



April 2026 Monthly Compliance Report

Solid Waste Permit No. 588
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INTRODUCTION

On behalf of the City of Bristol, Virginia (City), SCS Engineers has prepared this report to the Virginia Department of Environmental Quality (VDEQ) in accordance with Item 8.iii in Appendix A of the Consent Decree between the City and VDEQ. This report provides updates regarding the progress towards completion of the items outlined in Appendix A of the Consent Decree between the City and VDEQ. The following sections outline progress during the month of April 2026 related to Solid Waste Permit (SWP) No. 588.

1.0 GAS COLLECTION

The following sections describe the steps the City, in collaboration with its consultants and contractors, has taken to improve the operation, monitoring, and performance of the facility's landfill gas collection and control system (GCCS).

1.1 SURFACE AND LEACHATE COLLECTION EMISSIONS

1.1.1 Surface Emissions

SCS performed surface emissions monitoring on March 31, 2026; April 8, 2028; April 16, 2026; April 22, 2026; and April 30, 2026. These weekly surface emissions monitoring (SEM) events were performed in accordance with Item 1.i in Appendix A of the Consent Decree between the City and VDEQ. SCS also performs quarterly SEM at the landfill in accordance with regulatory requirements.

The details and results of the SEM are included in **Appendix A**. A summary of the outcomes is provided in **Table 1**.

Table 1. Summary of April Surface Emissions Monitoring

Description	March 31, 2026	April 8, 2026	April 16, 2026	April 22, 2026	April 30, 2026
Number of Points Sampled	166	166	166	167	168
Number of Points in Serpentine Route	100	100	100	100	100
Number of Points at Surface Cover Penetrations	66	66	66	67	68
Number of Exceedances	0	0	1	0	0
Number of Serpentine Exceedances	0	0	0	0	0
Number of Pipe Penetration Exceedances	0	0	1	0	0

In response to the SEM results, the City and the City's operations, monitoring, and maintenance contractor, SCS Field Services O&M (SCS-FS) took the following actions or noted the following observations:

An initial pipe penetration exceedance was recorded at EW-67. After additional bentonite and soil placement, monitoring of this well during a follow-up event did not result in an exceedance.

1.1.2 Monitoring of Leachate Collection Components

SCS Field Services (SCS-FS) was onsite at the Bristol Landfill on April 2, 2026, and performed monitoring of the leachate, witness zone, northern cleanouts, and gradient control clean-outs at the southern end of the landfill. The results of that monitoring are included in **Table 2**.

Table 2. Leachate Cleanout Pipe Monitoring Results

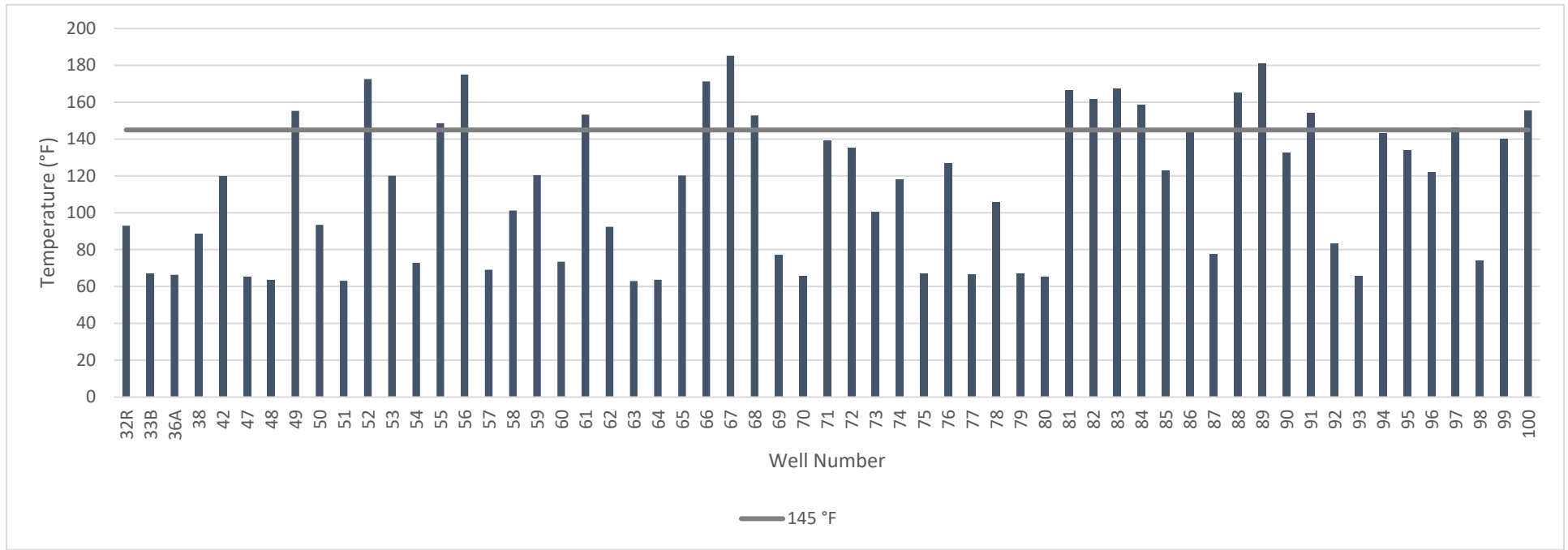
Description	ID#	Record Date	CH4 (% by Vol)	CO2 (% by Vol)	O2 (% by Vol)	Balance Gas (% by Vol)	Initial Temp (°F)	Adj Temp (°F)	Initial Static Pressure (in H2O)	Adj Static Pressure (in H2O)	System Pressure (in H2O)
Southern Cleanouts Gradient West	LC01	4/2/2026 9:11:53 AM	51.1	33.6	2.3	13.0	60.5	60.3	-14.93	-13.96	-15.03
Southern Cleanouts Gradient East	LC02	4/2/2026 9:19:24 AM	37.7	26.2	9.4	26.7	61.6	61.8	-14.20	-14.18	-14.47
Southern Cleanouts Leachate Center	LC03	4/2/2026 9:24:41 AM	5.7	3.0	19.0	72.3	61.2	61.3	-1.88	-2.17	-14.36
Southern Cleanouts Witness East	LC04	4/2/2026 9:29:14 AM	67.1	24.3	0.1	8.5	62.3	62.5	-12.75	-13.48	-14.93
Southern Cleanouts Leachate West	LC05	4/2/2026 9:45:51 AM	51.5	33.8	2.3	12.5	67.5	67.4	-14.52	-14.49	-14.33
Southern Cleanouts Gradient Center West	LC06	4/2/2026 9:48:20 AM	2.2	1.4	19.8	76.6	70.8	70.9	-14.00	-13.88	-13.72
Southern Cleanouts Leachate East	LC08	4/2/2026 9:32:36 AM	52.0	31.8	2.4	13.8	63.6	63.8	-15.12	-13.66	-15.26
Southern Cleanouts Gradient Center East	LC09	4/2/2026 9:54:23 AM	57.0	38.5	0.0	4.5	63.2	63.6	-13.54	-13.79	-15.29
Southern Cleanouts Leachate West	LC10	4/2/2026 9:42:33 AM	57.7	37.5	0.0	4.9	64.6	64.8	-13.35	-13.48	-15.34
Northern Cleanouts Leachate East	NC01	4/2/2026 10:30:01 AM	31.8	16.6	9.4	42.3	82.9	83.3	-0.02	-0.02	0.02
Northern Cleanouts Leachate Center	NC02	4/2/2026 10:26:53 AM	31.5	16.0	9.6	42.9	82.5	82.4	-0.03	-0.03	-0.07
Northern Cleanouts Leachate West	NC03	4/2/2026 10:13:28 AM	36.0	18.1	8.9	37.1	84.3	84.5	-0.02	-0.02	-0.01
Northern Cleanouts Witness East	NC04	4/2/2026 10:32:29 AM	52.2	26.8	2.0	19.1	87.4	87.6	0.16	0.16	0.02
Northern Cleanouts Witness Center	NC05	4/2/2026 10:23:42 AM	58.8	30.7	1.2	9.3	81.3	82.7	-0.22	-0.22	-0.11
Northern Cleanouts Witness West	NC06	4/2/2026 10:16:20 AM	4.3	2.1	18.9	74.7	78.0	77.9	-0.02	-0.02	-0.23
Northern Cleanouts Gradient East	NC07	4/2/2026 10:35:31 AM	49.1	24.0	0.0	27.0	76.8	77.2	0.38	0.39	0.02
Northern Cleanouts Gradient Center East	NC08	4/2/2026 10:38:19 AM	61.7	32.9	0.0	5.4	70.4	71.2	0.48	0.48	0.02
Northern Cleanouts Gradient Center West	NC09	4/2/2026 10:20:23 AM	63.5	31.9	0.0	4.6	70.2	70.2	0.57	0.57	0.02
Northern Cleanouts Gradient West	NC10	4/2/2026 10:10:16 AM	18.3	9.9	13.7	58.1	82.5	83.4	-0.02	-0.02	-0.05

1.2 EXISTING GAS EXTRACTION SYSTEM PERFORMANCE

SCS reviewed the automated hourly temperature measurements from April 2026, and observed the following:

- The average temperature in April was above the regulatory threshold of 145 °F at 18 of the 59 wells (see **Figure 1**).
- The highest average temperature was 185.2 °F at EW-67. This well experienced ongoing temperature exceedances in April and is being actively monitored. EW-89, which has typically shown the highest average temperature, was second highest in April. EW-67 has an active dewatering pump, removing heat via the extracted liquids and creating more open pore spaces for hot gas to be extracted in turn. The pinched casing of EW-89 does not allow for the same dewatering response.

Figure 1. Monthly Average Automated Wellhead Temperatures¹



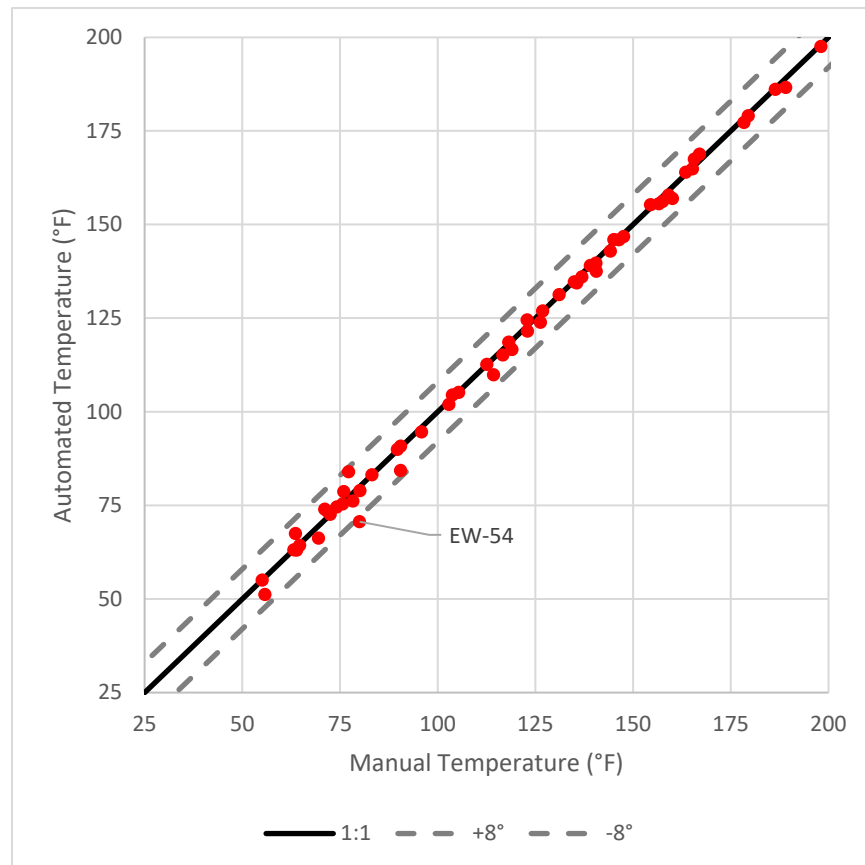
¹ 145°F is the NESHA AAAA compliance threshold for well temperature, included here for reference.

1.2.1 Comparison with Manual Temperature Measurements

Per the approval issued by VDEQ on August 2, 2023, the Facility ceased dedicated daily manual temperature measurements in the Permit No. 588 Landfill. In lieu of these measurements, the City compares instantaneous hourly automated temperature measurements with temperatures measured at each wellhead using a handheld sensor during monthly compliance monitoring. These comparisons are shown in **Figure 2**, with the $\pm 8^\circ\text{F}$ deviation thresholds as prescribed in the VDEQ approval.

Temperatures were within the $\pm 8^\circ\text{F}$ deviation threshold at all wells except one, EW-54, during this reporting period. At EW-54, the automated reading was lower than the manual reading by about 9°F . However, the automated readings show a warming trend during the period of time surrounding the manual reading, and the automated reading following the manual reading was about 6°F warmer.

Figure 2. Automated vs. Manual Temperature Measurements



1.2.2 Monthly Regulatory Wellhead Temperature Measurements

Routine monthly temperature monitoring was conducted on April 13 and April 27, 2026, to comply with 40 CFR 60.36f(a)(5). **Table 3** provides the status of exceedances recorded during this monitoring period.

Table 3. April Temperature Exceedance Summary

Well ID	Initial Exceedance Date	Compliant Reading	Most Recent Reading	Duration of Exceedance	Status as of 5/1/2026
EW-52	4/27/26	N/A	4/28/26 188.0 °F	4 days	Ongoing, within 15-day timeline
EW-67	4/13/26	4/23/26 176.9 °F	4/28/26 200.1 °F	11 days	Resolved within 15-day timeline
EW-67	4/27/26	N/A	4/28/26 200.1 °F	4 days	Ongoing, within 15-day timeline
EW-68	3/30/26	4/9/26 140.5 °F	4/28/26 144.1 °F	11 days	Resolved with 15-day timeline
EW-68	4/13/26	4/28/26 144.1 °F	4/28/26 144.1 °F	16 days	Resolved within 60-day timeline

1.2.3 LFG Sampling

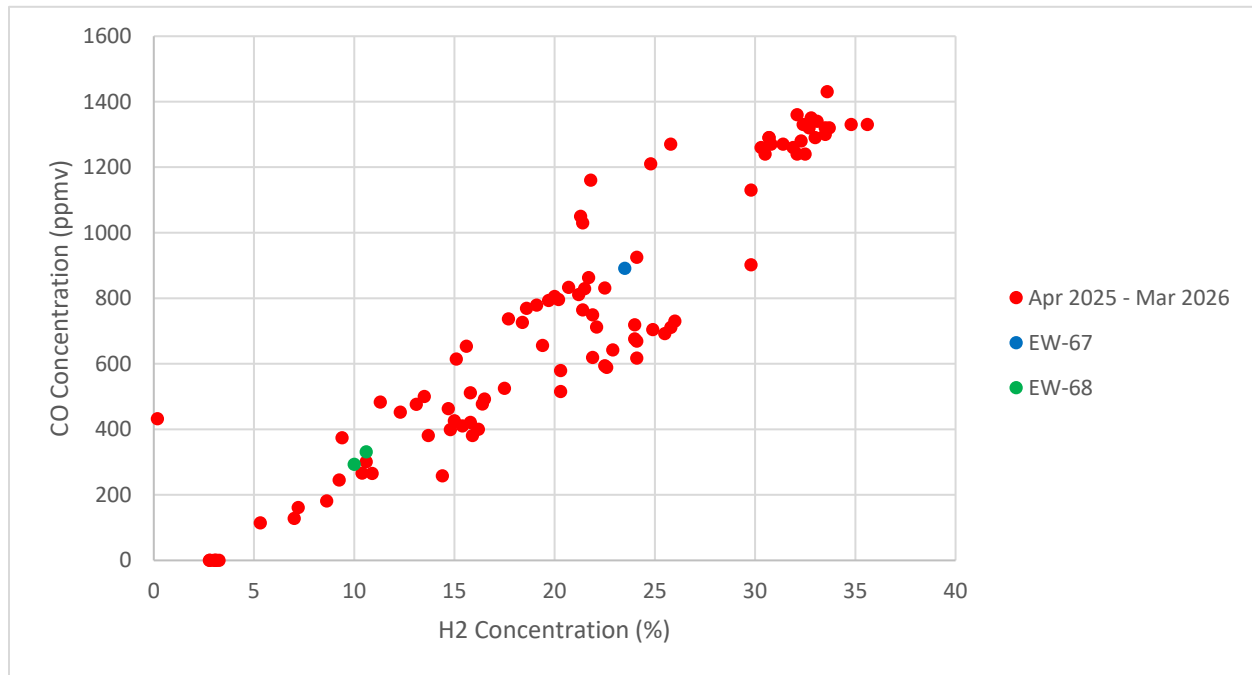
SCS collects weekly LFG samples from wells with temperature exceedances lasting more than seven days using 1.5-L summa canisters. The samples were sent to Enthalpy Analytical for laboratory analysis of carbon monoxide (CO) and hydrogen (H₂) content. As of May 1, 2026, the City has received lab results for sampling on April 2, April 9, and April 16, 2026, to fulfill the requirement in 40 CFR 63.1961(a)(5). The lab data are summarized in **Table 4**.

Table 4. LFG Wellhead Sampling Summary

Sample Date		4/2/26	4/9/26	4/16/26
EW-67	CO (ppmv)			891
	H2 (Vol. %)			23.5
EW-68	CO (ppmv)	293	331	
	H2 (Vol. %)	10.0	10.6	

As shown in **Figure 3**, the carbon monoxide and hydrogen data collected during this period appear are consistent with the data collected previously in 2025 and 2026.

Figure 3. CO vs H₂ Concentration from gas wells in April 2026 with historical trend



2.0 SIDEWALL ODOR MITIGATION

On the City's behalf, SCS designed and constructed a system to control fugitive emissions emanating from the quarry sidewalls.

2.1 PERIMETER GAS COLLECTION SYSTEM

Refer to the April 2023 Monthly Compliance Report for the SWP No. 588 Landfill, for information about the perimeter gas extraction wells.

2.2 SIDEWALL ODOR MITIGATION SYSTEM

Refer to the October 2022 Monthly Compliance Report for the SWP No. 588 Landfill, for information about the design of the sidewall odor mitigation system.

2.3 PILOT SYSTEM

Refer to the February 2023 Monthly Compliance Report for the SWP No. 588 Landfill, for information about the design of the construction of the pilot sidewall odor mitigation system.

