	94	70-130	08/03/2022 0948
Tetrachloroethene	50		49		1	97	70-130	08/03/2022 0948
Trichloroethene	50		48		1	96	70-130	08/03/2022 0948
Vinyl chloride	50		55		1	110	70-130	08/03/2022 0948
Surrogate	Q	% Rec	Accepta Limit	nce				
Bromofluorobenzene		100	47-13	8				
1,2-Dichloroethane-d4		99	53-14	2				
Toluene-d8		102	68-12	24				

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody and Miscellaneous Documents

PACE ANALYTICAL SERVICES, LLC

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Sampler's	Signature	5	Analysis (Attach ust if more sp	o ere is nacioa)	2 7 2
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PACE ANALYTICAL SERVICES, LLC



Samples Receipt Checklist (SRC) (ME0018C-15) issuing Authority: Pace ENV - WCOL

Revised:9/29/2020 Page 1 of 1

Sample Receipt Checklist (SRC)

01	Garden Laurente di kulduten KNR (107/22/2022 Laure 4. XG22006
Client: Cocos	Cooler Inspected by/date: Context / 0/12/2022 Lot #: Addedo
Means of receipt:	Pace Client UPS FcdEx Other:
Yes V No	1. Were custody seals present on the cooler?
Yes No ⊻N	A 2. If custody scals were present, were they intact and unbroken?
oH Strip ID: NA	Chlorine Strip ID: NA Tested by: NA
Driginal temperature upo	on receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: 39
13.3 / 13.3 °C NA /	
Method: Temperature	Blank Against Bottles IR Gun ID: * IR Gun Correction Factor: * *
Method of coolant:	Wet Ice L_ Ice Packs Dry Ice None
	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notffed?
	PWI was Notified by: phone (email) face-to-face (circle one).
	A 4. Is the commercial courier's packing stip attached to this form?
Yes No	5. Were proper custody procedures (relinquished/received) followed?
V Yes No	6. Were sample IDs listed on the COC?
Yes No	7. Were sample IDs listed on all sample containers?
Y Yes No	8. Was collection date & time listed on the COC?
	9. Was collection date & time listed on all sample containers?
Yes No	10. Drd all container label information (ID, date, time) agree with the COC?
✓ Yes No	11. Were tests to be performed listed on the COC?
	12. Did all samples arrive in the proper containers for each test and/or in good condition
	(unbroken, lids an, etc.)?
Ves No	13 Was adequate sample volume available?
	14. Were all samples received within 1/2 the holding time or 48 hours, whichever comes first?
	15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
	16 For VOA and RSK-175 samples, were habbles present >"nea-size" (\"or form in diameter)
Yes No VN	A in any of the VOA vials?
Yes No VN	A 17. Were all DRO/metals/nutrient samples received at a pH of ≤ 2 ?
Yes No VN	A 18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
	19. Were all applicable NH ₃ /TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of
	A residual chlorine?
	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc)
	A correctly transcribed from the COC into the comment section in LIMS?
Yes V No	21. Was the quote number listed on the container label? If yes, Quote #
ample Preservation	(Must be completed for any complete) incorrectly preserved or with headspace)
sample Freservation	(must be completed for any sample(s) inconcertly preserved or whit headspace.)
Sample(s)	were received incorrectly preserved and were adjusted accordingly
in sample receiving with	mL of circle one: H2SO4, HNO3, HCl, NaOIs using SR #
Fime of preservation	If more than one preservative is needed, please note in the comments below.
Sample(s) NA	were received with bubbles >6 mm in diameter.
Semples/e) NA	were received with TBC > 0.5 ma/L (If $\#19$ is not were
adjusted secondingly in s	sample receiving with sodium thiosulfate (Na.S.O.) with Shealy ID: NA
adjusted accordingly in a	
SR barcode labels applie	ad by: TEC Date: 07/22/2022
Comments:	
Comments.	



Report of Analysis

O & M, Inc. 450 Montbrook Lane Knoxville, TN 37919 Attention: Christopher Fuerst

Project Name: FPE Edgefield Project Number: 276 Lot Number:**XG28016** Date Completed:08/12/2022

08/16/2022 8:40 PM Approved and released by: Project Manager II: **Cathy S. Dover**





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Case Narrative O & M, Inc. Lot Number: XG28016

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report. Where sampling is conducted by the client, results relate to the accuracy of the information provided, and as the samples are received.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Pace is a TNI accredited laboratory; however, the following analyses are currently not listed on our TNI scope of accreditation: Drinking Water: VOC (excluding BTEX, MTBE, Naphthalene, & 1,2-dichloroethane) EPA 524.2, E. coli and Total coliforms SM 9223 B-2004, Solid Chemical Material: TOC Walkley-Black, Biological Tissue: All, Non-Potable Water: SGT-HEM EPA 1664B, Silica EPA 200.7, Boron, Calcium, Silicon, Strontium EPA 200.8, Bicarbonate, Carbonate, and Hydroxide Alkalinity SM 2320 B-2011, SM 9221 C E-2006 & SM 9222D-2006, Strontium SW-846 6010D, VOC SM 6200 B-2011, Fecal Coliform Colilert-18.