2.4 FULL SYSTEM OPERATION

Operation of the sidewall odor mitigation system is monitored on a monthly basis. SCS-FS collected monitoring data at each wellhead under vacuum in April. A summary of system averages during the month is shown in **Table 5**.

Table 5. Average SOMS Gas Composition

Record Dates	Average CH ₄ [%]	Average CO ₂ [%]	Average O ₂ [%]	Average Bal Gas [%]
4/14/2026	3.3	4.5	17.5	74.7
4/29/2026	3.7	6.1	16.7	73.5

The sidewall system average gas composition indicates lower methane content and higher oxygen and balance gases than other components in the LFGCCS. These gas composition measurements indicate that the SOMS is collecting a mixture of LFG escaping the sidewall and air, as anticipated. Adjustments to vacuum at each wellhead are made on a regular basis to address changes in sidewall emissions and facilitate placement of additional soil.

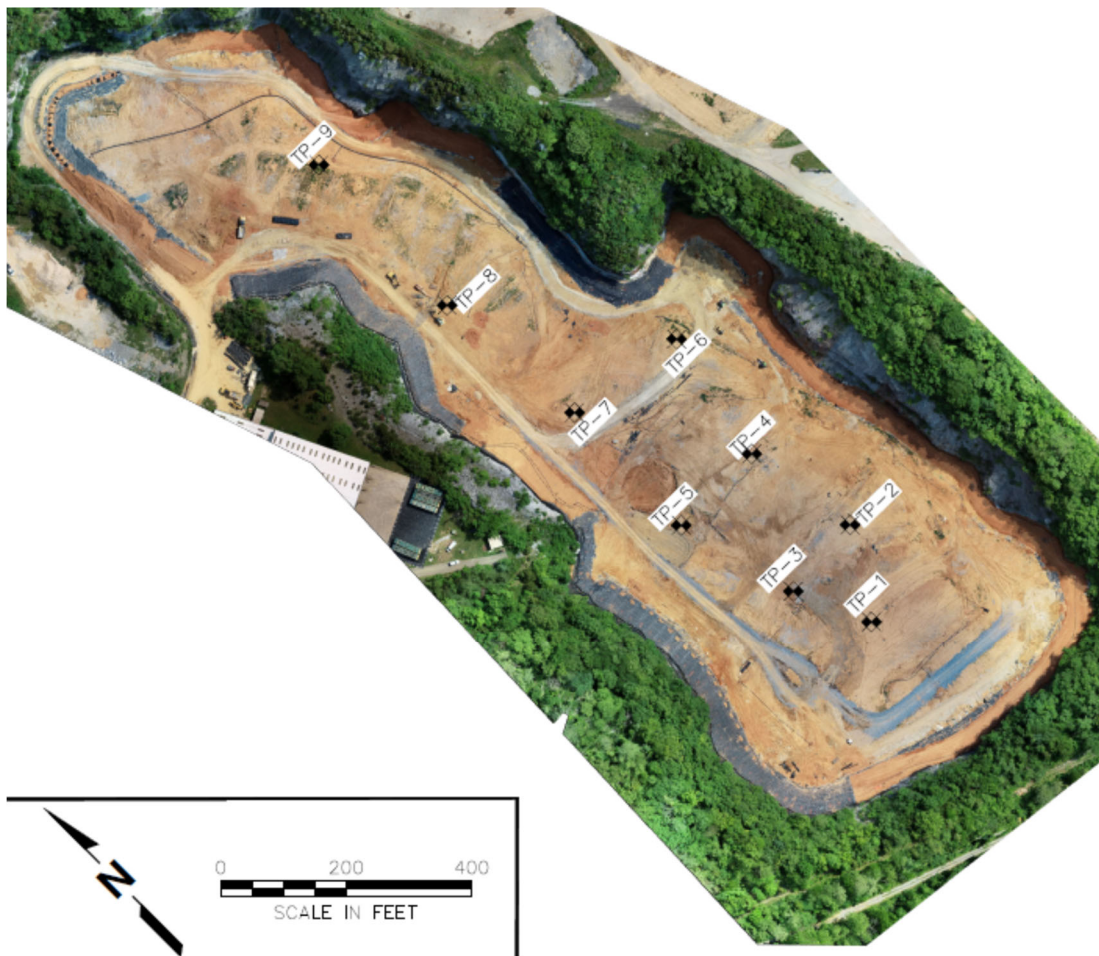
3.0 WASTE TEMPERATURE MONITORING

SCS designed a monitoring system to collect temperature data throughout the waste mass. The steps taken by the City to implement this system are described in the following sections.

3.1 SUMMARY OF WASTE TEMPERATURE MONITORING

Installation of the in-situ Landfill Temperature Monitoring System began in October of 2022 and installation of replacement sensors was completed in February of 2023. Details of construction progress can be found in the monthly compliance reports for the SWP No. 588 Landfill. The locations of the temperature probes are shown in **Figure 4**.

Figure 4. Temperature Monitoring Probe Locations



SCS began collecting temperature data daily on February 15, 2023.

Average daily temperatures recorded by the sensors for the month of April are included in **Appendix D**. Each week the average temperatures from a select day of that week are downloaded and compared to temperatures recorded during the previous week. Average daily temperatures recorded on select days during the month of February are shown in **Appendix B**. The average temperatures recorded for March 2023, March 2024, March 2025, March 2026, and April 2026 are shown in **Figures 5 through 9** on the following pages.

Overall, these data indicate that temperatures within the landfill are generally stable and are typical of those observed at elevated temperature landfills (ETLFs). The temperatures recorded are substantially lower than those associated with landfill fires or other combustion processes, which can exceed 1000 °F, which is further evidence that the elevated temperatures are due to sources other than combustion.

3.1.1 Operational Challenges

Multiple thermocouples in TP-2 and TP-3 started to fault in late 2024/early 2025. SCS coordinated with the City in March to pull the string of thermocouples from TP-2 and TP-3 but were unable to remove the strings in either probe due to suspected pinching of the casings. TP-7 has been malfunctioning and offline since December 4, 2025. SCS-FS relocated equipment that had been part of TP-2 to TP-7 in January, but the sensors at TP-7 still did not function. TP-2, TP-3, and TP-7 have been abandoned. The City is in the process of finalizing bid documents for the installation of three replacement probes per the Plan of Action Addendum dated February 2, 2026.

3.1.2 Temperature Profiles

Temperature profiles for the operational thermocouple strings are shown in **Figures 5-9**. Temperatures profiles have been consistent throughout 2026, with peak temperatures between 200 and 275°F in TP-1, TP-5, and TP-8 and 150°F in TP-9.

The profile at TP-6 is an exception, where temperatures have declined below 200°F in 2025 and outlying temperature measurements have been recorded at 75 ft. Troubleshooting by field staff indicated that the sensor at the 75-foot level is malfunctioning. Given that the majority of the sensors within this casing are still functioning properly, the sensor at 75 ft will not be retrieved to avoid damaging the other sensors within the casing. Data from the 75-foot level of TP-6 has been excluded from this report.

Figure 5. TP-1 Average Temperatures for the Months of March 2023, March 2024, March 2025, March 2026, and April 2026

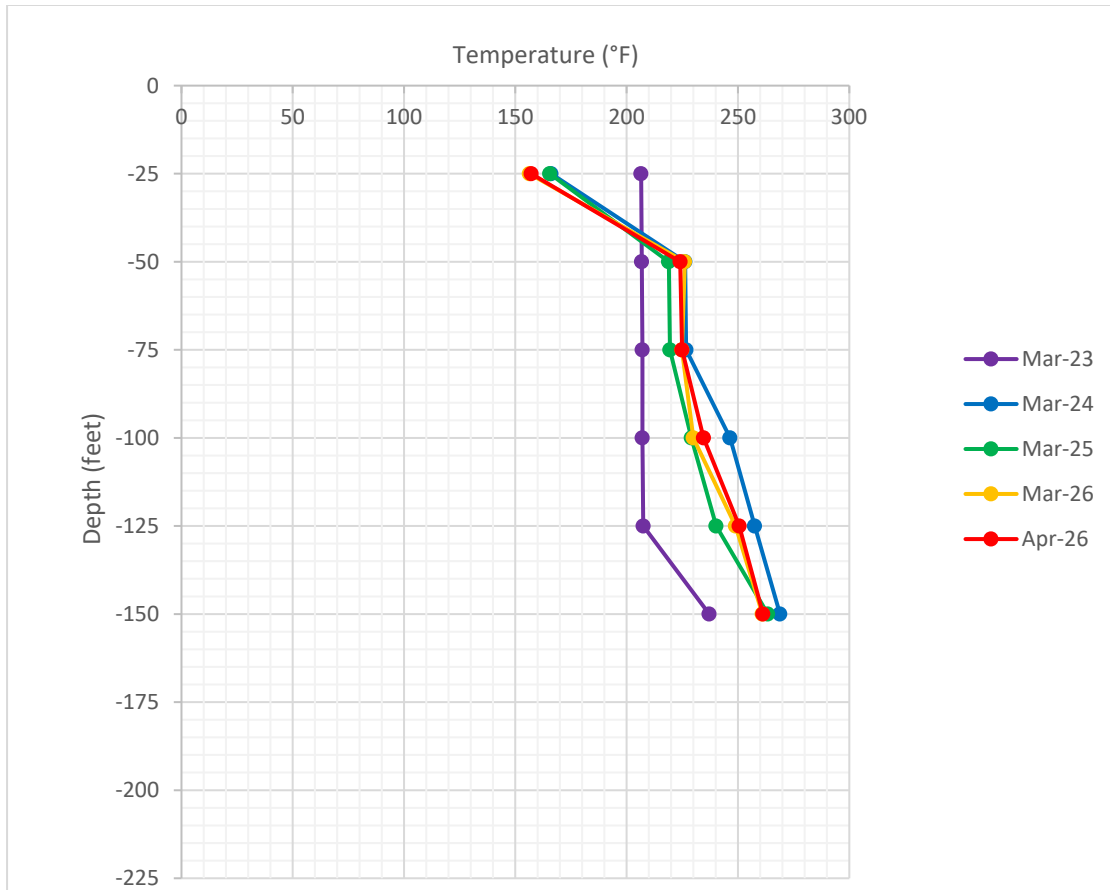


Figure 6. TP-5 Average Temperatures for the Months of March 2023, April 2024, March 2025, March 2026, and April 2026

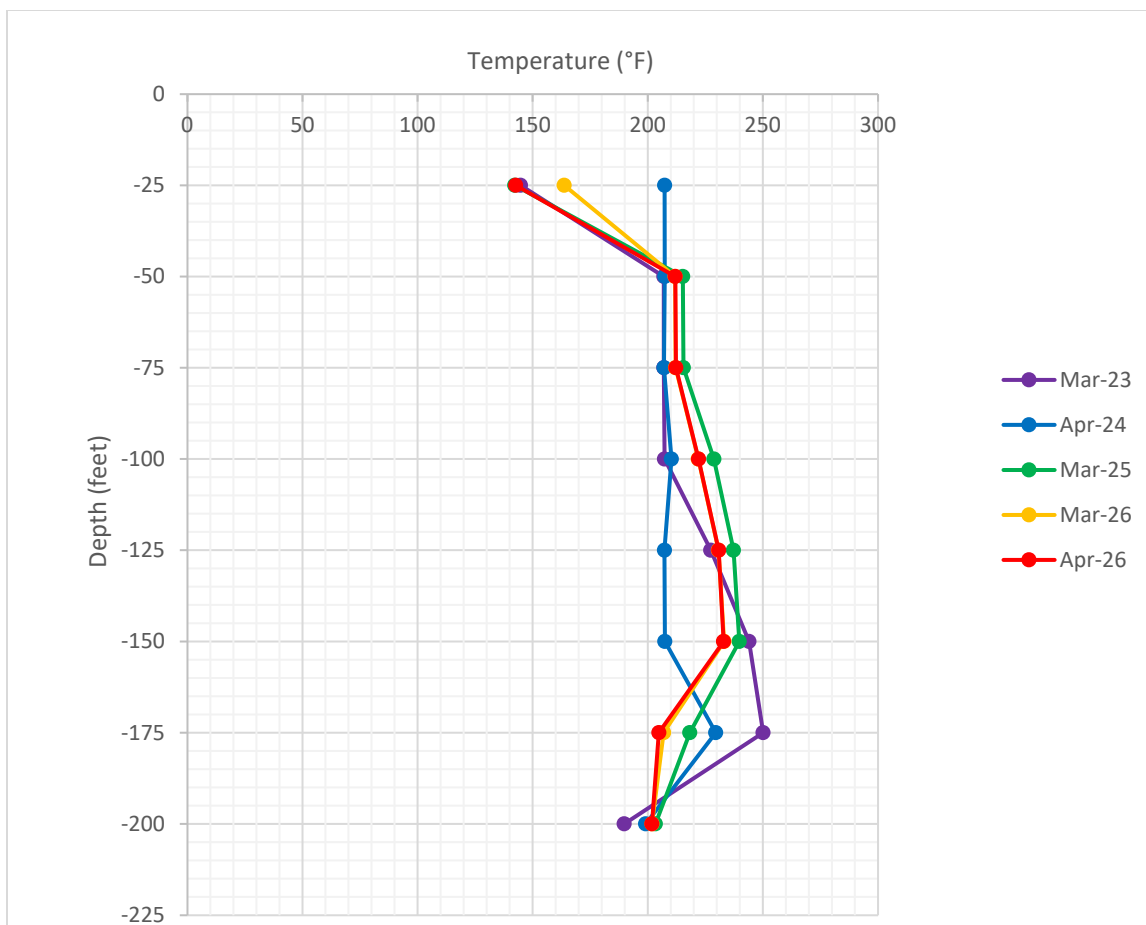


Figure 7. TP-6 Average Temperatures for the Months of March 2023, March 2024, March 2025, March 2026, and April 2026

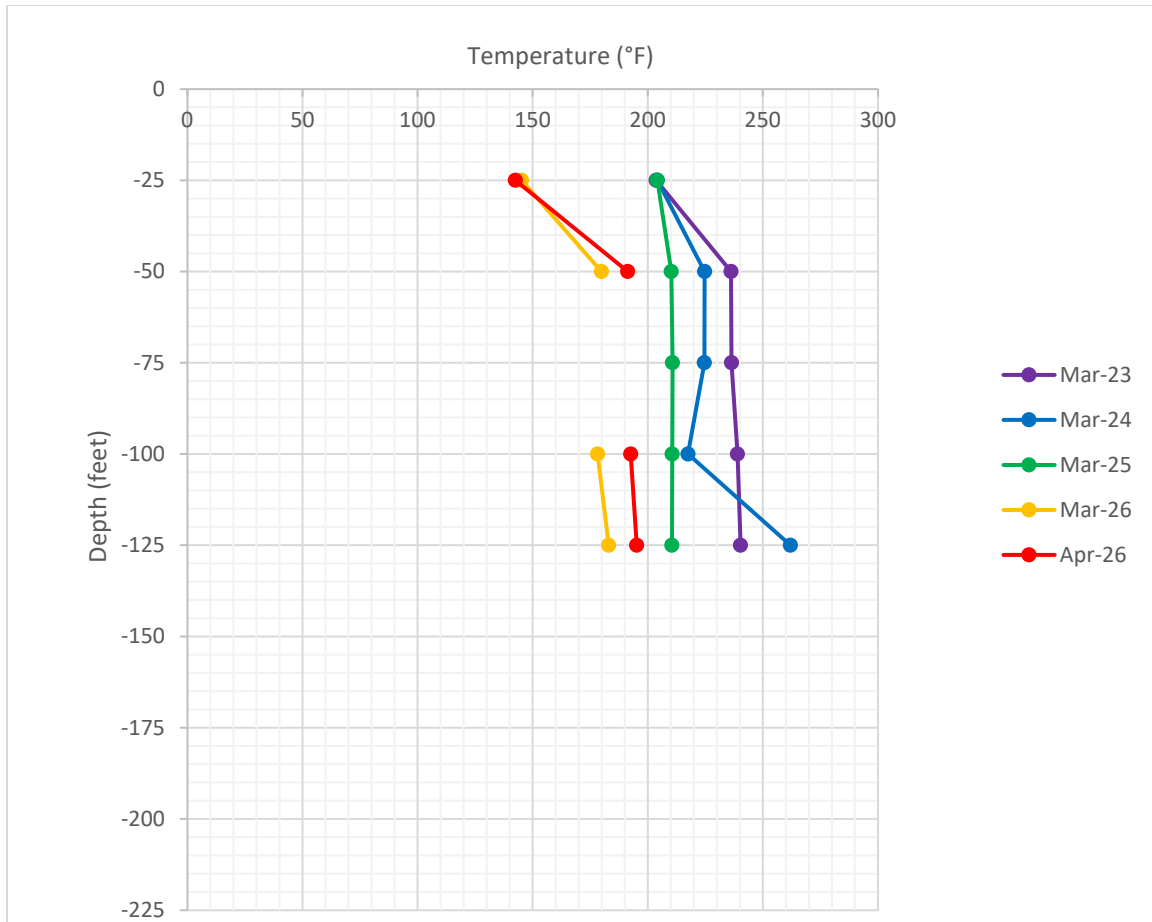


Figure 8. TP-8 Average Temperatures for the Months of March 2023, March 2024, March 2025, March 2026, and April 2026

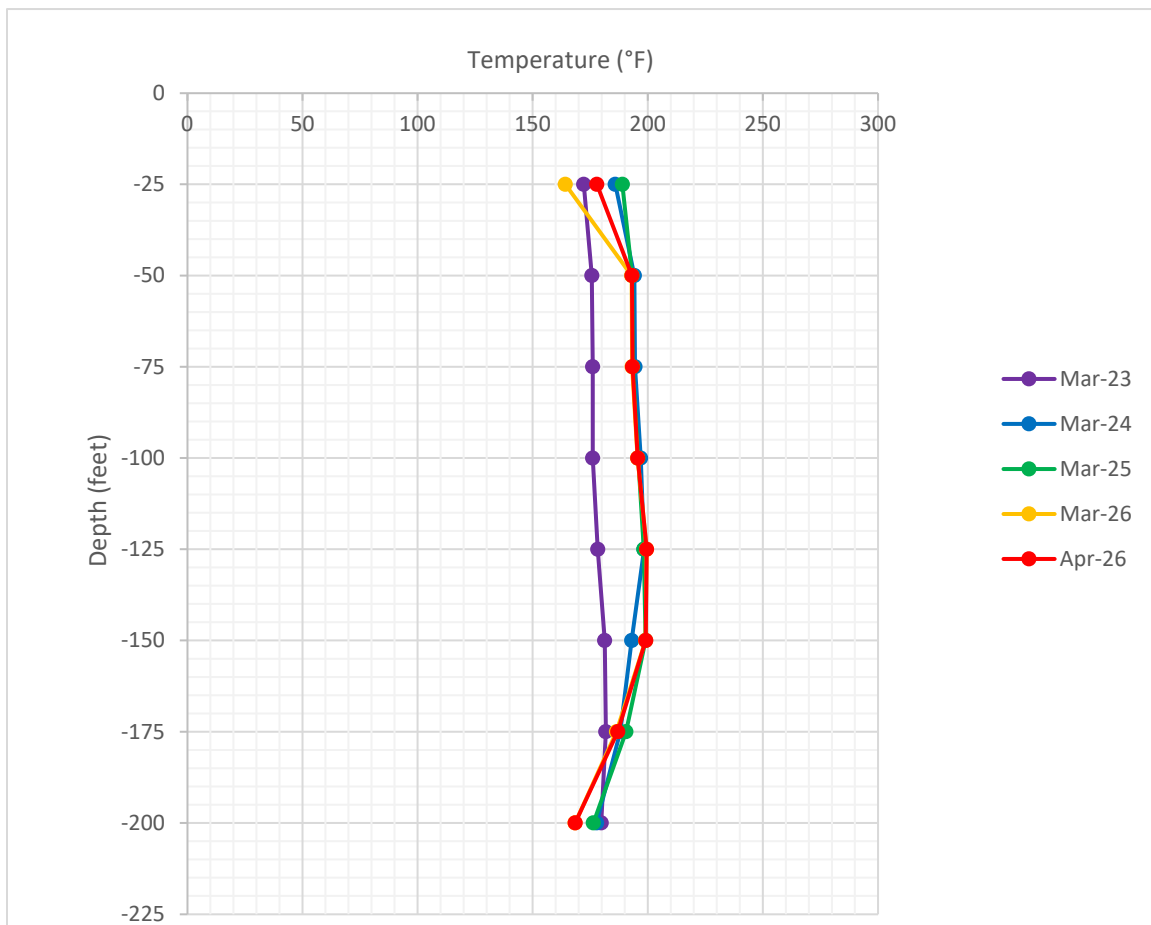
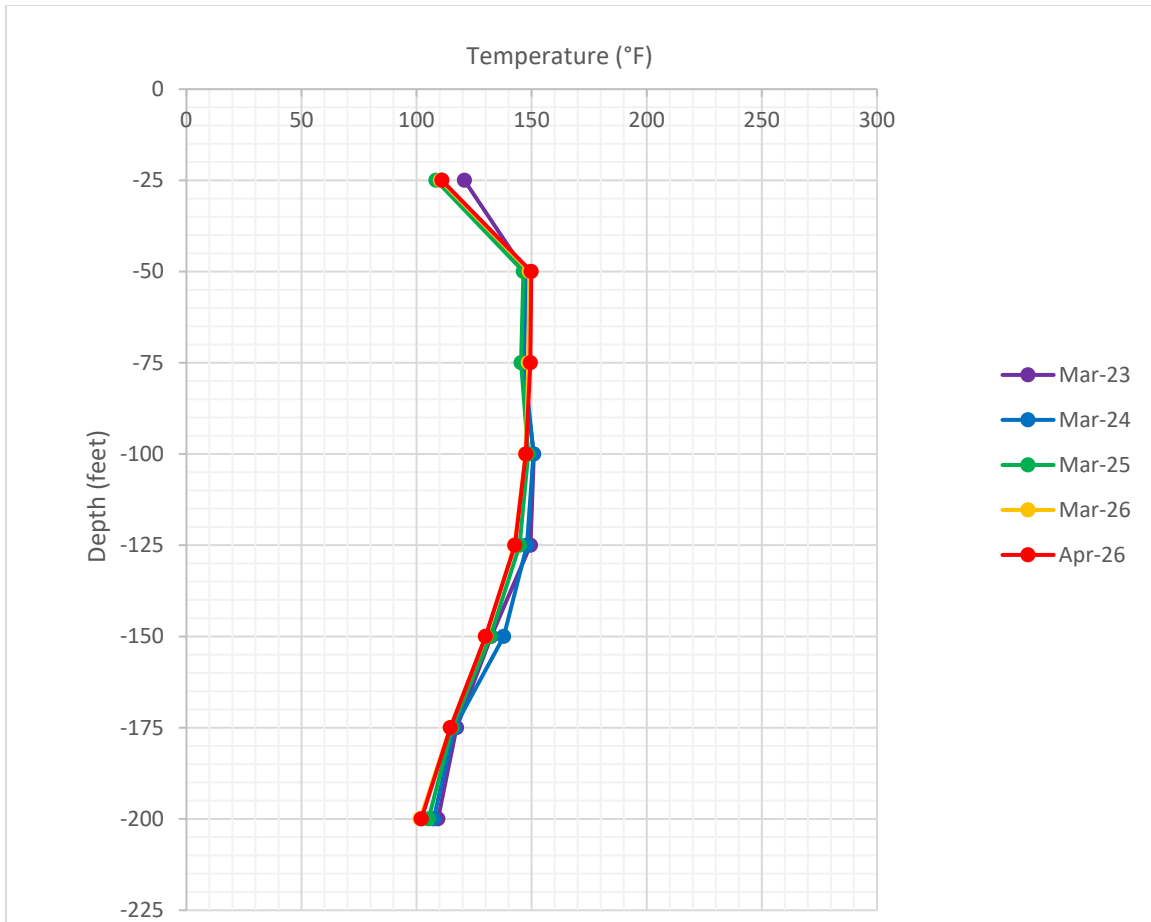


Figure 9. TP-9 Average Temperatures for the Months of March 2023, March 2024, March 2025, March 2026, and April 2026



4.0 LEACHATE EXTRACTION AND MONITORING

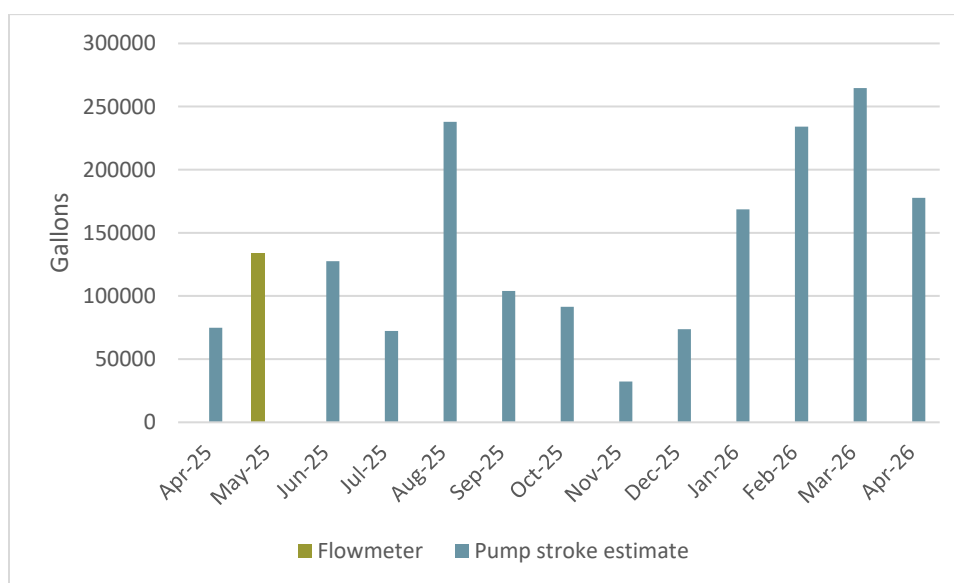
The City is continuously taking steps to maintain and improve the extraction of leachate from the waste mass and collect analytical data on leachate characteristics. The following sections detail steps taken to achieve these goals.

4.1 DEWATERING PUMP OPERATIONS AND MAINTENANCE

4.1.1 Total LFG Liquids Removal

Figure 10 illustrates monthly landfill gas liquids removal over the past year. The volume was estimated from stroke counter data for April 2025 and June 2025 through April 2026 (blue bars in **Figure 10**). A flow meter was used to record the volume in the other months. Over the past 6 months, the estimated monthly leachate pumped has ranged from 32,200 to 264,600 gallons per month and has averaged 158,487 gallons per month.

Figure 10. Total Dewatering Liquid Removal



The Harnden Group began an LFG expansion construction project in September, which necessitated pauses in the operation of dewatering pump infrastructure in December. During construction of the expansion, the Harnden Group identified forcemain piping that was nearly completely blocked with solids. The City worked with the Harnden Group to replace the blocked forcemain piping as part of the expansion project. Jet cleaning of the clogged leachate lines occurred in March and April.

4.1.2 LFG Liquids Pump Operations and Maintenance

The City and SCS understand that operations of dewatering pumps are critical to address issues related to heat, odors, and the efficient operation of the GCCS. The landfill conditions present a challenging environment for pump operations. Daily pump checks and maintenance of spare pumps will continue indefinitely, along with pump replacements as needed.

Estimated volumes of liquids removed at each pump are presented in **Table G-1, Appendix G**. SCS has prepared the summary below regarding operating conditions and specific challenges associated with each pump in April 2026.

Pump Maintenance Activities

- Pulled and swapped pumps in EW-52, EW-61, EW-66 (3 times), EW-67, EW-85, EW-88, EW-98
- Replaced tri tubing at EW-52, EW-61
- Built and installed pumps at EW-54, EW-55, EW-66
- Replaced forcemain fittings at EW-55

Wells with Inactive Pumps

- The pump in EW-33B is stuck in the well casing and has been disconnected. SCS-FS plans to remove the existing pump with heavy equipment and replace the pump with a new QED pump in May.
- SCS-FS intends to replace the Blackhawk pump in EW-36A with a QED pump, which has been scheduled for May.
- The pumps in EW-51, EW-57, EW-87, EW-90, and EW-100 are permanently stuck in their wells even after attempts to remove them with heavy equipment. They cannot be cleaned or repaired.
- The pump in EW-55 is inactive due to excessive pressure buildup in the forcemain line.
- All pump types deployed in EW-74 and EW-75 have experienced buildup on the intake screens preventing effective pump operation. To conserve resources for pumping in other wells, pumps are no longer being deployed in these wells.
- The casings of EW-81, EW-83, and EW-91 extend too high above the existing ground level for a pump to be safely accessed. These are stainless steel wells that cannot be lowered through conventional means. SCS-FS and the City are coordinating placement of additional soil around the wells to provide safe access.
- Removal of the pump in EW-89 was attempted by SCS-FS in January 2026. The pump became stuck about 30 feet down well, and camera equipment showed an apparent collapse in the well at about 31.5 feet. A new pump will not be installed at this well. This pump was permanently removed in April 2026.
- The pump in EW-93 has been removed due to clogging of the tri tubing and forcemain tee.

In addition to the challenges associated with the individual pumps, SCS-FS has generally observed high forcemain pressures and significant build-up of solids within the forcemain. As discussed in Section 4.1.1, sections of the forcemain with this solids build-up were cleaned during March and April.

4.2 SAMPLING AND ANALYSIS PLAN

In accordance with the second amendment to the consent decree dated January 16, 2026, the frequency of landfill gas liquids sampling has been reduced to quarterly.

4.2.1 Sample Collection

On April 8, 2026, SCS collected leachate samples from Dual Phase LFG extraction wells (EW-55, EW-59, and EW-94) for the 2nd quarter 2026 monitoring event. Field measurements for dissolved oxygen, oxidation-reduction potential, pH, specific conductance, temperature, and turbidity were taken and recorded at the time of sample collection. The associated field logs are included in **Appendix F**. In April 2026, SCS field staff could not collect samples from the wells listed in **Table 6**. Additional details about the condition of these wells and planned maintenance activities are included in Section 4.1.2.

Table 6. Summary Wells Unable to be Sampled for Leachate

Wells With Pumps	Wells Without Pumps
• Pump was not running/cycling at the time of monitoring for the following wells: EW-36A, EW-49, EW-50, EW-52, EW-60, EW-61, EW-62, EW-65, EW-66, EW-68, EW-78, EW-81, EW-85, EW-88, EW-89, EW-96, and EW-98. • Additional information: – EW-96 was too tall to read the cycle counter. – Liquid depth was not measured at the time of monitoring for EW-36A, EW-55, EW-81, and EW-94 as gauging equipment has historically become stuck in the well.	• There was no pump at the time of the monitoring for the following wells: EW-33B, EW-53, EW-54, EW-56, EW-63, EW-64, EW-67, EW-69, EW-70, EW-73, EW-76, EW-77, EW-79, EW-80, EW-82, EW-83, EW-84, EW-86, EW-87, EW-91, EW-92, EW-93, EW-95, EW-97, and EW-99. Without a pump, a leachate sample is not collected. • Additional information: – EW-33B, EW-63, EW-64, EW-77, EW-79, and EW-93 had the vacuum shut down and were unable to be approached during the time of monitoring. – The well was too tall to safely measure the liquid level for EW-92 and EW-97.
– The liquid depth was not measured at the time of monitoring for EW-52, EW-60, EW-62, EW-66, EW-68, EW-88, EW-89, EW-96, and EW-98 as the pump is slotted for maintenance or replacement.	– The liquid depth was not measured at the time of monitoring for EW-53, EW-83, EW-86 and EW-87 as gauging equipment has historically become stuck in the well.

The samples were delivered to Enthalpy Analytical (Enthalpy) in Richmond, Virginia for analysis. The samples were analyzed for the parameters utilizing the analytical methods described in the Dual

4.2.2 Quality Assurance and Quality Control

Field quality control (QC) involved the collection and analysis of trip blanks to verify that the sample collection and handling processes did not impair the quality of the samples. Trip blanks were prepared for VOC analysis via Solid Waste (SW)-846 Method 8260D. In conjunction with the preparation of the groundwater sample collection bottle set, laboratory personnel filled each trip blank sample bottle with distilled/deionized water and transported them with the empty bottle kits to SCS. Field personnel handled the trip blanks like a sample; they remained un-opened, were transported in the sample cooler, and were returned to the laboratory for analysis. A trip blank is used to indicate potential contamination due to the potential migration of VOCs from the air at the site or in the sample shipping containers, through the septum or around the lid of the sampling vials and into the sample.

Laboratory quality assurance/quality control (QA/QC) involves the routine collection and analysis of method reagent blanks, matrix spike (MS) and matrix spike duplicate (MSD) samples, and laboratory control samples (LCS). A summary of each of these is presented below:

- **Method Blank** – The method blank is deionized water subjected to the same reagents and manipulations to which site samples are subjected. Positive results in the method blanks may indicate either contamination of the chemical reagents or the glassware and implements used to store or prepare the sample and resulting solutions.
- **MS/MSD** – A MS is an aliquot of a field sample with a known concentration of target parameter added to it. An MSD is an intra-laboratory split sample spiked with a known concentration of target parameter. Spiking for each occurs prior to sample analysis. MS/MSD samples are collected for every batch of twenty or fewer samples. Matrix spike recoveries are used to indicate what effect the sample matrix may have on the reported concentration and/or the performance of the sample preparation and analysis.
- **LCS** – These samples consist of distilled/deionized water injected with the parameters of interest for single parameter methods and selected parameters for multi-parameter methods according to the appropriate analytical method. LCS samples are prepared and analyzed for each batch containing twenty or fewer samples. LCS recoveries are used to monitor analytical accuracy.

Surrogate recoveries are also measured as a part of laboratory QA/QC. Surrogates are organic compounds that are like the parameters of interest in chemical composition, extraction, and chromatography, but are not normally found in environmental samples. These compounds are inserted into blank, standards, samples, and spiked samples prior to analysis for organic parameters only. Percent recoveries are calculated for each surrogate. Spike recoveries at or below acceptance criteria indicate whether analytical results can be considered biased high or biased low.

No QC blank detects were identified for the April 2026 monitoring events. The laboratory analysis report for the April 2026 monitoring event trip blanks is included in **Appendix F**. The April 2026 monitoring event laboratory QA/QC reports, including the method blank results, are included in the certificate of analysis (COA) in **Appendix F**.

4.2.3 Data Validation

Data from the monitoring events were validated by the Laboratory and SCS in accordance with United States Environmental Protection Agency (EPA) guidance². Data flagged with a “J” qualifier indicates the quantitation of the parameter is less than the laboratory’s limit of quantitation but greater than the laboratory’s limit of detection (LOD); thus, the concentration is considered estimated. Samples with concentrations less than five times that of the trip blank, field blank, and/or method blank concentration, but greater than the laboratory’s LOD are flagged with a “B” qualifier. Samples with common laboratory concentrations less than 10 times that of the trip blank, field blank, and/or method/laboratory blank detection but greater than the laboratory’s LOD are flagged with a “B” qualifier. Data with a “B” qualifier are considered not valid as the detection may be anomalous due to cross-contamination during sampling, transportation of samples, or laboratory analysis.

No leachate results were flagged with a “B” qualifier for the April 2026 monitoring events as there were no QC blank detections. The April 2026 detections flagged with a “J” qualifier are shown on **Table 7**.

4.2.4 Laboratory Analytical Results

The analytical results for the April 2026 leachate samples collected from extraction wells EW-55, EW-59, and EW-94 are summarized in **Table 7**. The associated COA is included in **Appendix F**. Concentrations from April 2026 and previous monitoring events (November 2022 – February 2026) are presented in the Historical LFG-EW Leachate Monitoring Results Summary in **Appendix F**. Time-series plots of each VOC for EW-55, EW-59, and EW-94 and the wells that have historically been sampled are included in **Appendix F**.

Table 7. Monthly LFG-EW Leachate Monitoring Event Summary

Well ID	EW-55	EW-59	EW-94	LOD	LOQ
Parameter	April 2026 Concentration				
Ammonia as N (mg/L)	926	2300	1620	120	200
Biological Oxygen Demand (mg/L)	42403.8	27000	15800	0.2	2
Chemical Oxygen Demand (mg/L)	---	46900	31800	3150	5000
	87900	---	---	6300	10000
Nitrate (mg/L)	---	---	ND	0.128	0.5
	---	ND	---	0.29	0.4
	ND	---	---	1.28	5
Nitrite as N (mg/L)	---	ND	---	0.05	0.2
	---	---	ND	0.13	0.5

² United States Environmental Protection Agency. Guidance for Data Usability in Risk Assessment (Part A-14). April 1992.