Where applicable, all soil sample results (including LOQ and DL if requested) are corrected for dry weight unless flagged with a "W" qualifier.

VOA 8260D

Insufficient sample volume was provided to perform matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 50085. An LCS/LCSD was run in lieu of an MS/MSD. Associated samples:

XG28016-001 (DBA22 (5-10)) (Run 1) (Analysis Batch 50085) XG28016-002 (DBA22 (10-15)) (Run 1) (Analysis Batch 50085) XG28016-003 (DBA22 (15-20)) (Run 1) (Analysis Batch 50085) XG28016-004 (PBDA22 (5-10)) (Run 1) (Analysis Batch 50085) XG28016-005 (PBDA22 (15-20)) (Run 1) (Analysis Batch 50085) XG28016-006 (PBDA22 (25-30)) (Run 1) (Analysis Batch 50085) XG28016-007 (PBDA22 (30-35)) (Run 1) (Analysis Batch 50085)

Insufficient sample volume was provided to perform matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 50239. An LCS/LCSD was run in lieu of an MS/MSD. Associated samples:

XG28016-008 (PBDA22 (35-40)) (Run 1) (Analysis Batch 50239) XG28016-009 (DOA22 (10-15)) (Run 1) (Analysis Batch 50239) XG28016-010 (DOA22 (20-25)) (Run 1) (Analysis Batch 50239) XG28016-011 (DOA22 (25-30)) (Run 1) (Analysis Batch 50239) XG28016-012 (DOA22 (Clay)) (Run 1) (Analysis Batch 50239)

Pace Analytical Services, LLC (formerly Shealy Environmetal Services, Inc.)

¹⁰⁶ Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

SC DHEC No: 32010001 NELAC No: E87653 NC DENR No: 329 NC Field Parameters No: 5639
--

The laboratory control sample laboratory control sample duplicate (LCSD) for analytical batch 50239 exceeded acceptance criteria for the following analytes: Vinyl Chloride (145%). This analyte was biased high and was not detected in the associated samples: XG28016-008, XG28016-009, XG28016-010, XG28016-011, and XG28016-012. Also, the associated LCS passed acceptance criteria.

XG28016-008 (PBDA22 (35-40)) (Run 1) (Analysis Batch 50239) XG28016-009 (DOA22 (10-15)) (Run 1) (Analysis Batch 50239) XG28016-010 (DOA22 (20-25)) (Run 1) (Analysis Batch 50239) XG28016-011 (DOA22 (25-30)) (Run 1) (Analysis Batch 50239) XG28016-012 (DOA22 (Clay)) (Run 1) (Analysis Batch 50239)

If you have any questions regarding this report, please contact the Pace Project Manager listed on the cover page.

Sample Summary O & M, Inc. Lot Number: XG28016 Project Name: FPE Edgefield Project Number: 276

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	DBA22 (5-10)	Solid	07/28/2022 1000	07/28/2022
002	DBA22 (10-15)	Solid	07/28/2022 1010	07/28/2022
003	DBA22 (15-20)	Solid	07/28/2022 1020	07/28/2022
004	PBDA22 (5-10)	Solid	07/28/2022 1030	07/28/2022
005	PBDA22 (15-20)	Solid	07/28/2022 1040	07/28/2022
006	PBDA22 (25-30)	Solid	07/28/2022 1050	07/28/2022
007	PBDA22 (30-35)	Solid	07/28/2022 1100	07/28/2022
008	PBDA22 (35-40)	Solid	07/28/2022 1110	07/28/2022
009	DOA22 (10-15)	Solid	07/28/2022 1120	07/28/2022
010	DOA22 (20-25)	Solid	07/28/2022 1130	07/28/2022
011	DOA22 (25-30)	Solid	07/28/2022 1140	07/28/2022
012	DOA22 (Clay)	Solid	07/28/2022 1150	07/28/2022

(12 samples)

	Detection Su	mmary				
	O & M, Ir	IC.				
	Lot Number: X	G28016				
	Project Name: FP	E Edgefield				
	Project Numb	er: 276				
Sample Sample ID	Matrix Parameter	Method	Result	Q	Units	Page

(0 detections)