United States Environmental Protection Agency. Office of Superfund Remediation and Technology Innovation. National Functional Guidelines for Inorganic Superfund Methods Data Review. November 2020.

United States Environmental Protection Agency. Office of Superfund Remediation and Technology Innovation. National Functional Guidelines for Organic Superfund Methods Data Review. November 2020.

Table 7. Monthly LFG-EW Leachate Monitoring Event Summary

Well ID	EW-55	EW-59	EW-94	LOD	LOQ
Parameter	April 2026 Concentration				
	ND	---	---	1.28	5
Phenolics, Total Recoverable (mg/L)	79.9	40.1	27	1.54	2.5
Total Kjeldahl Nitrogen (mg/L)	1470	---	1360	18.4	20
	---	2170	---	36.7	40
SEMI-VOLATILE ORGANIC COMPOUND (ug/L)					
Anthracene	---	ND	ND	200	400
	ND	---	---	400000	800000
TOTAL METALS (mg/L)					
Arsenic	---	0.29	0.138	0.008	0.08
	2.52	---	---	0.08	0.8
Barium	---	2.09	3.6	0.004	0.04
	1.75	---	---	0.04	0.4
Cadmium	---	0.0176	0.017	0.0008	0.016
	0.0138 J	---	---	0.008	0.16
Chromium	---	0.233	0.105	0.0016	0.04
	0.933	---	---	0.016	0.4
Copper	---	ND	ND	0.008	0.04
	0.372 J	---	---	0.08	0.4
Lead	---	0.101	0.0987	0.008	0.04
	12.6	---	---	0.08	0.4
Mercury	---	---	0.00308	0.0008	0.002
	---	0.00338	---	0.00092	0.0023
	0.046	---	---	0.00184	0.0046
Nickel	---	0.0121 J	ND	0.004	0.04
	1.586	---	---	0.04	0.4
TOTAL METALS (mg/L)					
Selenium	---	ND	ND	0.028	0.2
	ND	---	---	0.28	2
Silver	---	0.0062 J	0.0061 J	0.0016	0.04
	ND	---	---	0.016	0.4
Zinc	---	0.129	0.224	0.012	0.04
	65.3	---	---	0.12	0.4
VOLATILE FATTY ACIDS (mg/L)					
Acetic Acid	32.3	---	---	0.7	5
	---	5580	4520	71.4	500

Table 7. Monthly LFG-EW Leachate Monitoring Event Summary

Well ID	EW-55	EW-59	EW-94	LOD	LOQ
Parameter	April 2026 Concentration				
Butyric Acid	255	---	---	7	50
	---	1400	1270	70.3	500
Lactic Acid	ND	---	---	0.6	5
	---	776	346 J	55.7	500
Propionic Acid	61	---	---	0.6	5
	---	1960	1430	57.3	500
Pyruvic Acid	29.6	---	---	0.9	5
	---	142 J	125 J	88.9	500
VOLATILE ORGANIC COMPOUNDS (ug/L)					
2-Butanone	---	17100	8490	97	100
	26800	---	---	194	200
Acetone	---	---	32700	277	400
	61800	---	---	554	800
	---	46500	---	1110	1600
Benzene	---	828	263	13.9	40
	932	---	---	27.8	80
Ethylbenzene	---	65	224	15.1	40
	58 J	---	---	30.2	80
Tetrahydrofuran	---	3840	4550	75.4	100
	4940	---	---	151	200
Toluene	---	49	47	16	40
	62 J	---	---	32	80

VOLATILE ORGANIC COMPOUND (ug/L)					
Xylenes	---	101 J	471	43.8	300
	104 J	---	---	87.6	600

--- = not applicable

J = Constituent was detected at a concentration above the laboratory's LOD but below the laboratory's LOQ.

Concentration is estimated and not validated.

LOD = laboratory's Limit of Detection

LOQ = laboratory's Limit of Quantitation

mg/L = milligrams per liter

ND = Not Detected

ug/L = micrograms per liter

5.0 SETTLEMENT MONITORING AND MANAGEMENT

The City is taking steps to track and manage settlement occurring in the landfill. A summary of actions taken to quantify and manage settlement is included in the sections below.

5.1 SETTLEMENT MONITORING AND MANAGEMENT PLAN

Information about the Settlement Monitoring and Management Plan for the SWP No. 588 Landfill and a copy of the plan can be found in the November 2022 Compliance Report for the SWP No. 588 Landfill.

5.2 MONTHLY SURVEYS

5.2.1 Topographic Data Collection

SCS collected topographic data of the Solid Waste Permit No. 588 Landfill using photogrammetric methods via an unmanned aerial vehicle (UAV or drone) on April 8, 2026. Aerial imagery collected on April 8, 2026, is depicted in **Figure 11**. The topographic data collected is shown on Sheet 4 in **Appendix E**.

Figure 11. Aerial Photo of the SWP No. 588 Landfill

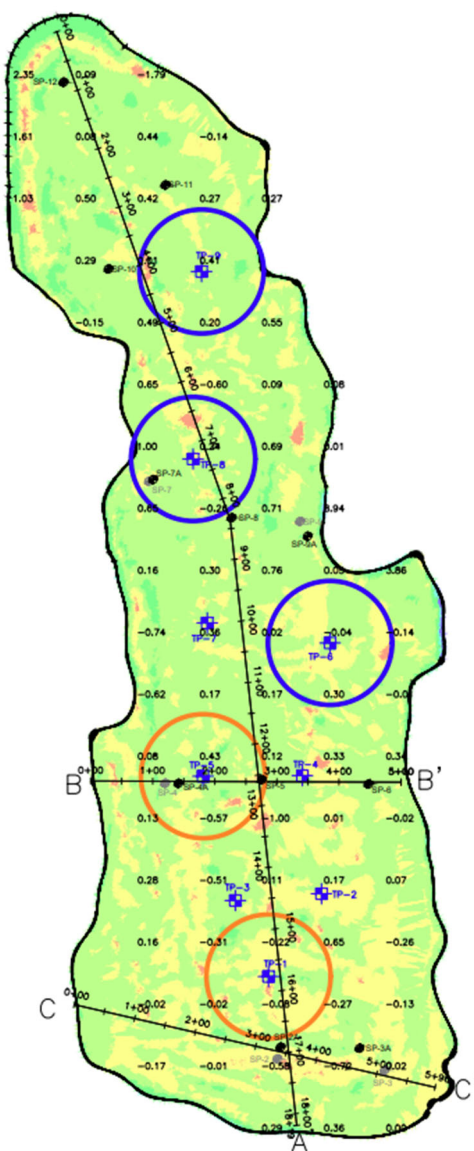


The topography within the landfill footprint was compared to topographic data collected by SCS using photogrammetric methods on March 24, 2026. A drawing depicting the March 24, 2026, topography is included as Sheet 3 in **Appendix E**.

Based on a comparison of the topographic data collected on those two dates, the data shows a fill of 8,200 cubic yards across the site. Fill may was placed and spread on the site to address differential settlement, surface emissions, and to provide access to LFG collection vertical wells. During that same time period, calculations indicate a “cut” volume of approximately 2,200 cubic yards. Cut volumes are typically attributed to settlement. This resulted in a net increase in volume within the waste footprint of 6,000 cubic yards.

A visual depiction of settlement and filling at the landfill during this time is depicted in **Figure 12**. Areas in yellow and orange indicate where elevations decreased and areas in green indicate areas where elevations have increased. Darker colors indicate greater changes in elevation. This drawing is also included as Sheet 5 in **Appendix E**.

Figure 12. 1-Month Elevation Change Map



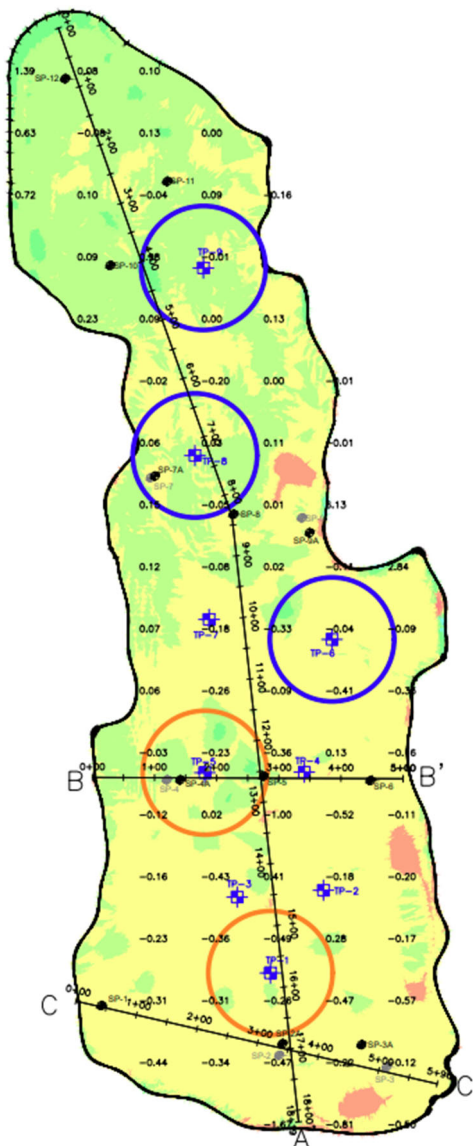
The locations of in-waste temperature monitoring probes are also shown on **Figure 12**, **Figure 13**, and **Figure 14**. The circles around the probes in each of these figures are indicative of the average borehole temperature. The circles shown are offset from the probes for clarity only and do not necessarily indicate temperatures measured at locations away from the probe. Probes with a blue circle around them typically have an average temperature less than 200 °F across the full depth of the probe. Probes with an orange circle around them typically have an average temperature greater than 200 °F and less than 250 °F across the full depth of the probe. Probes with no circle around them had no temperature readings for this month due to sensor malfunctions. There were no probes measuring average temperatures greater than 250 °F during the month of April 2026.

SCS calculated the waste footprint for purposes of analysis to be 752,610 square feet. Based on that area and the net volume change, the average elevation increase between the flyover dates was 0.2 ft.

SCS also compared the topographic data collected in March to the topographic data collected on January 13, 2026. Based on a comparison of the topographic data collected on those two dates, settlement occurred that reduced the volume of waste in the landfill by approximately 6,000 cubic yards. During that same time period calculations indicate approximately 2,500 cubic yards of fill were placed on the landfill, for a net decrease in waste volume of 3,500 cubic yards.

A visual depiction of settlement and filling at the landfill during this time is depicted in **Figure 13**. Areas in orange/yellow indicate where elevations decreased and areas in green indicate areas where elevations have increased. Darker colors indicate greater changes in elevation. This drawing is also included as Sheet 6 in **Appendix E**.

Figure 13. 3-Month Elevation Change Map

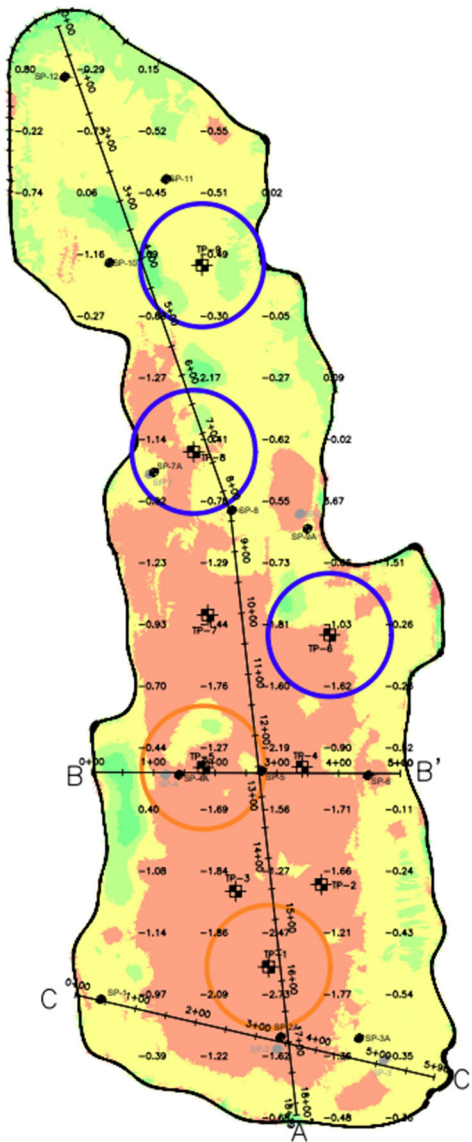


Based on the area of the landfill and the net volume change, the average elevation decrease was approximately 0.1 feet.

SCS also compared the topographic data collected in April 2026 to the drone topographic data collected on April 16, 2025. Based on a comparison of the topographic data collected on those two dates, settlement occurred that reduced the volume of waste in the landfill by approximately 25,700 cubic yards. During that same time period approximately 1,500 cubic yards of construction-related fill were placed on the landfill. This resulted in a net volume decrease of approximately 24,200 cubic yards.

A visual depiction of settlement and filling at the landfill during this time is depicted in **Figure 14**. Areas in red indicate where elevations decreased and areas in green indicate areas where elevations have increased. Darker colors indicate greater changes in elevation. This drawing is also included as Sheet 7 in **Appendix E**.

Figure 14. 1-Year Elevation Change Map



The largest settlement occurred primarily at the southern end of the landfill where the waste settled by 3 feet or more in some areas. Significant settlements are typical of elevated temperature landfill conditions. The landfill perimeter exhibited an increase in elevation, likely due to soil placement associated with construction and/or ongoing maintenance of the Sidewall Odor Mitigation System. There were variations in elevation associated with soil stockpiling operations.

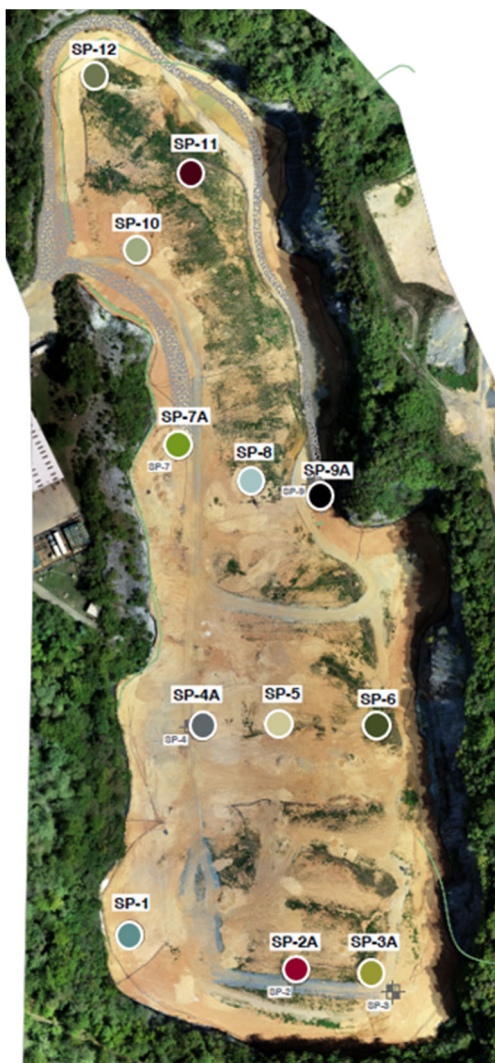
Based on the landfill area and the net volume change, the average elevation decrease was approximately 0.8 feet.

SCS will collect topographic data covering the landfill surface again in May 2026 using photogrammetric methods via UAV. This data will be compared to the data collected in May 2025, February 2026, and April 2026.

5.2.2 Settlement Plate Surveys

On November 7, 2022, SCS field services installed 12 settlement plates on the Solid Waste Permit No. 588 landfill. Five new settlement plates (SP-2A, SP-3A, SP-4A, SP-7A, and SP-9A) installed during June 2024 are intended to replace non-operational settlement plates. The settlement plate locations are depicted in **Figure 15** and on Sheet 1 in **Appendix E**. The construction and installation of the settlement plates generally conform to the description in the Settlement Monitoring and Management Plan.

Figure 15. Settlement Plate Locations



The locations of the settlement plates were initially surveyed on November 14, 2022, and have been surveyed monthly thereafter. The survey coordinates and elevation changes of the settlement plates are shown in **Table 6**.

Table 8. Elevation and Strain Data at Settlement Plate Locations

Settlement Plate	Northing	Easting	Elevation on April 6, 2026 (ft)	Elevation Change Since March 11, 2026 (ft)	Strain ³ Since March 11, 2026	Elevation Change Since Installation (ft)
SP-1	3397887.6	10412081.1	1828.1	-0.1	-0.1%	-6.3
SP-2A	3397823.6	10412370.7	1790.9	-0.2	-0.1%	-4.8
SP-3A	3397820.2	10412498.1	1778.5	-0.1	-0.1%	-1.7
SP-4A	3398247.1	10412208.1	1801.0	-0.2	-0.1%	-4.1
SP-5	3398255.8	10412339.8	1786.3	-0.2	-0.1%	-14.5
SP-6	3398248.8	10412510.0	1772.1	-0.1	-0.1%	-5.6
SP-7A	3398731.3	10412158.8	1821.4	0.0	0.0%	-2.0
SP-8	3398678.0	10412291.0	1798.6	-0.2	-0.1%	-8.8
SP-9A	3398644.1	10412416.0	1787.8	0.0	0.0%	-1.0
SP-10	3399079.7	10412095.5	1835.4	0.0	0.0%	-4.1
SP-11	3399216.4	10412183.8	1814.0	0.0	0.0%	-2.4
SP-12	3399381.7	10412019.6	1809.3	0.1	0.1%	-1.3

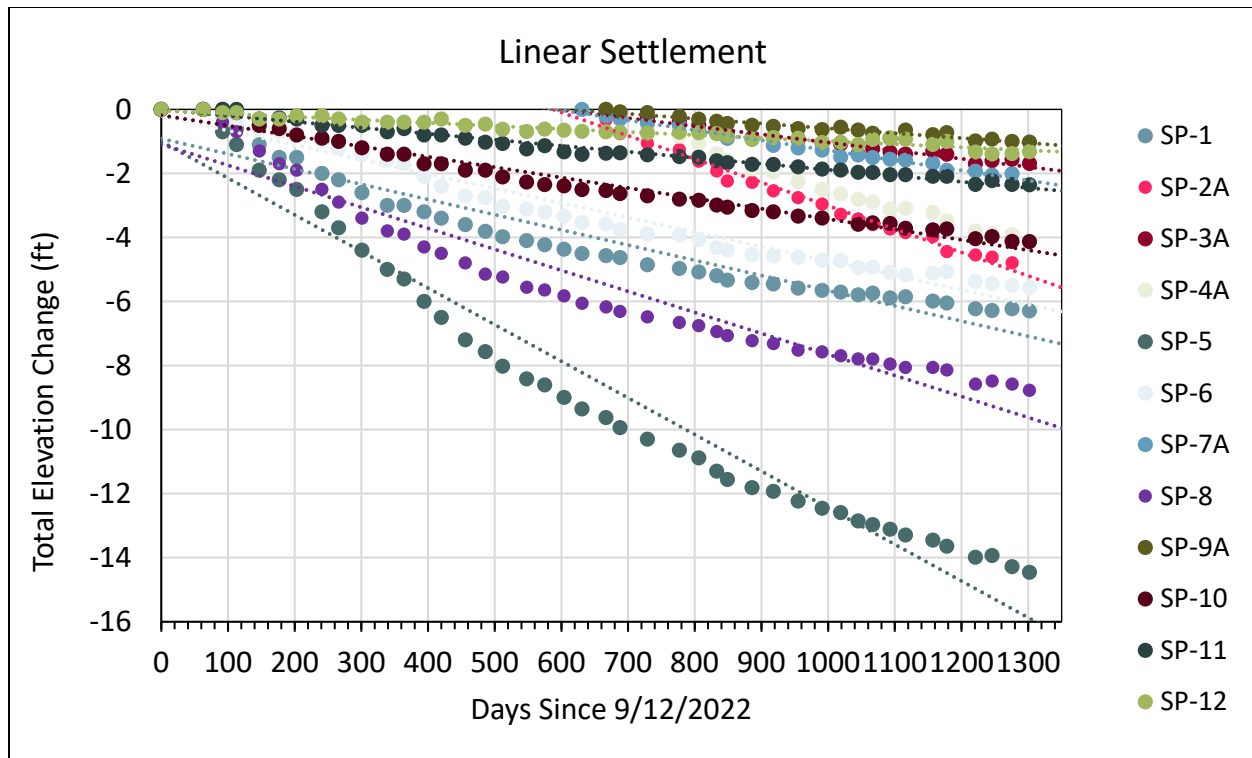
Prior to April 2024, the City's in-house surveyor read the settlement plate elevations. Starting April 2024 through June 2025, the settlement plate elevations were measured by FEI Civil Engineers and Land Surveyors. As of July 2025, the settlement plate elevations are measured by Miller Land Surveying LLC. Some variations in elevation measurements may be the result of changes in personnel and equipment.

Settlement Plates 1, 2A, 3A, 4A, 5, 6, and 8 demonstrated the largest strain due to settlement than at other locations. These Settlement Plates are at the middle-southern end of the landfill. This area is near the location of the gas wells and temperature probes exhibiting higher temperatures.

The elevation change at the other settlement plates does not indicate measurable settlement. **Figure 16** shows the changes in elevation of select settlement plates over time. The data in **Figure 16** are reported in days since the landfill was required to stop accepting waste.

³ Strain is defined as the change in elevation divided by the estimated waste depth.

Figure 16. Elevation Change of Select Settlement Plates Over Time



The settlement plates will be surveyed again during May 2026. The elevations surveyed will be compared to the elevations surveyed the previous months.

6.0 INTERMEDIATE COVER AND GEOMEMBRANE COVER SYSTEM

The City has taken steps to provide intermediate and temporary cover of the wastes in the landfill. The sections below describe the steps taken by the City and future plans related to cover.

6.1 INTERMEDIATE COVER INSTALLATION

A summary of the intermediate cover installation can be found in the October 2022 Monthly Compliance Report for the SWP No. 588 Landfill.

6.2 GEOMEMBRANE COVER SYSTEM DESIGN

A second amendment to the Consent Decree was issued on January 16, 2026 which requires a geomembrane deployment once the criteria outlined in the consent decree are achieved. The amended Consent Decree also requires regular settlement assessments that will analyze settlement to evaluate if the criteria have been met. The first settlement assessment was submitted to VDEQ on April 11, 2024. The most recent assessment was submitted on January 8, 2026. The next assessment will be submitted on or before July 14, 2026 in accordance with the second amendment to the consent decree dated January 16, 2026.

6.3 GEOMEMBRANE COVER SYSTEM PROCUREMENT

Information about the procurement of materials for the geomembrane cover system can be found in the January 2023 Monthly Compliance Report for the SWP No. 588 Landfill.

6.4 GEOMEMBRANE COVER SYSTEM INSTALLATION

As outlined in the second amendment to the Consent Decree dated January 16, 2026, the deadline for geomembrane cover system installation has been extended until such time as the criteria outline in the consent decree have been met. The City is conducting the assessments described in Section 6.2 to determine the appropriate time for installation.

7.0 STORMWATER MANAGEMENT

Information about the most recent stormwater management plans, basin location, plan implementation, long-term control, and stormwater monitoring for the SWP No. 588 Landfill can be found in the December 2023 Monthly Compliance Report for the SWP No. 588 Landfill.

8.0 MISCELLANEOUS

8.1 CEASE WASTE ACCEPTANCE

The City ceased acceptance of offsite waste at the Solid Waste Permit No. 588 landfill prior to September 12, 2022.

8.2 LONG-TERM PLAN

Refer to the December 2022 and March 2023 Monthly Compliance Reports for the SWP No. 588 Landfill for additional information about the development and implementation of the Monitoring, Maintenance, and Repair Plan.

8.3 MONTHLY COMPLIANCE REPORTS

As described in the introduction, this report is intended to provide comprehensive updates regarding progress towards completion of each item described in Appendix A of the Consent Decree between the City and VDEQ.

8.4 COMMUNITY OUTREACH PROGRAM

The City's consultant leading community outreach, McGuireWoods Consulting, prepared a summary of the actions taken as part of their community outreach efforts. For the month of April 2026, those actions include:

- **Ongoing basis:** Five (5) posts on each the BristolVALandfill.org site and the existing City of Bristol Landfill Notifications and Information page covering important updates including:
 - Progress updates related to remediation efforts and normal maintenance activities at the Quarry Landfill.

- Updates at the Quarry Landfill this month included groundwork for new flare and emergency generator installation; began installation of new flare; routine maintenance on the landfill gas system, and well heads; jetted and vacuumed the leachate extractions system to remove sediment and increase efficiency; three leachate pumps were installed in dual-phase extraction wells; and cleaning and refurbishing reserve leachate pumps.
 - On April 6, posted an article from the Bristol Herald-Courier written by David McGee related to the updated consent decree being finalized and what it entails for the landfill.
- **Weekly updates on landing page on Bristolvalandfill.org titled “Air Sampling and Air Monitoring” that includes a summary of the air sampling and monitoring being conducted by Bristol, VA around the quarry landfill.**
 - Website now includes weekly air monitoring reports starting from May 15, 2023, and running through February 8, 2026.
- **E-mail communication sent to the list of members of the public signed up through the Bristol, VA website, the BristolVALandfill.org website, or at subsequent Open Houses to receive information via e-mail**
 - E-mails sent included weekly remediation progress update and links to website updates and latest news articles.



Appendix A

Surface Emissions Monitoring Summary

Quarterly SEM

SCS performed the First Quarter 2026 surface emissions monitoring event on February 24, 2026. The surface emissions monitoring route included the entire waste footprint of the Permit No. 588 landfill. Sampling was conducted with a Thermo Scientific TVA-2020 Flame Ionization Detector (FID) at 30-meter intervals and where visual observations indicated the potential for elevated concentrations of LFG, such as distressed vegetation and surface cover cracks. In addition, in accordance with 40 CFR 63.1958(d)(ii)(2) and 40 CFR 60.34f(d), monitoring was conducted at all surface cover penetrations within the waste footprint.

No exceedances were detected during this quarterly monitoring event on the serpentine route or at the surface cover penetrations. This monitoring event also represented the weekly monitoring event for the week. A quarterly SEM report will be submitted to the VDEQ as part of the Semi-Annual Report. In addition, monitoring results were presented to the VDEQ in a letter dated March 4, 2026.

Weekly SEM

In addition to the standard regulatory quarterly surface emissions monitoring, the monitoring in April generally conformed to the requirements of 40 CFR 63.1960(c) and (d), and 40 CFR 60.36f(c) and (d), and 40 CFR 60, Appendix A, Method 21. The landfill gas (LFG) collection system is required to operate such that the methane concentration is less than 500 ppm above background at the landfill surface.

The SEM route included the waste footprint of the Permit No. 588 landfill. Sampling was conducted with a Thermo Scientific TVA-2020 Flame Ionization Detector (FID) at 30-meter intervals and where visual observations indicated the potential for elevated concentrations of LFG, such as distressed vegetation and surface cover cracks. In addition, in accordance with 40 CFR 63.1958(d)(ii)(2) and 40 CFR 60.34f(d), monitoring was conducted at applicable surface cover penetrations within the waste footprint.

The Facility submitted letters to VDEQ describing the results of the April monitoring events on April 8, 2026; April 15, 2026; April 22, 2026; April 29, 2026; and, May 6, 2026. Copies of those letters are included in this Appendix.

The Facility continues to take proactive steps to limit fugitive surface emissions including dewatering activities, additional cover soil placement, and LFG system maintenance and tuning to increase gas extraction.

April 8, 2026
File No. 02218208.04

Ms. Susan "Tracey" Blalock
Air Compliance Specialist
Virginia Department of Environmental Quality
SW Regional Office
355-A Deadmore Street
Abingdon, VA 24210

Subject: Weekly Surface Emissions Monitoring Event – March 31, 2026
Bristol Integrated Solid Waste Facility – Bristol, Virginia

Dear Ms. Blalock:

On behalf of the City of Bristol (City), SCS Engineers (SCS) is pleased to submit the results of the Weekly Surface Emissions Monitoring event performed at the Bristol Integrated Solid Waste Management Facility located in Bristol, Virginia on March 31, 2026. This Weekly Surface Emissions Monitoring (SEM) Event was performed in accordance with Appendix A.1.i of the Consent Decree between the Commonwealth of Virginia and the City of Bristol.

The monitoring generally conforms to the requirements of 40 CFR 63.1960(c) and (d), and 40 CFR 60.36f(c) and (d), and 40 CFR 60, Appendix A, Method 21. The landfill gas (LFG) collection system is required to operate such that the methane concentration is less than 500 ppm above background at the landfill surface.

The monitoring route includes the entire waste footprint of Permit No. 588 Landfill. Sampling was conducted with a Thermo Scientific TVA-2020 Flame Ionization Detector (FID) at 30-meter intervals and where visual observations indicated the potential for elevated concentrations of LFG, such as distressed vegetation and surface cover cracks. In addition, in accordance with 40 CFR 63.1958(d)(ii)(2) and 40 CFR 60.34f(d), monitoring was conducted at all surface cover penetrations within the waste footprint, including at the temperature probes. The approximate monitoring route and sampling locations are presented in the attached Drawing.

At the time of monitoring, all areas of the Permit No. 588 Landfill footprint are subject to regulatory monitoring based on the regulatory schedule stipulated in 40 CFR 63.1960(b) and 40 CFR 60.36f(b). Permit No. 588 Landfill has a surface area of approximately 17.3 acres. Therefore, the minimum number of sampling points to cover the appropriate portion of the landfill footprint, utilizing a 30-meter grid interval, is approximately 82 (4.75 points per acre). A summary of the results of the surface emissions monitoring is provided in Table 1.



Table 1. Summary of Surface Emissions Monitoring

Description	Quantity
Number of Points Sampled	166
Number of Points in Serpentine Route	100
Number of Points at Surface Cover Penetrations	66
Number of Exceedances	0
Number of Serpentine Exceedances	0
Number of Pipe Penetration Exceedances	0

REMONITORING OF ONGOING EXCEEDANCES

In accordance with 40 CFR 63.1960(c)(4)(ii) and 40 CFR 60.36f(c)(4)(ii), corrective actions and a remonitoring event are to be performed within 10 days of the initial exceedance. In accordance with 40 CFR 63.1960(c)(4)(iii) and 40 CFR 60.36f(c)(4)(iii) additional corrective actions and a second 10-day retest are to be performed if the initial 10-day retest indicates methane values greater than the regulatory threshold. The Facility performs corrective actions, as necessary, including wellhead vacuum adjustments, the installation of well-bore seals, and addition of soil cover prior to weekly monitoring events at locations that previously exhibited elevated methane concentrations.

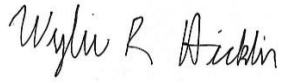
In accordance with 40 CFR 63.1960(c)(4)(v) and 40 CFR 60.36f(c)(4)(v) a new well or collection device must be installed or an alternate remedy must be submitted within 120 days at locations that continue to exhibit methane concentrations above the regulatory threshold for two consecutive re-tests.

There are currently no ongoing exceedances.

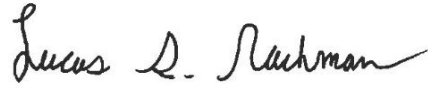
Ms. Susan "Tracey" Blalock
April 8, 2026
Page 3

If you have questions or require additional information, please contact either of the undersigned.

Sincerely,



Wylie R Hicklin
Staff Professional
SCS Engineers



Lucas S. Nachman
Senior Project Professional
SCS Engineers

LSN/WJF

cc: Jonathan Hayes, City of Bristol
Laura Helander, City of Bristol

Encl. Surface Emissions Monitoring Results
Bristol SEM Route Drawing

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - MARCH 31, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
1	2.5 PPM	OK			Start Serpentine Route
2	1.7 PPM	OK			
3	1.7 PPM	OK			
4	1.8 PPM	OK			
5	1.8 PPM	OK			
6	1.7 PPM	OK			
7	1.7 PPM	OK			
8	1.7 PPM	OK			
9	1.7 PPM	OK			
10	2.5 PPM	OK			
11	2.3 PPM	OK			
12	2.0 PPM	OK			
13	2.0 PPM	OK			
14	2.0 PPM	OK			
15	2.7 PPM	OK			
16	2.1 PPM	OK			
17	1.9 PPM	OK			
18	1.8 PPM	OK			
19	3.6 PPM	OK			
20	4.5 PPM	OK			
21	1.8 PPM	OK			
22	1.4 PPM	OK			
23	1.6 PPM	OK			
24	1.6 PPM	OK			
25	1.8 PPM	OK			
26	1.4 PPM	OK			
27	1.5 PPM	OK			
28	1.6 PPM	OK			
29	2.1 PPM	OK			
30	3.6 PPM	OK			
31	3.8 PPM	OK			
32	6.1 PPM	OK			
33	357.0 PPM	OK			
34	99.7 PPM	OK			
35	49.9 PPM	OK			
36	1.7 PPM	OK			
37	1.7 PPM	OK			
38	1.8 PPM	OK			
39	1.6 PPM	OK			
40	1.7 PPM	OK			
41	1.6 PPM	OK			
42	4.0 PPM	OK			
43	5.6 PPM	OK			
44	1.6 PPM	OK			
45	1.4 PPM	OK			
46	1.4 PPM	OK			
47	1.3 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - MARCH 31, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
48	1.9 PPM	OK			
49	2.7 PPM	OK			
50	1.6 PPM	OK			
51	1.2 PPM	OK			
52	1.1 PPM	OK			
53	1.3 PPM	OK			
54	1.3 PPM	OK			
55	1.3 PPM	OK			
56	1.2 PPM	OK			
57	1.2 PPM	OK			
58	6.8 PPM	OK			
59	1.3 PPM	OK			
60	2.1 PPM	OK			
61	2.0 PPM	OK			
62	1.8 PPM	OK			
63	2.2 PPM	OK			
64	1.3 PPM	OK			
65	1.2 PPM	OK			
66	2.1 PPM	OK			
67	1.9 PPM	OK			
68	1.9 PPM	OK			
69	4.6 PPM	OK			
70	1.7 PPM	OK			
71	2.9 PPM	OK			
72	2.2 PPM	OK			
73	1.5 PPM	OK			
74	1.5 PPM	OK			
75	1.4 PPM	OK			
76	1.4 PPM	OK			
77	1.2 PPM	OK			
78	3.7 PPM	OK			
79	7.3 PPM	OK			
80	2.3 PPM	OK			
81	1.6 PPM	OK			
82	1.4 PPM	OK			
83	2.1 PPM	OK			
84	1.4 PPM	OK			
85	1.1 PPM	OK			
86	1.0 PPM	OK			
87	2.6 PPM	OK			
88	1.4 PPM	OK			
89	1.3 PPM	OK			
90	1.6 PPM	OK			
91	1.5 PPM	OK			
92	1.6 PPM	OK			
93	4.0 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - MARCH 31, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
94	78.3 PPM	OK			
95	1.2 PPM	OK			
96	0.9 PPM	OK			
97	1.0 PPM	OK			
98	3.3 PPM	OK			
99	1.5 PPM	OK			
100	1.0 PPM	OK			End Serpentine Route
101	129.0 PPM	OK			EW-52
102	5.4 PPM	OK			TP-4
103	2.1 PPM	OK			EW-60
104	1.2 PPM	OK			EW-48
105	6.0 PPM	OK			TP-6
106	0.8 PPM	OK			EW-61
107	0.9 PPM	OK			EW-50
108	64.1 PPM	OK			EW-67
109	1.3 PPM	OK			EW-47
110	1.0 PPM	OK			EW-54
111	0.9 PPM	OK			EW-55
112	0.9 PPM	OK			EW-92
113	5.1 PPM	OK			EW-91
114	1.2 PPM	OK			EW-96
115	0.8 PPM	OK			EW-66
116	0.8 PPM	OK			EW-58
117	0.7 PPM	OK			EW-57
118	0.8 PPM	OK			TP-1
119	0.8 PPM	OK			EW-59
120	2.3 PPM	OK			EW-100
121	3.9 PPM	OK			EW-56
122	0.8 PPM	OK			EW-97
123	0.7 PPM	OK			EW-53
124	0.8 PPM	OK			EW-51
125	0.6 PPM	OK			TP-5
126	1.0 PPM	OK			EW-68
127	0.7 PPM	OK			EW-87
128	0.8 PPM	OK			EW-38
129	0.9 PPM	OK			TP-7
130	0.6 PPM	OK			EW-49
131	0.5 PPM	OK			EW-83
132	1.2 PPM	OK			EW-65
133	0.8 PPM	OK			EW-81
134	0.7 PPM	OK			TP-8
135	0.7 PPM	OK			EW-64
136	0.7 PPM	OK			EW-63
137	12.0 PPM	OK			EW-42
138	60.5 PPM	OK			EW-76
139	5.1 PPM	OK			TP-9