Client: O & M, Inc. Description: DBA22 (5-10) Date Sampled:07/28/2022 1000 Date Received: 07/28/2022		Project Name: FPE Edgefield Project Number: 276					Laboratory ID: XG28016-001 Matrix: Solid % Solids: 98.3 08/02/2022				
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analy 08/04/2	sis Date Analyst 2022 1602 JM1	Prep	Date	Batch 50085	Sample Wt.(g) 3.97			
Parameter		Nu	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dichloroethane		107	-06-2	8260D	6.4	U	6.4	2.6	ug/kg	1	
Tetrachloroethene		127	-18-4	8260D	6.4	U	6.4	2.6	ug/kg	1	
Trichloroethene		79	-01-6	8260D	6.4	U	6.4	2.6	ug/kg	1	
Vinyl chloride		75	-01-4	8260D	6.4	U	6.4	3.8	ug/kg	1	
Surrogate	Q %	Run 1 Recovery	Accepta Limi	ance ts							
Bromofluorobenzene		102	47-1	38							
1,2-Dichloroethane-d4		106	53-14	42							
Toluene-d8		113	68-12	24							

LOQ = LIMIL OF QUANTILATION B	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ N	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
H = Out of holding time V	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.							Laboratory	ID: XG28016-002		
Description: DBA22 (10-15)							Matr	rix: Solid		
Date Sampled:07/28/2022 1010		Project N	lame: FP	E Edgefield			% Solid	ds: 99.1 08/02/2	022 2240	
Date Received: 07/28/2022		Project Nu	mber: 27	6						
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analys 08/04/2	sis Date Analyst 022 1626 JM1	Prep	Date	Batch 50085	Sample Wt.(g) 4.13		
Parameter		Nur	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	6.1	U	6.1	2.4	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	6.1	U	6.1	2.4	ug/kg	1
Trichloroethene		79-	-01-6	8260D	6.1	U	6.1	2.4	ug/kg	1
Vinyl chloride		75-	01-4	8260D	6.1	U	6.1	3.7	ug/kg	1
Surrogate	Q % I	Run 1 Recovery	Accepta Limits	nce s						
Bromofluorobenzene		104	47-13	8						
1,2-Dichloroethane-d4		108	53-14	2						
Toluene-d8		114	68-12	4						

ery is out of criteria P =	= The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
rted on wet weight basis			S = MS/MSD failure
r	ery is out of criteria P ted on wet weight basis	ery is out of criteria P = The RPD between two GC columns exceeds 40% ted on wet weight basis	ery is out of criteria $P = The RPD$ between two GC columns exceeds 40% $J = Estimated result < LOQ and \geq DLted on wet weight basis$

Client: O & M, Inc.							Laboratory	ID: XG28016-003		
Description: DBA22 (15-20)							Mati	ix: Solid		
Date Sampled:07/28/2022 1020		Project N	lame: FP	E Edgefield			% Solid	ds: 99.5 08/02/2	022 2240	
Date Received: 07/28/2022	F	Project Nu	mber: 276)						
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analys 08/04/20	is Date Analyst 022 1649 JM1	Prep	Date	Batch 50085	Sample Wt.(g) 4.09		
Parameter		Nur	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	6.1	U	6.1	2.5	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	6.1	U	6.1	2.5	ug/kg	1
Trichloroethene		79-	01-6	8260D	6.1	U	6.1	2.5	ug/kg	1
Vinyl chloride		75-	01-4	8260D	6.1	U	6.1	3.7	ug/kg	1
Surrogate	Q % F	Run 1 Recovery	Acceptar Limits	nce						
Bromofluorobenzene		99	47-13	8						
1,2-Dichloroethane-d4		103	53-14	2						
Toluene-d8		109	68-12	4						

ery is out of criteria P =	= The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
rted on wet weight basis			S = MS/MSD failure
r	ery is out of criteria P ted on wet weight basis	ery is out of criteria P = The RPD between two GC columns exceeds 40% ted on wet weight basis	ery is out of criteria $P = The RPD$ between two GC columns exceeds 40% $J = Estimated result < LOQ and \geq DLted on wet weight basis$

Client: O & M, Inc.							Laboratory	ID: XG28016-004		
Description: PBDA22 (5-10)							Matr	ix: Solid		
Date Sampled:07/28/2022 1030		Project N	lame: FPI	E Edgefield			% Solid	ds: 99.1 08/02/2	022 2240	
Date Received: 07/28/2022		Project Nu	mber: 276)						
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analys 08/04/20	is Date Analyst 022 1713 JM1	Prep	Date	Batch 50085	Sample Wt.(g) 4.04		
Parameter		Nur	CAS nber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	6.2	U	6.2	2.5	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	6.2	U	6.2	2.5	ug/kg	1
Trichloroethene		79-	01-6	8260D	6.2	U	6.2	2.5	ug/kg	1
Vinyl chloride		75-	01-4	8260D	6.2	U	6.2	3.7	ug/kg	1
Surrogate	Q % F	Run 1 Recovery	Acceptar Limits	nce						
Bromofluorobenzene		103	47-13	8						
1,2-Dichloroethane-d4		108	53-142	2						
Toluene-d8		114	68-12	4						

ery is out of criteria P =	= The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
rted on wet weight basis			S = MS/MSD failure
r	ery is out of criteria P ted on wet weight basis	ery is out of criteria P = The RPD between two GC columns exceeds 40% ted on wet weight basis	ery is out of criteria $P = The RPD$ between two GC columns exceeds 40% $J = Estimated result < LOQ and \geq DLted on wet weight basis$