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - MARCH 31, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
140	0.5 PPM	OK			EW-62
141	0.4 PPM	OK			EW-74
142	0.6 PPM	OK			EW-32R
143	0.5 PPM	OK			EW-69
144	0.4 PPM	OK			EW-71
145	0.8 PPM	OK			EW-72
146	0.3 PPM	OK			EW-70
147	44.7 PPM	OK			EW-73
148	0.7 PPM	OK			EW-78
149	5.1 PPM	OK			EW-82
150	0.7 PPM	OK			EW-36A
151	0.4 PPM	OK			EW-85
152	3.8 PPM	OK			EW-88
153	1.6 PPM	OK			EW-89
154	8.5 PPM	OK			EW-93
155	0.8 PPM	OK			EW-94
156	0.7 PPM	OK			EW-98
157	2.2 PPM	OK			EW-99
158	10.8 PPM	OK			EW-95
159	0.8 PPM	OK			EW-90
160	44.1 PPM	OK			EW-86
161	0.6 PPM	OK			EW-84
162	1.5 PPM	OK			EW-80
163	0.8 PPM	OK			EW-79
164	0.5 PPM	OK			EW-77
165	0.6 PPM	OK			EW-33B
166	0.8 PPM	OK			EW-75

Number of locations sampled: 166

Number of exceedance locations: 0

NOTES:

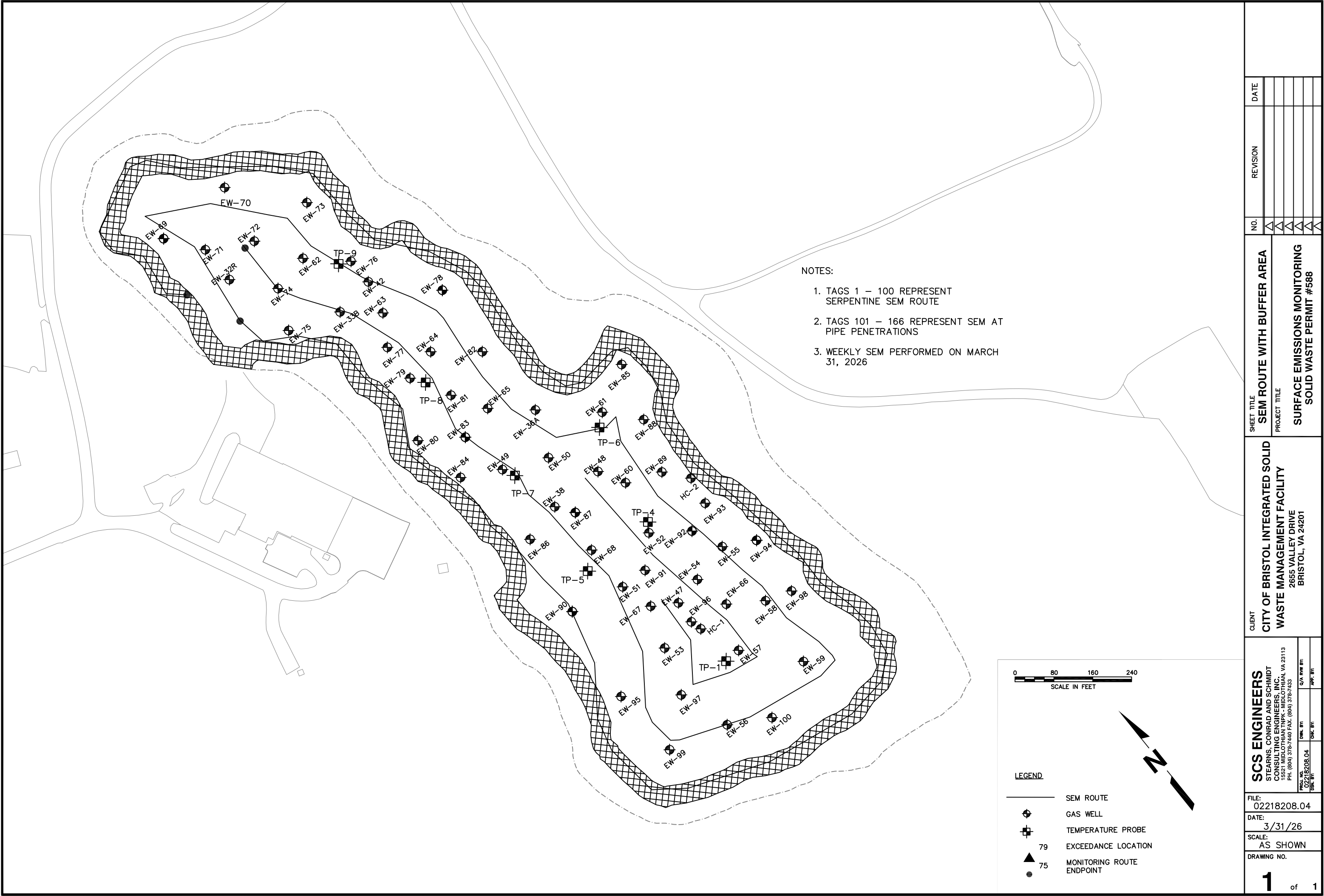
Points 1 through 100 represent serpentine SEM route.
Points 101 through 166 represent SEM at Pipe Penetrations
Weather Conditions: Cloudy, 64°F Wind: 9 mph SSW

Sampling Calibration: Methane - 500 ppm, Zero Air - 0.0 ppm

3/31/2026	9:50	ZERO	0.2	PPM
3/31/2026	9:52	SPAN	501.0	PPM

Background Reading:

3/31/2026	9:54	Upwind	2.1	PPM
3/31/2026	9:57	Downwind	1.9	PPM



SHEET TITLE		NO.		REVISION		DATE	
SEM ROUTE WITH BUFFER AREA		1	1				
PROJECT TITLE		1	1				
SURFACE EMISSIONS MONITORING		1	1				
SOLID WASTE PERMIT #588		1	1				

CLIENT	CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY	
	2655 VALLEY DRIVE BRISTOL, VA 24201	

SCS ENGINEERS	STEARN, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC.	
	15521 MIDLOTHIAN TRAIL, MIDLOTHIAN, VA 23113 PH: (804) 378-7440 FAX: (804) 378-7433	
PROJ. NO.	DRAW. BY:	C/A R/W BY:
02218208.04	CHK. BY:	APP. BY:
DATE:		
3/31/26		
SCALE:		
AS SHOWN		
DRAWING NO.		
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FILE:	02218208.04
DATE:	3/31/26
SCALE:	AS SHOWN
DRAWING NO.	1

April 15, 2026
File No. 02218208.04

Ms. Susan "Tracey" Blalock
Air Compliance Specialist
Virginia Department of Environmental Quality
SW Regional Office
355-A Deadmore Street
Abingdon, VA 24210

Subject: Weekly Surface Emissions Monitoring Event – April 8, 2026
Bristol Integrated Solid Waste Facility – Bristol, Virginia

Dear Ms. Blalock:

On behalf of the City of Bristol (City), SCS Engineers (SCS) is pleased to submit the results of the Weekly Surface Emissions Monitoring event performed at the Bristol Integrated Solid Waste Management Facility located in Bristol, Virginia on April 8, 2026. This Weekly Surface Emissions Monitoring (SEM) Event was performed in accordance with Appendix A.1.i of the Consent Decree between the Commonwealth of Virginia and the City of Bristol.

The monitoring generally conforms to the requirements of 40 CFR 63.1960(c) and (d), and 40 CFR 60.36f(c) and (d), and 40 CFR 60, Appendix A, Method 21. The landfill gas (LFG) collection system is required to operate such that the methane concentration is less than 500 ppm above background at the landfill surface.

The monitoring route includes the entire waste footprint of Permit No. 588 Landfill. Sampling was conducted with a Thermo Scientific TVA-2020 Flame Ionization Detector (FID) at 30-meter intervals and where visual observations indicated the potential for elevated concentrations of LFG, such as distressed vegetation and surface cover cracks. In addition, in accordance with 40 CFR 63.1958(d)(ii)(2) and 40 CFR 60.34f(d), monitoring was conducted at all surface cover penetrations within the waste footprint, including at the temperature probes. The approximate monitoring route and sampling locations are presented in the attached Drawing.

At the time of monitoring, all areas of the Permit No. 588 Landfill footprint are subject to regulatory monitoring based on the regulatory schedule stipulated in 40 CFR 63.1960(b) and 40 CFR 60.36f(b). Permit No. 588 Landfill has a surface area of approximately 17.3 acres. Therefore, the minimum number of sampling points to cover the appropriate portion of the landfill footprint, utilizing a 30-meter grid interval, is approximately 82 (4.75 points per acre). A summary of the results of the surface emissions monitoring is provided in Table 1.



Table 1. Summary of Surface Emissions Monitoring

Description	Quantity
Number of Points Sampled	166
Number of Points in Serpentine Route	100
Number of Points at Surface Cover Penetrations	66
Number of Exceedances	0
Number of Serpentine Exceedances	0
Number of Pipe Penetration Exceedances	0

REMONITORING OF ONGOING EXCEEDANCES

In accordance with 40 CFR 63.1960(c)(4)(ii) and 40 CFR 60.36f(c)(4)(ii), corrective actions and a remonitoring event are to be performed within 10 days of the initial exceedance. In accordance with 40 CFR 63.1960(c)(4)(iii) and 40 CFR 60.36f(c)(4)(iii) additional corrective actions and a second 10-day retest are to be performed if the initial 10-day retest indicates methane values greater than the regulatory threshold. The Facility performs corrective actions, as necessary, including wellhead vacuum adjustments, the installation of well-bore seals, and addition of soil cover prior to weekly monitoring events at locations that previously exhibited elevated methane concentrations.

In accordance with 40 CFR 63.1960(c)(4)(v) and 40 CFR 60.36f(c)(4)(v) a new well or collection device must be installed or an alternate remedy must be submitted within 120 days at locations that continue to exhibit methane concentrations above the regulatory threshold for two consecutive re-tests.

There are currently no ongoing exceedances.

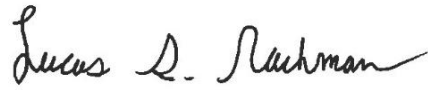
Ms. Susan "Tracey" Blalock
April 15, 2026
Page 3

If you have questions or require additional information, please contact either of the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "William J. Fabrie". The signature is written in a cursive style with a large, stylized "F".

William J. Fabrie
Project Professional
SCS Engineers

A handwritten signature in black ink, appearing to read "Lucas S. Nachman". The signature is written in a cursive style with a large, stylized "L".

Lucas S. Nachman
Senior Project Professional
SCS Engineers

LSN/WJF

cc: Jonathan Hayes, City of Bristol
Laura Helander, City of Bristol

Encl. Surface Emissions Monitoring Results
Bristol SEM Route Drawing

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS WEEKLY MONITORING EVENT - APRIL 8, 2026 BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA					
ID #	Methane Concentration	Compliance	GPS Coordinates Lat. Long.		Comments
1	1.7 PPM	OK			Start Serpentine Route
2	1.9 PPM	OK			
3	1.5 PPM	OK			
4	1.4 PPM	OK			
5	1.5 PPM	OK			
6	1.5 PPM	OK			
7	1.4 PPM	OK			
8	1.4 PPM	OK			
9	1.9 PPM	OK			
10	1.7 PPM	OK			
11	1.7 PPM	OK			
12	2.4 PPM	OK			
13	2.5 PPM	OK			
14	3.8 PPM	OK			
15	4.6 PPM	OK			
16	1.5 PPM	OK			
17	1.5 PPM	OK			
18	1.5 PPM	OK			
19	1.3 PPM	OK			
20	1.5 PPM	OK			
21	1.9 PPM	OK			
22	1.5 PPM	OK			
23	4.1 PPM	OK			
24	1.7 PPM	OK			
25	1.3 PPM	OK			
26	1.3 PPM	OK			
27	1.2 PPM	OK			
28	2.2 PPM	OK			
29	2.9 PPM	OK			
30	2.2 PPM	OK			
31	3.5 PPM	OK			
32	1.5 PPM	OK			
33	1.4 PPM	OK			
34	27.6 PPM	OK			
35	28.4 PPM	OK			
36	26.0 PPM	OK			
37	1.4 PPM	OK			
38	1.3 PPM	OK			
39	1.4 PPM	OK			
40	1.2 PPM	OK			
41	1.2 PPM	OK			
42	1.2 PPM	OK			
43	1.2 PPM	OK			
44	1.1 PPM	OK			
45	1.1 PPM	OK			
46	1.1 PPM	OK			
47	1.2 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - APRIL 8, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
48	1.3 PPM	OK			
49	1.6 PPM	OK			
50	1.9 PPM	OK			
51	1.7 PPM	OK			
52	25.6 PPM	OK			
53	1.4 PPM	OK			
54	1.5 PPM	OK			
55	1.5 PPM	OK			
56	3.5 PPM	OK			
57	3.4 PPM	OK			
58	9.6 PPM	OK			
59	1.5 PPM	OK			
60	1.1 PPM	OK			
61	1.0 PPM	OK			
62	1.0 PPM	OK			
63	1.0 PPM	OK			
64	1.1 PPM	OK			
65	1.0 PPM	OK			
66	1.1 PPM	OK			
67	1.0 PPM	OK			
68	1.0 PPM	OK			
69	2.9 PPM	OK			
70	1.1 PPM	OK			
71	1.0 PPM	OK			
72	1.0 PPM	OK			
73	1.0 PPM	OK			
74	1.5 PPM	OK			
75	1.0 PPM	OK			
76	1.0 PPM	OK			
77	1.0 PPM	OK			
78	1.0 PPM	OK			
79	1.0 PPM	OK			
80	1.9 PPM	OK			
81	1.0 PPM	OK			
82	0.9 PPM	OK			
83	0.9 PPM	OK			
84	0.9 PPM	OK			
85	1.0 PPM	OK			
86	0.9 PPM	OK			
87	0.9 PPM	OK			
88	0.9 PPM	OK			
89	0.9 PPM	OK			
90	1.0 PPM	OK			
91	1.1 PPM	OK			
92	1.0 PPM	OK			
93	1.0 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - APRIL 8, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
94	5.0 PPM	OK			
95	1.2 PPM	OK			
96	1.2 PPM	OK			
97	0.9 PPM	OK			
98	1.0 PPM	OK			
99	1.0 PPM	OK			
100	0.8 PPM	OK			End Serpentine Route
101	41.1 PPM	OK			EW-52
102	1.0 PPM	OK			TP-4
103	1.0 PPM	OK			EW-60
104	0.9 PPM	OK			EW-48
105	24.5 PPM	OK			TP-6
106	0.9 PPM	OK			EW-61
107	0.9 PPM	OK			EW-50
108	1.2 PPM	OK			EW-67
109	1.0 PPM	OK			EW-47
110	1.1 PPM	OK			EW-54
111	1.0 PPM	OK			EW-55
112	1.7 PPM	OK			EW-92
113	0.9 PPM	OK			EW-91
114	0.9 PPM	OK			EW-96
115	0.9 PPM	OK			EW-66
116	0.9 PPM	OK			EW-58
117	0.8 PPM	OK			EW-57
118	0.9 PPM	OK			TP-1
119	33.4 PPM	OK			EW-59
120	0.9 PPM	OK			EW-100
121	1.2 PPM	OK			EW-56
122	0.9 PPM	OK			EW-97
123	0.8 PPM	OK			EW-53
124	4.2 PPM	OK			EW-51
125	1.1 PPM	OK			TP-5
126	1.0 PPM	OK			EW-68
127	1.1 PPM	OK			EW-87
128	1.3 PPM	OK			EW-38
129	1.5 PPM	OK			TP-7
130	1.0 PPM	OK			EW-49
131	1.3 PPM	OK			EW-83
132	0.9 PPM	OK			EW-65
133	6.5 PPM	OK			EW-81
134	1.0 PPM	OK			TP-8
135	3.5 PPM	OK			EW-64
136	1.0 PPM	OK			EW-63
137	1.0 PPM	OK			EW-42
138	385.0 PPM	OK			EW-76
139	2.7 PPM	OK			TP-9

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - APRIL 8, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
140	2.0 PPM	OK			EW-62
141	0.6 PPM	OK			EW-74
142	3.0 PPM	OK			EW-32R
143	2.1 PPM	OK			EW-69
144	0.9 PPM	OK			EW-71
145	1.0 PPM	OK			EW-72
146	0.9 PPM	OK			EW-70
147	7.9 PPM	OK			EW-73
148	1.2 PPM	OK			EW-78
149	2.9 PPM	OK			EW-82
150	0.8 PPM	OK			EW-36A
151	0.9 PPM	OK			EW-85
152	1.0 PPM	OK			EW-88
153	0.7 PPM	OK			EW-89
154	1.8 PPM	OK			EW-93
155	1.1 PPM	OK			EW-94
156	0.8 PPM	OK			EW-98
157	3.4 PPM	OK			EW-99
158	0.6 PPM	OK			EW-95
159	0.9 PPM	OK			EW-90
160	6.5 PPM	OK			EW-86
161	0.6 PPM	OK			EW-84
162	0.5 PPM	OK			EW-80
163	0.5 PPM	OK			EW-79
164	0.5 PPM	OK			EW-77
165	3.1 PPM	OK			EW-33B
166	2.2 PPM	OK			EW-75

Number of locations sampled: 166

Number of exceedance locations: 0

NOTES:

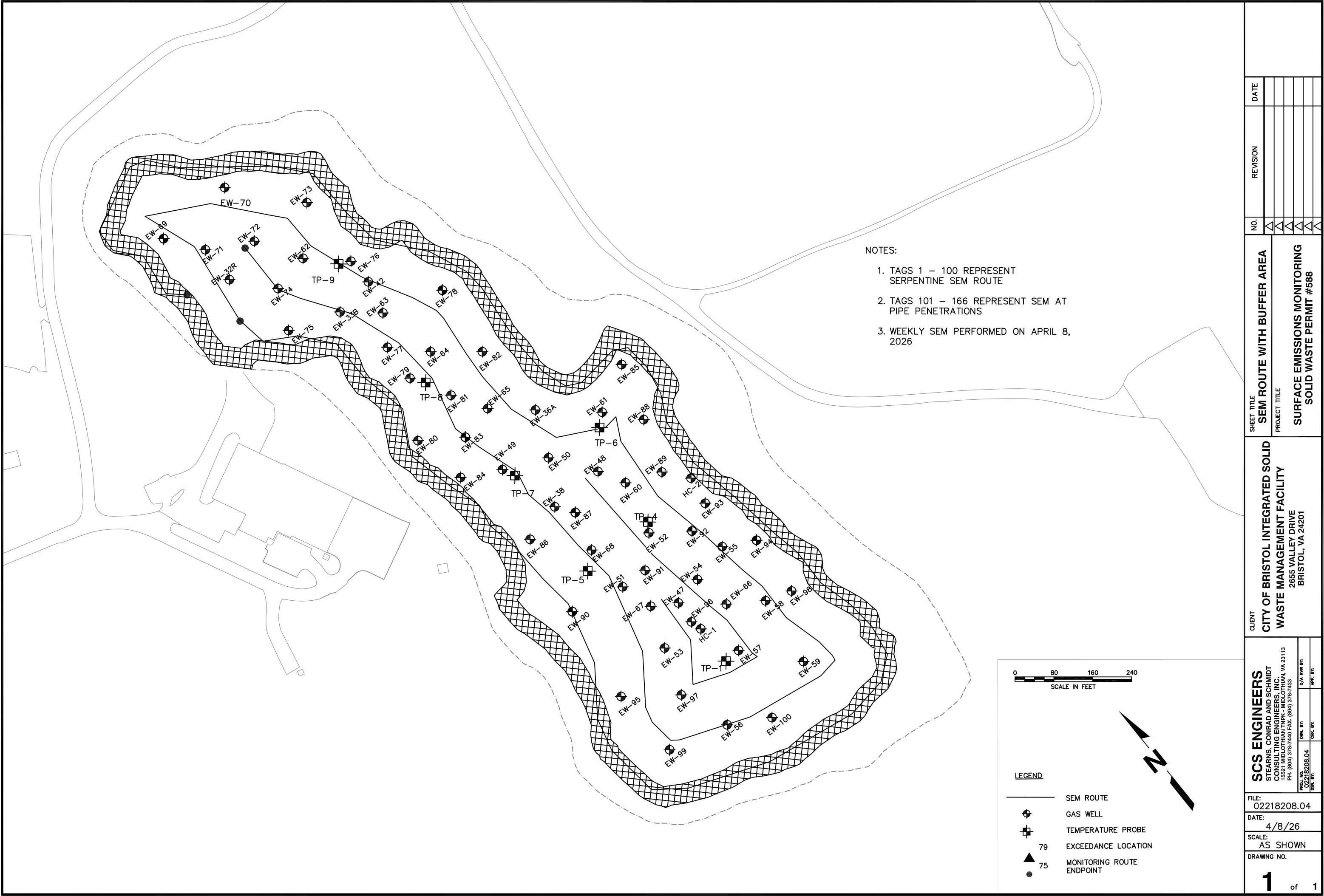
Points 1 through 100 represent serpentine SEM route.
Points 101 through 166 represent SEM at Pipe Penetrations
Weather Conditions: Sunny, 50°F Wind: 9 mph SE

Sampling Calibration: Methane - 500 ppm, Zero Air - 0.0 ppm

4/8/2026	11:16	ZERO	0.3	PPM
4/8/2026	11:19	SPAN	503.0	PPM

Background Reading:

4/8/2026	11:24	Upwind	1.9	PPM
4/8/2026	11:37	Downwind	3.6	PPM



SHEET TITLE		NO.		REVISION		DATE	
SEM ROUTE WITH BUFFER AREA							
PROJECT TITLE							
SURFACE EMISSIONS MONITORING							
SOLID WASTE PERMIT #588							

CLIENT		CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY	
		2655 VALLEY DRIVE BRISTOL, VA 24201	

SCS ENGINEERS		STEARN, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC.	
		15521 MIDLOTHIAN TRAIL, MIDLOTHIAN, VA 23113	
		PH: (804) 378-7440 FAX: (804) 378-7433	
PROJ. NO.	DRAW. BY:	CHECK BY:	DATE:
02218208.04			
DATE:	Q/A R/W BY:	APP. BY:	

FILE:	02218208.04
DATE:	4/8/26
SCALE:	AS SHOWN
DRAWING NO.	1 of 1

April 22, 2026
File No. 02218208.04

Ms. Susan "Tracey" Blalock
Air Compliance Specialist
Virginia Department of Environmental Quality
SW Regional Office
355-A Deadmore Street
Abingdon, VA 24210

Subject: Weekly Surface Emissions Monitoring Event – April 16, 2026
Bristol Integrated Solid Waste Facility – Bristol, Virginia

Dear Ms. Blalock:

On behalf of the City of Bristol (City), SCS Engineers (SCS) is pleased to submit the results of the Weekly Surface Emissions Monitoring event performed at the Bristol Integrated Solid Waste Management Facility located in Bristol, Virginia on April 16, 2026. This Weekly Surface Emissions Monitoring (SEM) Event was performed in accordance with Appendix A.1.i of the Consent Decree between the Commonwealth of Virginia and the City of Bristol.

The monitoring generally conforms to the requirements of 40 CFR 63.1960(c) and (d), and 40 CFR 60.36f(c) and (d), and 40 CFR 60, Appendix A, Method 21. The landfill gas (LFG) collection system is required to operate such that the methane concentration is less than 500 ppm above background at the landfill surface.

The monitoring route includes the entire waste footprint of Permit No. 588 Landfill. Sampling was conducted with a Thermo Scientific TVA-2020 Flame Ionization Detector (FID) at 30-meter intervals and where visual observations indicated the potential for elevated concentrations of LFG, such as distressed vegetation and surface cover cracks. In addition, in accordance with 40 CFR 63.1958(d)(ii)(2) and 40 CFR 60.34f(d), monitoring was conducted at all surface cover penetrations within the waste footprint, including at the temperature probes. The approximate monitoring route and sampling locations are presented in the attached Drawing.

At the time of monitoring, all areas of the Permit No. 588 Landfill footprint are subject to regulatory monitoring based on the regulatory schedule stipulated in 40 CFR 63.1960(b) and 40 CFR 60.36f(b). Permit No. 588 Landfill has a surface area of approximately 17.3 acres. Therefore, the minimum number of sampling points to cover the appropriate portion of the landfill footprint, utilizing a 30-meter grid interval, is approximately 82 (4.75 points per acre). A summary of the results of the surface emissions monitoring is provided in Table 1.



Table 1. Summary of Surface Emissions Monitoring

Description	Quantity
Number of Points Sampled	166
Number of Points in Serpentine Route	100
Number of Points at Surface Cover Penetrations	66
Number of Exceedances	1
Number of Serpentine Exceedances	0
Number of Pipe Penetration Exceedances	0

REMONITORING OF ONGOING EXCEEDANCES

In accordance with 40 CFR 63.1960(c)(4)(ii) and 40 CFR 60.36f(c)(4)(ii), corrective actions and a remonitoring event are to be performed within 10 days of the initial exceedance. In accordance with 40 CFR 63.1960(c)(4)(iii) and 40 CFR 60.36f(c)(4)(iii) additional corrective actions and a second 10-day retest are to be performed if the initial 10-day retest indicates methane values greater than the regulatory threshold. The Facility performs corrective actions, as necessary, including wellhead vacuum adjustments, the installation of well-bore seals, and addition of soil cover prior to weekly monitoring events at locations that previously exhibited elevated methane concentrations.

In accordance with 40 CFR 63.1960(c)(4)(v) and 40 CFR 60.36f(c)(4)(v) a new well or collection device must be installed or an alternate remedy must be submitted within 120 days at locations that continue to exhibit methane concentrations above the regulatory threshold for two consecutive re-tests.

During the 4/16/2026 event, there were no ongoing exceedances. An initial exceedance was monitored at penetration EW-67 during the 4/16/2026 event, therefore, this location's retest results will be provided in the following weekly SEM report.

Ms. Susan "Tracey" Blalock
April 22, 2026
Page 3

If you have questions or require additional information, please contact either of the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "William J. Fabrie". The signature is written in a cursive style with a large initial "W".

William J. Fabrie
Project Professional
SCS Engineers

A handwritten signature in black ink, appearing to read "Quinn Bernier". The signature is written in a cursive style with a large initial "Q".

Quinn Bernier
Senior Project Professional
SCS Engineers

QFB/WJF

cc: Jonathan Hayes, City of Bristol
Laura Helander, City of Bristol

Encl. Surface Emissions Monitoring Results
Bristol SEM Route Drawing

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - APRIL 16, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
1	3.4 PPM	OK			Start Serpentine Route
2	3.9 PPM	OK			
3	2.8 PPM	OK			
4	1.7 PPM	OK			
5	1.6 PPM	OK			
6	1.6 PPM	OK			
7	1.6 PPM	OK			
8	1.5 PPM	OK			
9	1.9 PPM	OK			
10	1.5 PPM	OK			
11	1.7 PPM	OK			
12	1.5 PPM	OK			
13	1.8 PPM	OK			
14	1.6 PPM	OK			
15	1.7 PPM	OK			
16	2.8 PPM	OK			
17	4.9 PPM	OK			
18	1.6 PPM	OK			
19	1.8 PPM	OK			
20	1.5 PPM	OK			
21	1.6 PPM	OK			
22	5.5 PPM	OK			
23	13.6 PPM	OK			
24	3.4 PPM	OK			
25	1.3 PPM	OK			
26	1.5 PPM	OK			
27	1.7 PPM	OK			
28	1.5 PPM	OK			
29	4.4 PPM	OK			
30	1.4 PPM	OK			
31	20.5 PPM	OK			
32	2.6 PPM	OK			
33	2.2 PPM	OK			
34	5.3 PPM	OK			
35	2.9 PPM	OK			
36	76.2 PPM	OK			
37	12.1 PPM	OK			
38	10.3 PPM	OK			
39	1.3 PPM	OK			
40	1.2 PPM	OK			
41	1.2 PPM	OK			
42	1.3 PPM	OK			
43	1.2 PPM	OK			
44	1.1 PPM	OK			
45	1.0 PPM	OK			
46	1.0 PPM	OK			
47	1.1 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - APRIL 16, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
48	1.2 PPM	OK			
49	1.1 PPM	OK			
50	1.2 PPM	OK			
51	1.5 PPM	OK			
52	4.8 PPM	OK			
53	3.5 PPM	OK			
54	2.4 PPM	OK			
55	4.1 PPM	OK			
56	4.7 PPM	OK			
57	1.7 PPM	OK			
58	1.0 PPM	OK			
59	1.9 PPM	OK			
60	1.1 PPM	OK			
61	1.1 PPM	OK			
62	1.5 PPM	OK			
63	1.2 PPM	OK			
64	1.2 PPM	OK			
65	4.3 PPM	OK			
66	18.6 PPM	OK			
67	2.9 PPM	OK			
68	0.9 PPM	OK			
69	0.9 PPM	OK			
70	1.1 PPM	OK			
71	2.4 PPM	OK			
72	2.2 PPM	OK			
73	3.4 PPM	OK			
74	1.1 PPM	OK			
75	5.2 PPM	OK			
76	0.9 PPM	OK			
77	0.8 PPM	OK			
78	1.7 PPM	OK			
79	1.1 PPM	OK			
80	1.9 PPM	OK			
81	0.8 PPM	OK			
82	1.1 PPM	OK			
83	50.1 PPM	OK			
84	2.1 PPM	OK			
85	1.3 PPM	OK			
86	1.1 PPM	OK			
87	1.7 PPM	OK			
88	1.2 PPM	OK			
89	1.4 PPM	OK			
90	1.3 PPM	OK			
91	1.1 PPM	OK			
92	1.4 PPM	OK			
93	1.0 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - APRIL 16, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
94	4.9 PPM	OK			
95	1.0 PPM	OK			
96	11.5 PPM	OK			
97	0.3 PPM	OK			
98	1.3 PPM	OK			
99	0.9 PPM	OK			
100	4.2 PPM	OK			End Serpentine Route
101	64.9 PPM	OK			EW-52
102	1.1 PPM	OK			TP-4
103	135.0 PPM	OK			EW-60
104	2.6 PPM	OK			EW-48
105	3.1 PPM	OK			TP-6
106	0.6 PPM	OK			EW-61
107	0.9 PPM	OK			EW-50
108	2115.0 PPM	HIGH_ALRM	36.59857	-82.14771	EW-67
109	1.1 PPM	OK			EW-47
110	1.2 PPM	OK			EW-54
111	0.5 PPM	OK			EW-55
112	0.8 PPM	OK			EW-92
113	2.0 PPM	OK			EW-91
114	1.5 PPM	OK			EW-96
115	0.7 PPM	OK			EW-66
116	0.6 PPM	OK			EW-58
117	0.5 PPM	OK			EW-57
118	0.5 PPM	OK			TP-1
119	3.0 PPM	OK			EW-59
120	1.4 PPM	OK			EW-100
121	5.6 PPM	OK			EW-56
122	0.9 PPM	OK			EW-97
123	2.2 PPM	OK			EW-53
124	1.7 PPM	OK			EW-51
125	1.5 PPM	OK			TP-5
126	0.9 PPM	OK			EW-68
127	0.5 PPM	OK			EW-87
128	0.8 PPM	OK			EW-38
129	1.0 PPM	OK			TP-7
130	0.6 PPM	OK			EW-49
131	0.8 PPM	OK			EW-83
132	1.0 PPM	OK			EW-65
133	1.1 PPM	OK			EW-81
134	1.5 PPM	OK			TP-8
135	0.8 PPM	OK			EW-64
136	0.9 PPM	OK			EW-63
137	7.4 PPM	OK			EW-42
138	11.8 PPM	OK			EW-76
139	1.5 PPM	OK			TP-9

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - APRIL 16, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
140	0.2 PPM	OK			EW-62
141	0.1 PPM	OK			EW-74
142	0.2 PPM	OK			EW-32R
143	0.1 PPM	OK			EW-69
144	0.0 PPM	OK			EW-71
145	1.3 PPM	OK			EW-72
146	0.0 PPM	OK			EW-70
147	35.1 PPM	OK			EW-73
148	0.0 PPM	OK			EW-78
149	4.5 PPM	OK			EW-82
150	0.3 PPM	OK			EW-36A
151	0.2 PPM	OK			EW-85
152	2.7 PPM	OK			EW-88
153	1.5 PPM	OK			EW-89
154	1.7 PPM	OK			EW-93
155	1.2 PPM	OK			EW-94
156	0.3 PPM	OK			EW-98
157	1.8 PPM	OK			EW-99
158	70.9 PPM	OK			EW-95
159	4.3 PPM	OK			EW-90
160	30.3 PPM	OK			EW-86
161	0.1 PPM	OK			EW-84
162	0.1 PPM	OK			EW-80
163	1.3 PPM	OK			EW-79
164	1.3 PPM	OK			EW-77
165	0.6 PPM	OK			EW-33B
166	118.0 PPM	OK			EW-75

Number of locations sampled: 166

Number of exceedance locations: 1

NOTES:

Points 1 through 100 represent serpentine SEM route.
Points 101 through 166 represent SEM at Pipe Penetrations
Weather Conditions: Sunny, 70°F Wind: 11 mph Sw

Sampling Calibration: Methane - 500 ppm, Zero Air - 0.0 ppm

4/16/2026	10:32	ZERO	0.3	PPM
4/16/2026	10:41	SPAN	502.0	PPM

Background Reading:

4/16/2026	10:45	Upwind	2.4	PPM
4/16/2026	10:51	Downwind	2.1	PPM

April 29, 2026
File No. 02218208.04

Ms. Susan "Tracey" Blalock
Air Compliance Specialist
Virginia Department of Environmental Quality
SW Regional Office
355-A Deadmore Street
Abingdon, VA 24210

Subject: Weekly Surface Emissions Monitoring Event – April 22, 2026
Bristol Integrated Solid Waste Facility – Bristol, Virginia

Dear Ms. Blalock:

On behalf of the City of Bristol (City), SCS Engineers (SCS) is pleased to submit the results of the Weekly Surface Emissions Monitoring event performed at the Bristol Integrated Solid Waste Management Facility located in Bristol, Virginia on April 22, 2026. This Weekly Surface Emissions Monitoring (SEM) Event was performed in accordance with Appendix A.1.i of the Consent Decree between the Commonwealth of Virginia and the City of Bristol.

The monitoring generally conforms to the requirements of 40 CFR 63.1960(c) and (d), and 40 CFR 60.36f(c) and (d), and 40 CFR 60, Appendix A, Method 21. The landfill gas (LFG) collection system is required to operate such that the methane concentration is less than 500 ppm above background at the landfill surface.

The monitoring route includes the entire waste footprint of Permit No. 588 Landfill. Sampling was conducted with an Inficon IRwin infrared (IR) Methane Leak Detector at 30-meter intervals and where visual observations indicated the potential for elevated concentrations of LFG, such as distressed vegetation and surface cover cracks. In addition, in accordance with 40 CFR 63.1958(d)(ii)(2) and 40 CFR 60.34f(d), monitoring was conducted at all surface cover penetrations within the waste footprint, including at the temperature probes and horizontal collector. The approximate monitoring route and sampling locations are presented in the attached Drawing.

At the time of monitoring, all areas of the Permit No. 588 Landfill footprint are subject to regulatory monitoring based on the regulatory schedule stipulated in 40 CFR 63.1960(b) and 40 CFR 60.36f(b). Permit No. 588 Landfill has a surface area of approximately 17.3 acres. Therefore, the minimum number of sampling points to cover the appropriate portion of the landfill footprint, utilizing a 30-meter grid interval, is approximately 82 (4.75 points per acre). A summary of the results of the surface emissions monitoring is provided in Table 1.



Table 1. Summary of Surface Emissions Monitoring

Description	Quantity
Number of Points Sampled	167
Number of Points in Serpentine Route	100
Number of Points at Surface Cover Penetrations	67
Number of Exceedances	0
Number of Serpentine Exceedances	0
Number of Pipe Penetration Exceedances	0

REMONITORING OF ONGOING EXCEEDANCES

In accordance with 40 CFR 63.1960(c)(4)(ii) and 40 CFR 60.36f(c)(4)(ii), corrective actions and a remonitoring event are to be performed within 10 days of the initial exceedance. In accordance with 40 CFR 63.1960(c)(4)(iii) and 40 CFR 60.36f(c)(4)(iii) additional corrective actions and a second 10-day retest are to be performed if the initial 10-day retest indicates methane values greater than the regulatory threshold. The Facility performs corrective actions, as necessary, including wellhead vacuum adjustments, the installation of well-bore seals, and addition of soil cover prior to weekly monitoring events at locations that previously exhibited elevated methane concentrations.