Client: O & M, Inc.							Laboratory	ID: XG28016-005		
Description: PBDA22 (15-20)							Matr	ix: Solid		
Date Sampled:07/28/2022 1040		Project N	lame: FP	E Edgefield			% Solic	ds: 99.1 08/02/2	022 2240	
Date Received: 07/28/2022	F	Project Nu	mber: 276	6						
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analys 08/04/2	sis Date Analyst 022 1737 JM1	Prep	Date	Batch 50085	Sample Wt.(g) 3.95		
Parameter		Nur	CAS nber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	6.4	U	6.4	2.6	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	6.4	U	6.4	2.6	ug/kg	1
Trichloroethene		79-	01-6	8260D	6.4	U	6.4	2.6	ug/kg	1
Vinyl chloride		75-	01-4	8260D	6.4	U	6.4	3.8	ug/kg	1
Surrogate	Q % F	Run 1 Recovery	Accepta Limits	nce s						
Bromofluorobenzene		101	47-13	8						
1,2-Dichloroethane-d4		109	53-14	2						
Toluene-d8		109	68-12	4						

ery is out of criteria P =	= The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
rted on wet weight basis			S = MS/MSD failure
r	ery is out of criteria P ted on wet weight basis	ery is out of criteria P = The RPD between two GC columns exceeds 40% ted on wet weight basis	ery is out of criteria $P = The RPD$ between two GC columns exceeds 40% $J = Estimated result < LOQ and \geq DLted on wet weight basis$

Client: O & M, Inc.	Client: O & M, Inc. Laboratory ID: XG28016-006										
Date Sampled:07/28/2022 1050	Droject Name: EDE Edgefield						% Solide: 00 4 08/02/2022 2240				
Date Sampled.07/20/2022 1030	FIOJECI NAILE. FPE EUgeneid						70 3010	13. 77.4 00/02/2	022 2240		
Date Received: 07/28/2022	Project Number: 276										
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analys 08/04/20	is Date Analyst 022 1801 JM1	Prep	Date	Batch 50085	Sample Wt.(g) 4.06			
Parameter		Nur	CAS mber	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dichloroethane		107-	06-2	8260D	6.2	U	6.2	2.5	ug/kg	1	
Tetrachloroethene		127-	18-4	8260D	6.2	U	6.2	2.5	ug/kg	1	
Trichloroethene		79-	01-6	8260D	6.2	U	6.2	2.5	ug/kg	1	
Vinyl chloride		75-	01-4	8260D	6.2	U	6.2	3.7	ug/kg	1	
Surrogate	Q % F	Run 1 Recovery	Acceptar Limits	nce							
Bromofluorobenzene		102	47-13	8							
1,2-Dichloroethane-d4		106	53-142	2							
Toluene-d8		113	68-12	4							

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure						
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure						
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure						
Client: O & M, Inc.							Laboratory	ID: XG28016-007		
------------------------------	----------------------------	-------------------	--------------------	---------------------------------	--------	------	----------------	-----------------------	----------	-----
Description: PBDA22 (30-35)							Mati	ix: Solid		
Date Sampled:07/28/2022 1100		Project N	lame: FPI	E Edgefield			% Solid	ds: 99.1 08/08/2	022 2247	
Date Received: 07/28/2022	F	Project Nu	mber: 276)						
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analys 08/04/20	is Date Analyst 022 1825 JM1	Prep	Date	Batch 50085	Sample Wt.(g) 4.48		
Parameter		Nur	CAS nber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	5.6	U	5.6	2.3	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	5.6	U	5.6	2.3	ug/kg	1
Trichloroethene		79-	01-6	8260D	5.6	U	5.6	2.3	ug/kg	1
Vinyl chloride		75-	01-4	8260D	5.6	U	5.6	3.4	ug/kg	1
Surrogate	Q % F	Run 1 Recovery	Acceptar Limits	nce						
Bromofluorobenzene		106	47-13	8						
1,2-Dichloroethane-d4		109	53-142	2						
Toluene-d8		113	68-12	4						

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.							Laboratory	ID: XG28016-008		
Description: PBDA22 (35-40)							Matr	ix: Solid		
Date Sampled:07/28/2022 1110		Project N	lame: FPI	E Edgefield			% Solic	ls: 99.7 08/02/2	022 2240	
Date Received: 07/28/2022	Pr	oject Nu	mber: 276)						
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analys 08/05/20	is Date Analyst 022 1156 JM1	Prep	Date	Batch 50239	Sample Wt.(g) 4.16		
Parameter		Nur	CAS nber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	6.0	U	6.0	2.4	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	6.0	U	6.0	2.4	ug/kg	1
Trichloroethene		79-	01-6	8260D	6.0	U	6.0	2.4	ug/kg	1
Vinyl chloride		75-	01-4	8260D	6.0	UL	6.0	3.6	ug/kg	1
Surrogate	R Q % R	Run 1 ecovery	Acceptar Limits	nce						
Bromofluorobenzene		97	47-13	3						
1,2-Dichloroethane-d4		99	53-142	2						
Toluene-d8		106	68-12	4						

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.							Laboratory	ID: XG28016-009		
Description: DOA22 (10-15)							Mati	rix: Solid		
Date Sampled:07/28/2022 1120		Project N	lame: FPI	E Edgefield			% Solid	ds: 97.5 08/02/2	022 2240	
Date Received: 07/28/2022	P	roject Nu	mber: 276	I						
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analys 08/05/20	is Date Analyst)22 1221 JM1	Prep	Date	Batch 50239	Sample Wt.(g) 4.59		
Parameter		Nun	CAS nber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-0	06-2	8260D	5.6	U	5.6	2.2	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	5.6	U	5.6	2.2	ug/kg	1
Trichloroethene		79-0	01-6	8260D	5.6	U	5.6	2.2	ug/kg	1
Vinyl chloride		75-0	01-4	8260D	5.6	UL	5.6	3.4	ug/kg	1
Surrogate	F Q % R	Run 1 ecovery	Acceptar Limits	nce						
Bromofluorobenzene		100	47-138	3						
1,2-Dichloroethane-d4		106	53-142	2						
Toluene-d8		109	68-124	1						

ery is out of criteria P =	= The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
rted on wet weight basis			S = MS/MSD failure
r	ery is out of criteria P ted on wet weight basis	ery is out of criteria P = The RPD between two GC columns exceeds 40% ted on wet weight basis	ery is out of criteria $P = The RPD$ between two GC columns exceeds 40% $J = Estimated result < LOQ and \geq DLted on wet weight basis$

Client: O & M, Inc.							Laboratory	ID: XG28016-010		
Description: DOA22 (20-25)							Mati	rix: Solid		
Date Sampled:07/28/2022 1130		Project N	lame: FP	E Edgefield			% Solid	ds: 98.7 08/02/2	022 2240	
Date Received: 07/28/2022	F	Project Nu	mber: 276	5						
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analys 08/05/20	is Date Analyst 022 1245 JM1	Prep	Date	Batch 50239	Sample Wt.(g) 4.13		
Parameter		Nur	CAS nber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	6.1	U	6.1	2.5	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	6.1	U	6.1	2.5	ug/kg	1
Trichloroethene		79-	01-6	8260D	6.1	U	6.1	2.5	ug/kg	1
Vinyl chloride		75-	01-4	8260D	6.1	UL	6.1	3.7	ug/kg	1
Surrogate	Q % F	Run 1 Recovery	Acceptar Limits	nce S						
Bromofluorobenzene		101	47-13	8						
1,2-Dichloroethane-d4		106	53-14	2						
Toluene-d8		112	68-12	4						

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

Client: O & M, Inc.							Laboratory	ID: XG28016-011		
Description: DOA22 (25-30)							Matr	rix: Solid		
Date Sampled:07/28/2022 1140		Project N	lame: FPI	E Edgefield			% Solid	ds: 98.7 08/02/2	022 2240	
Date Received: 07/28/2022		Project Nu	mber: 276)						
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analys 08/05/20	is Date Analyst 022 1309 JM1	Prep	Date	Batch 50239	Sample Wt.(g) 4.80		
Parameter		Nur	CAS nber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	5.3	U	5.3	2.1	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	5.3	U	5.3	2.1	ug/kg	1
Trichloroethene		79-	01-6	8260D	5.3	U	5.3	2.1	ug/kg	1
Vinyl chloride		75-	01-4	8260D	5.3	UL	5.3	3.2	ug/kg	1
Surrogate	Q % F	Run 1 Recovery	Acceptar Limits	nce						
Bromofluorobenzene		100	47-138	8						
1,2-Dichloroethane-d4		104	53-142	2						
Toluene-d8		113	68-124	4						

ery is out of criteria P =	= The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \geq DL	L = LCS/LCSD failure
rted on wet weight basis			S = MS/MSD failure
r	ery is out of criteria P ted on wet weight basis	ery is out of criteria P = The RPD between two GC columns exceeds 40% ted on wet weight basis	ery is out of criteria $P = The RPD$ between two GC columns exceeds 40% $J = Estimated result < LOQ and \geq DLted on wet weight basis$

Client: O & M, Inc. Description: DOA22 (Clay) Date Sampled:07/28/2022 1150		Project N	lame: FP	E Edgefield			Laboratory Matr % Solic	ID: XG28016-012 fix: Solid ds: 98.1 08/02/2	022 2240	
Date Received: 07/28/2022	F	Project Nu	mber: 27	6						
Run Prep Method 1 5035	Analytical Method 8260D	Dilution 1	Analys 08/05/2	sis Date Analyst 022 1333 JM1	Prep	Date	Batch 50239	Sample Wt.(g) 4.46		
Parameter		Nur	CAS nber	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dichloroethane		107-	06-2	8260D	5.7	U	5.7	2.3	ug/kg	1
Tetrachloroethene		127-	18-4	8260D	5.7	U	5.7	2.3	ug/kg	1
Trichloroethene		79-	01-6	8260D	5.7	U	5.7	2.3	ug/kg	1
Vinyl chloride		75-	01-4	8260D	5.7	UL	5.7	3.4	ug/kg	1
Surrogate	Q % F	Run 1 Recovery	Accepta Limit	nce s						
Bromofluorobenzene		102	47-13	8						
1,2-Dichloroethane-d4		102	53-14	-2						
Toluene-d8		111	68-12	24						

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and \ge DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis			S = MS/MSD failure

QC Summary

Sample ID: XQ50085-001 Batch: 50085 Analytical Method: 8260D				Prep	Matrix: Solid Method: 5035			
Parameter	Res	ult	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dichloroethane	5.0		U	1	5.0	2.0	ug/kg	08/04/2022 0936
Tetrachloroethene	5.0		U	1	5.0	2.0	ug/kg	08/04/2022 0936
Trichloroethene	5.0		U	1	5.0	2.0	ug/kg	08/04/2022 0936
Vinyl chloride	5.0		U	1	5.0	3.0	ug/kg	08/04/2022 0936
Surrogate	Q	% Rec		Acceptance Limit				
Bromofluorobenzene		95		47-138				
1,2-Dichloroethane-d4		97		53-142				
Toluene-d8		106		68-124				

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

Sample ID: XQ50085-002 Batch: 50085 Analytical Method: 8260D			Pr	Matrix: ep Method:	Solid 5035		
Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dichloroethane	50	44		1	88	70-130	08/04/2022 0913
Tetrachloroethene	50	49		1	98	70-130	08/04/2022 0913
Trichloroethene	50	48		1	95	70-130	08/04/2022 0913
Vinyl chloride	50	52		1	105	70-130	08/04/2022 0913
Surrogate	Q % Rec	Acceptan Limit	се				
Bromofluorobenzene	91	47-138					
1,2-Dichloroethane-d4	90	53-142					
Toluene-d8	95	68-124					

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Sample ID: XQ50085-003 Batch: 50085 Analytical Method: 8260D					Prep N	Matrix: So Nethod: 50	olid 035			
Parameter	Spi Amo (ug	ke ount /kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
1,2-Dichloroethane	50		48		1	97	9.0	70-130	20	08/04/2022 1029
Tetrachloroethene	50		57		1	113	14	70-130	20	08/04/2022 1029
Trichloroethene	50		55		1	110	14	70-130	20	08/04/2022 1029
Vinyl chloride	50		53		1	106	0.85	70-130	20	08/04/2022 1029
Surrogate	Q	% Rec	Acc L	eptance ₋imit						
Bromofluorobenzene		107	4	7-138						
1,2-Dichloroethane-d4		96	5	3-142						
Toluene-d8		105	6	8-124						

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

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Sample ID: XQ50239-001 Batch: 50239 Analytical Method: 8260D				Prep	Matrix: Solid Method: 5035			
Parameter	Res	ult	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dichloroethane	5.0		U	1	5.0	2.0	ug/kg	08/05/2022 1043
Tetrachloroethene	5.0		U	1	5.0	2.0	ug/kg	08/05/2022 1043
Trichloroethene	5.0		U	1	5.0	2.0	ug/kg	08/05/2022 1043
Vinyl chloride	5.0		U	1	5.0	3.0	ug/kg	08/05/2022 1043
Surrogate	Q	% Rec		Acceptance Limit				
Bromofluorobenzene		97		47-138				
1,2-Dichloroethane-d4		98		53-142				
Toluene-d8		103		68-124				

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Pace Analytical Services, LLC
 (formerly Shealy Environmental Services, Inc.)

 106 Vantage Point Drive
 West Columbia, SC 29172
 (803) 791-9700
 Fax (803) 791-9111
 www.pacelabs.com

Sample ID: XQ50239-002 Batch: 50239 Analytical Method: 8260D		-	Pr	Matrix: ep Method:	Solid 5035		
Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dichloroethane	50	45		1	90	70-130	08/05/2022 0955
Tetrachloroethene	50	50		1	100	70-130	08/05/2022 0955
Trichloroethene	50	49		1	98	70-130	08/05/2022 0955
Vinyl chloride	50	65		1	130	70-130	08/05/2022 0955
Surrogate	Q % Rec	Acceptane Limit	ce				
Bromofluorobenzene	98	47-138					
1,2-Dichloroethane-d4	96	53-142					
Toluene-d8	98	68-124					

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

 Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Pace Analytical Services, LLC(formerly Shealy Environmental Services, Inc.)106 Vantage Point DriveWest Columbia, SC 29172(803) 791-9700Fax (803) 791-9111www.pacelabs.com

Sample ID: XQ50239-003 Batch: 50239 Analytical Method: 8260D					Prep N	Matrix: So lethod: 50	blid 035			
Parameter	Spik Amou (ug/l	e Int <g)< td=""><td>Result (ug/kg)</td><td>Q</td><td>Dil</td><td>% Rec</td><td>% RPD</td><td>%Rec Limit</td><td>% RPD Limit</td><td>Analysis Date</td></g)<>	Result (ug/kg)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
1,2-Dichloroethane	50		54		1	108	18	70-130	20	08/05/2022 1019
Tetrachloroethene	50		50		1	100	0.33	70-130	20	08/05/2022 1019
Trichloroethene	50		52		1	105	6.3	70-130	20	08/05/2022 1019
Vinyl chloride	50		73	Ν	1	145	11	70-130	20	08/05/2022 1019
Surrogate	Q	% Rec	Acc I	eptance _imit						
Bromofluorobenzene		99	4	7-138						
1,2-Dichloroethane-d4		104	5	53-142						
Toluene-d8		102	e	8-124						

 LOQ = Limit of Quantitation
 U = Not detected at or above the LOQ
 N = Recovery is out of criteria

 DL = Detection Limit
 J = Estimated result < LOQ and ≥ DL</td>
 P = The RPD between two GC columns exceeds 40%

 * = RSD is out of criteria
 + = RPD is out of criteria

Chain of Custody and Miscellaneous Documents

Pace Analytical *	106) Telef	ACE ANALYT Vantage Point Driv Shone No. 803-79 www.	ICAL SERVICES, I . West Columbie, SC 1-3700 Fax No. 803-7 pacelabe.com	29172 91-3111	Number	137772
Clear Occur M TNIC	Report to	Control (hr. c.k.)	har Fileret	Tsteptons No. / E-mell	here file the sec	Quote No.
Address HEA MALLE I	Semptors	Signature		Analysis (Attach list if more sp	יירוע ב- האדור הייראקור בי גוואי מירוע ב- המסמים)	C /
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Project Name FPF F Lastield	JAD EILY	Shupher F	Lersi			XG28016
Project No. 276	2.0. No.	and Medric	kon of Containers No of Containers Ly Preservative Type	00		csb
Sample 12 / Georgian (Containers for each sample may be compliced on une line.)	Collection Collection Time Date(s) (AMMary)	euosuph suosuph stos ast ast south	Pointy pay UKSESS HORN KORN KORN KORN	9E8		Remarks / Cooler I.D.
DBA32 (5-10) (07/as/22 1000	X		>		
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DBA32 (15-20)	07/38/22 1020	GK		>		
PRDA22 (5-10)	02/28/22 1030	G X .		>		
PBDA32(15-20)	07/28/22 1040	G		>		
PBDA22 (25-30)	07/38/32 1050	× U		>		
PBDA23 (30-35)	07/38/20 1100	G ×		>		
PBDA22 (35-40) c	01/13/23 1110	G, X		>		
DOA22 (10-15)	07/28/22 1120	G X		>		
DOA 33 (30-35)	07/28/22 1130	G X		>		
Turn Around Time Required (Pflor fab approval reveited f	for expedited 70.6.) Ssraple Disp 1.1 Retworks 0.6	asai Xant I.J. Disposal oy Lab	Possible Mezerof Identitication El Mon-Hazard El Flanumation	a e 11 Sătu hidimet 1 Poiscon 1	CC Requirement	s (Saccity)
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Note: All samples are retaine unless other arrang	ad for four weeks from re gements are made.	celpt	LAB USE/ONLY Received on ins (Cado) (N	by No fas Parts Rea	1 2. 8. 8. 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	emp Blumk 10 Y D N
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PACE ANALYTICAL SERVICES, LLC

Face Analytical	PACE 106 Vantag Telephone	ANALYTIC Je Point Drive No. 803-791- WWW.P	CAL SERVICES, L West Cotumbia, SC 9700 Fax No. 803-71 acelats.com	.LC 29172 31-8111		Number	137773
Cuent Oan! M TNC.		hristor	her Fuerst	Telephone No. / E-msi (3655) 343 - 3446 / Ch	in a second s	w. /em	Duale No.
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Project No. 376 J	P.O. No.	Matrix	No of Canteriors by Preservenive Type	109	-		030
Stample 10 / Description (Catables for each sample mer lie contrived or our for)	Calificition Californian Time 60	soushi) masaby vitte F30S	Porega Pagy EX 5009 HOTN IDH EDNH POR2H	839			Remarks / Cooler I.D.
DOARA (35-30)	07138133 INHO G	×		>			
DOA23(Clay)	07/28/22 N50 G	×		>			
7 17.			-				
Turn Around Time Regulted (PHor Int) approval required (C Standard 2 Rush (Spacify)	for expedited DLJ Sample Disposed	Disproved by Lab	Possible Hazard Identification	C Skin Irritant D Pois	an O Unionstan	CC Requirement	s (Specify)
1. Relinquished by O Dry Longhan 0 31	10 2 4 2 C 7/281 33	N50	. Received by			Date 7	ine Gio
2. Relinquished by	Date	Timo 2	. Received by			Date 7	inte inte
3. Relinquensed by	Dato	Three 2	, Received by			Diste 7	inte 1
4. Petinquisted by	Date	7.4716	Laboratory received by (LaUG) N 10 of the			Date Date	Bar W.W. 0712512 L
Note: All samples are retained unless other arrang	ad for four weeks from receipt gements are made.	54	AB LEE ONLY Received on ice (Orde) (Ye	No Ice Pack	Receipt Temp	3.8 c	boor Blank NY LIN
openada i unhermonte s xertonavenderen in paparado	ory with Sample(s); Plivite-Field(Client C	ADD				Decum	nord Murritor: ME003M9-04

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.) 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

PACE ANALYTICAL SERVICES, LLC

raceAnayucal	Issuing Authority: Pace ENV - WCOL	ed:9/29/2
01 M -	Sample Receipt Checklist (SRC)	Lage 1
Client: 0811 Inc	Cooler Inspected by/date: WMV / orthstore Inter VCDSALC	
Means of receipt:	Pace Client UPS FedEx Other:	
Yes No	1. Were custody seals present on the cooler?	
	A 2. If custody seals were present, were they intact and unbroken?	
pH Strip ID: NR	Chlorine Strip ID: Na-	
Original temperature up	on receipt / Derived (Corrected) temperature upon receipt %Salid Saan Orn ID, 00, 1002	
DU DE C NAV	ME °C_NK / NA °C_NK / NA °C 11 M	
Mathed of an I emperature	Blank Against Bottles IR Gun ID: 5-6 6/18/2/IR Gun Correction Factor 0	
witchied of coolant: 1	Wet Ice L Ice Packs Dry Ice None	A
Yes No NN	A 3. If tomperature of any cooler exceeded 6.0°C, was Project Manager Notified?	
Ves No UN	I'M was Notified by: phone / email / face-to-face (circle onc).	1
N Yes No	 Is the commercial courier's packing slip attached to this form? Were attached to this form? 	
N Yes No	6. Were proper custody procedures (relinquished/received) followed?	
V Yes No	2. Were sample IDs listed on the COC?	
V Yes No	7. Were sumple (Ds fisted on all sample containers?	-
V Yes No	 was collection date & time listed on the COC? Was collection date & time listed on the COC? 	
Ves No	 was collection date & time listed on all sample containers? 	
V Ves No	10. Did all container label information (ID, date, time) agree with the COC?	
	11. were tests to be performed listed on the COC?	
TYes No	12. Did all samples arrive in the proper containers for each test and/or in good and its	
	(unbroken, lids on, etc.)?	1
Yes No	13. Was adequate sample volume available?	
V Yes No	14. Were all samples received within 1/2 the holding time on 18 hours	
Yes INNo	15. Were any samples containers missing/excess (circle one) send to Werker comes first?	
TYes DNO NINA	16. For VOA and RSK-175 samples, were bubbles present Stress always with the	
	in any of the VOA vials?	X I
Yes No NA	17. Were all DRO/metals/nutrient samples received at a pH of < 22	_
Yes LINO LINA	18. Were all cyanide samples received at a $pH > 12$ and sulfide	
Yes No NA	 Were all applicable NH₂/TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free lived at a pH > 9? 	_
	residual chlorine?	ł.
Yes No VNA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc.)	_
IV BUN	correctly transcribed from the COC into the comment section in LIMS?	ł.
Yes No	21. Was the quote number listed on the container label? If yes, Quote #	
ample Preservation (N	fust be completed for any sample(s) incorrectly meters in the state	
ample(s)_NK	in the second se	
a sample receiving with	Max mL of circle one: H2SCM (D)C2, UC) at accordingly	/
inc of preservation	If more than one preservative in and have a set the set of the set	1
	in the preservative is needed, please note in the comments below.	1
ample(s)	were received with bubbles >6 mm in dimension	4
amples(s) (V+)	were received with TPC > 0.5 molt (16 in a diameter.	_
justed accordingly in san	tple receiving with sodium thiosulfate (Na ₃ S ₃ O ₃) with Sheaty ID: $\frac{h}{h}$	ł
R barcode labels applied b	W UNAL ADDO 10	1
-Three C	Date: 0/12817-022	
Miniente:		8