In accordance with 40 CFR 63.1960(c)(4)(v) and 40 CFR 60.36f(c)(4)(v) a new well or collection device must be installed or an alternate remedy must be submitted within 120 days at locations that continue to exhibit methane concentrations above the regulatory threshold for two consecutive re-tests.

A summary of ongoing exceedance points is provided in Table 2.

Table 2. Ongoing Weekly SEM Exceedances

Point ID	Initial Exceedance Date	4/22/26 Event	4/22/26 Event Result	Comments
EW-67	4/16/26	10-Day Retest	Passed	Requires 1-Month Retest

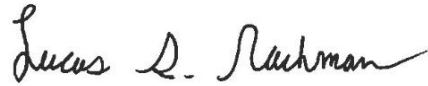
Ms. Susan "Tracey" Blalock
April 29, 2026
Page 3

If you have questions or require additional information, please contact either of the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "William J. Fabrie". The signature is written in a cursive style with a large, stylized "F".

William J. Fabrie
Project Professional
SCS Engineers

A handwritten signature in black ink, appearing to read "Lucas S. Nachman". The signature is written in a cursive style with a large, stylized "L".

Lucas S. Nachman
Senior Project Professional
SCS Engineers

LSN/WJF

cc: Jonathan Hayes, City of Bristol
Laura Helander, City of Bristol

Encl. Surface Emissions Monitoring Results
Bristol SEM Route Drawing

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - APRIL 22, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
1	0.0 PPM	OK			Start Serpentine Route
2	0.0 PPM	OK			
3	0.0 PPM	OK			
4	0.0 PPM	OK			
5	0.0 PPM	OK			
6	0.0 PPM	OK			
7	0.0 PPM	OK			
8	0.0 PPM	OK			
9	0.0 PPM	OK			
10	4.0 PPM	OK			
11	0.0 PPM	OK			
12	0.0 PPM	OK			
13	0.0 PPM	OK			
14	0.0 PPM	OK			
15	0.0 PPM	OK			
16	0.0 PPM	OK			
17	0.0 PPM	OK			
18	0.0 PPM	OK			
19	0.0 PPM	OK			
20	0.0 PPM	OK			
21	0.0 PPM	OK			
22	0.0 PPM	OK			
23	0.0 PPM	OK			
24	0.0 PPM	OK			
25	0.0 PPM	OK			
26	3.0 PPM	OK			
27	0.0 PPM	OK			
28	0.0 PPM	OK			
29	1.0 PPM	OK			
30	0.0 PPM	OK			
31	4.0 PPM	OK			
32	0.0 PPM	OK			
33	9.0 PPM	OK			
34	0.0 PPM	OK			
35	0.0 PPM	OK			
36	0.0 PPM	OK			
37	0.0 PPM	OK			
38	0.0 PPM	OK			
39	0.0 PPM	OK			
40	0.0 PPM	OK			
41	0.0 PPM	OK			
42	0.0 PPM	OK			
43	0.0 PPM	OK			
44	0.0 PPM	OK			
45	10.0 PPM	OK			
46	0.0 PPM	OK			
47	0.0 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - APRIL 22, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
48	0.0 PPM	OK			
49	0.0 PPM	OK			
50	0.0 PPM	OK			
51	0.0 PPM	OK			
52	2.0 PPM	OK			
53	1.0 PPM	OK			
54	0.0 PPM	OK			
55	6.0 PPM	OK			
56	0.0 PPM	OK			
57	0.0 PPM	OK			
58	3.0 PPM	OK			
59	0.0 PPM	OK			
60	0.0 PPM	OK			
61	0.0 PPM	OK			
62	0.0 PPM	OK			
63	0.0 PPM	OK			
64	0.0 PPM	OK			
65	0.0 PPM	OK			
66	0.0 PPM	OK			
67	0.0 PPM	OK			
68	0.0 PPM	OK			
69	0.0 PPM	OK			
70	0.0 PPM	OK			
71	0.0 PPM	OK			
72	0.0 PPM	OK			
73	0.0 PPM	OK			
74	0.0 PPM	OK			
75	0.0 PPM	OK			
76	0.0 PPM	OK			
77	0.0 PPM	OK			
78	0.0 PPM	OK			
79	0.0 PPM	OK			
80	0.0 PPM	OK			
81	0.0 PPM	OK			
82	0.0 PPM	OK			
83	0.0 PPM	OK			
84	0.0 PPM	OK			
85	0.0 PPM	OK			
86	0.0 PPM	OK			
87	0.0 PPM	OK			
88	0.0 PPM	OK			
89	0.0 PPM	OK			
90	0.0 PPM	OK			
91	0.0 PPM	OK			
92	0.0 PPM	OK			
93	0.0 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - APRIL 22, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
94	0.0 PPM	OK			
95	0.0 PPM	OK			
96	0.0 PPM	OK			
97	0.0 PPM	OK			
98	0.0 PPM	OK			
99	0.0 PPM	OK			
100	2.0 PPM	OK			End Serpentine Route
101	55.0 PPM	OK			EW-75
102	0.0 PPM	OK			EW-74
103	0.0 PPM	OK			EW-33B
104	0.0 PPM	OK			EW-77
105	0.0 PPM	OK			EW-79
106	0.0 PPM	OK			TP-6
107	0.0 PPM	OK			EW-81
108	0.0 PPM	OK			EW-80
109	1.0 PPM	OK			EW-83
110	0.0 PPM	OK			EW-84
111	0.0 PPM	OK			EW-49
112	0.0 PPM	OK			TP-7
113	8.0 PPM	OK			EW-86
114	0.0 PPM	OK			EW-90
115	3.0 PPM	OK			EW-95
116	2.0 PPM	OK			EW-97
117	0.0 PPM	OK			EW-99
118	0.0 PPM	OK			EW-56
119	0.0 PPM	OK			EW-100
120	0.0 PPM	OK			EW-59
121	0.0 PPM	OK			EW-57
122	0.0 PPM	OK			TP-1
123	0.0 PPM	OK			EW-58
124	0.0 PPM	OK			EW-98
125	0.0 PPM	OK			EW-66
126	0.0 PPM	OK			HC-01
127	0.0 PPM	OK			EW-53
128	0.0 PPM	OK			EW-96
129	5.0 PPM	OK			EW-47
130	0.0 PPM	OK			EW-94
131	0.0 PPM	OK			EW-55
132	0.0 PPM	OK			EW-54
133	11.0 PPM	OK			EW-67
134	0.0 PPM	OK			EW-51
135	0.0 PPM	OK			EW-91
136	0.0 PPM	OK			EW-92
137	0.0 PPM	OK			EW-93
138	0.0 PPM	OK			TP-4
139	32.0 PPM	OK			EW-52

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - APRIL 22, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
140	0.0 PPM	OK			TP-5
141	0.0 PPM	OK			EW-68
142	0.0 PPM	OK			EW-87
143	0.0 PPM	OK			EW-38
144	0.0 PPM	OK			EW-48
145	10.0 PPM	OK			EW-60
146	0.0 PPM	OK			EW-89
147	0.0 PPM	OK			EW-88
148	0.0 PPM	OK			EW-85
149	0.0 PPM	OK			EW-61
150	23.0 PPM	OK			TP-6
151	0.0 PPM	OK			EW-50
152	0.0 PPM	OK			EW-36A
153	0.0 PPM	OK			EW-65
154	0.0 PPM	OK			EW-64
155	0.0 PPM	OK			EW-63
156	5.0 PPM	OK			EW-42
157	0.0 PPM	OK			EW-76
158	0.0 PPM	OK			TP-9
159	0.0 PPM	OK			EW-62
160	0.0 PPM	OK			EW-32R
161	0.0 PPM	OK			EW-72
162	0.0 PPM	OK			EW-71
163	0.0 PPM	OK			EW-69
164	0.0 PPM	OK			EW-70
165	1.0 PPM	OK			EW-73
166	0.0 PPM	OK			EW-78
167	0.0 PPM	OK			EW-82

Number of locations sampled:	167
Number of exceedance locations:	0

NOTES:

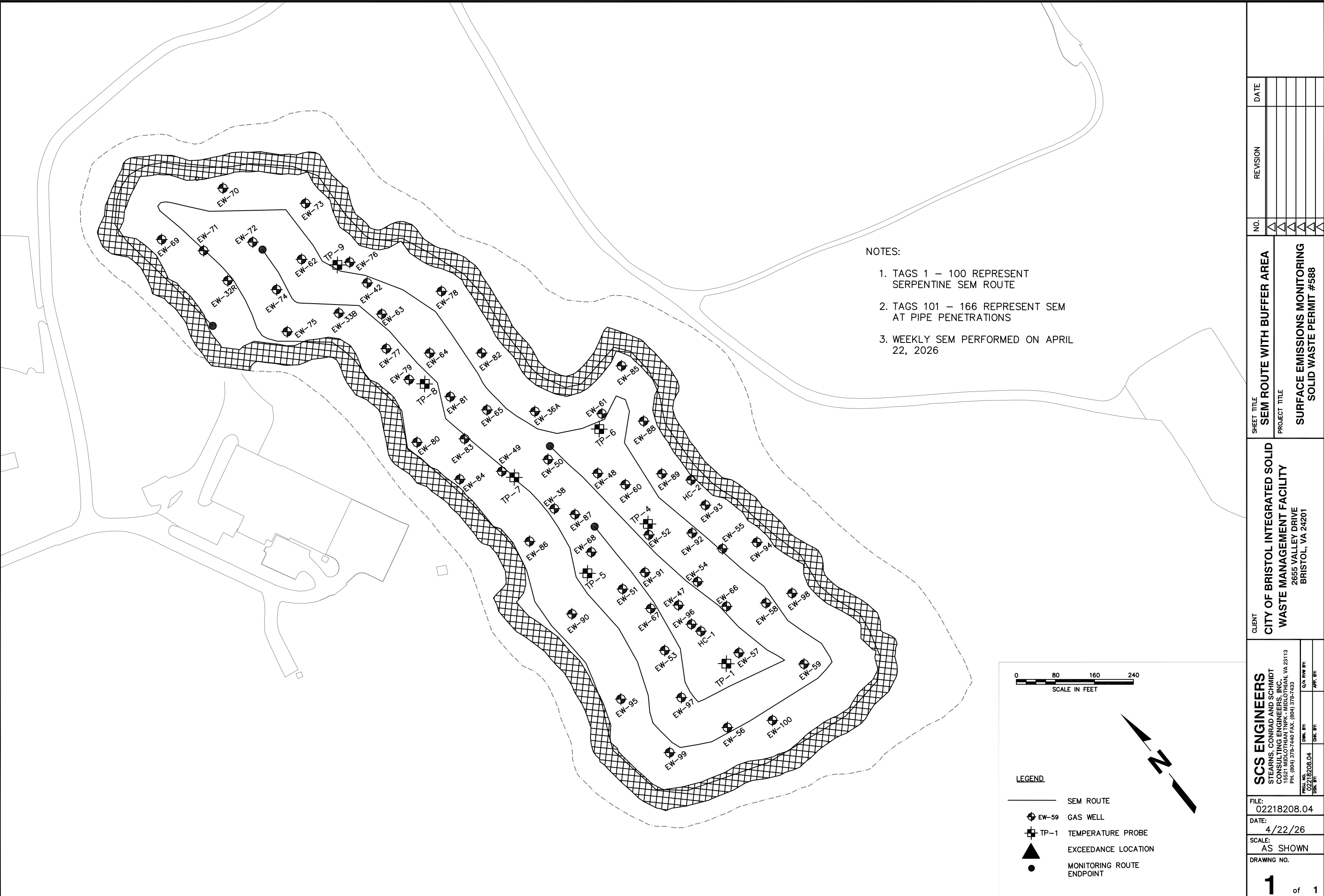
Points 1 through 100 represent serpentine SEM route.
Points 101 through 167 represent SEM at Pipe Penetrations
Weather Conditions: Sunny, 70°F Wind: 12 mph E

Sampling Calibration: Methane - 500 ppm, Zero Air - 0.0 ppm

4/22/2026	7:45	ZERO	0.0	PPM
4/22/2026	7:46	SPAN	513.0	PPM

Background Reading:

4/22/2026	8:13	Upwind	0.0	PPM
4/22/2026	8:17	Downwind	0.0	PPM



SHEET TITLE		REVISION		DATE	
SEM ROUTE WITH BUFFER AREA					
PROJECT TITLE					
SURFACE EMISSIONS MONITORING					
SOLID WASTE PERMIT #588					
CLIENT		NO.			
CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY		SEM ROUTE WITH BUFFER AREA			
2655 VALLEY DRIVE BRISTOL, VA 24201		PROJECT TITLE			
SCS ENGINEERS		SURFACE EMISSIONS MONITORING			
STEARN, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC.		SOLID WASTE PERMIT #588			
15521 MIDLOTHIAN TRAIL, MIDLOTHIAN, VA 23113					
PH. (804) 378-7440 FAX. (804) 378-7433					
PROJ. NO. 02218208.04		DWN. BY:		C/A R/W BY:	
DATE: 4/22/26		CHK. BY:		APP. BY:	
SCALE: AS SHOWN					
DRAWING NO.					
1 of 1					

May 6, 2026
File No. 02218208.04

Ms. Susan "Tracey" Blalock
Air Compliance Specialist
Virginia Department of Environmental Quality
SW Regional Office
355-A Deadmore Street
Abingdon, VA 24210

Subject: Weekly Surface Emissions Monitoring Event – April 30, 2026
Bristol Integrated Solid Waste Facility – Bristol, Virginia

Dear Ms. Blalock:

On behalf of the City of Bristol (City), SCS Engineers (SCS) is pleased to submit the results of the Weekly Surface Emissions Monitoring event performed at the Bristol Integrated Solid Waste Management Facility located in Bristol, Virginia on April 30, 2026. This Weekly Surface Emissions Monitoring (SEM) Event was performed in accordance with Appendix A.1.i of the Consent Decree between the Commonwealth of Virginia and the City of Bristol.

The monitoring generally conforms to the requirements of 40 CFR 63.1960(c) and (d), and 40 CFR 60.36f(c) and (d), and 40 CFR 60, Appendix A, Method 21. The landfill gas (LFG) collection system is required to operate such that the methane concentration is less than 500 ppm above background at the landfill surface.

The monitoring route includes the entire waste footprint of Permit No. 588 Landfill. Sampling was conducted with an Inficon IRwin infrared (IR) Methane Leak Detector at 30-meter intervals and where visual observations indicated the potential for elevated concentrations of LFG, such as distressed vegetation and surface cover cracks. In addition, in accordance with 40 CFR 63.1958(d)(ii)(2) and 40 CFR 60.34f(d), monitoring was conducted at all surface cover penetrations within the waste footprint, including at the temperature probes and horizontal collectors. The approximate monitoring route and sampling locations are presented in the attached Drawing.

At the time of monitoring, all areas of the Permit No. 588 Landfill footprint are subject to regulatory monitoring based on the regulatory schedule stipulated in 40 CFR 63.1960(b) and 40 CFR 60.36f(b). Permit No. 588 Landfill has a surface area of approximately 17.3 acres. Therefore, the minimum number of sampling points to cover the appropriate portion of the landfill footprint, utilizing a 30-meter grid interval, is approximately 82 (4.75 points per acre). A summary of the results of the surface emissions monitoring is provided in Table 1.



Table 1. Summary of Surface Emissions Monitoring

Description	Quantity
Number of Points Sampled	168
Number of Points in Serpentine Route	100
Number of Points at Surface Cover Penetrations	68
Number of Exceedances	0
Number of Serpentine Exceedances	0
Number of Pipe Penetration Exceedances	0

REMONITORING OF ONGOING EXCEEDANCES

In accordance with 40 CFR 63.1960(c)(4)(ii) and 40 CFR 60.36f(c)(4)(ii), corrective actions and a remonitoring event are to be performed within 10 days of the initial exceedance. In accordance with 40 CFR 63.1960(c)(4)(iii) and 40 CFR 60.36f(c)(4)(iii) additional corrective actions and a second 10-day retest are to be performed if the initial 10-day retest indicates methane values greater than the regulatory threshold. The Facility performs corrective actions, as necessary, including wellhead vacuum adjustments, the installation of well-bore seals, and addition of soil cover prior to weekly monitoring events at locations that previously exhibited elevated methane concentrations.

In accordance with 40 CFR 63.1960(c)(4)(v) and 40 CFR 60.36f(c)(4)(v) a new well or collection device must be installed or an alternate remedy must be submitted within 120 days at locations that continue to exhibit methane concentrations above the regulatory threshold for two consecutive re-tests.

A summary of ongoing exceedance points is provided in Table 2.

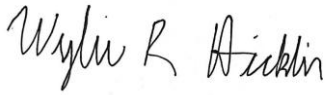
Table 2. Ongoing Weekly SEM Exceedances

Point ID	Initial Exceedance Date	4/30/26 Event	4/30/26 Event Result	Comments
EW-67	4/16/26	N/A	Passed	Requires 1-Month Retest

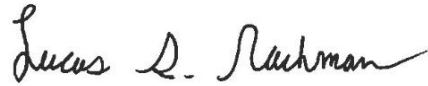
Ms. Susan "Tracey" Blalock
May 6, 2026
Page 3

If you have questions or require additional information, please contact either of the undersigned.

Sincerely,



Wylie R Hicklin
Staff Professional
SCS Engineers



Lucas S. Nachman
Senior Project Professional
SCS Engineers

LSN/WRH

cc: Jonathan Hayes, City of Bristol
Laura Helander, City of Bristol

Encl. Surface Emissions Monitoring Results
Bristol SEM Route Drawing

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - APRIL 30, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
1	0.0 PPM	OK			Start Serpentine Route
2	0.0 PPM	OK			
3	0.0 PPM	OK			
4	1.0 PPM	OK			
5	0.0 PPM	OK			
6	3.0 PPM	OK			
7	0.0 PPM	OK			
8	0.0 PPM	OK			
9	0.0 PPM	OK			
10	2.0 PPM	OK			
11	0.0 PPM	OK			
12	0.0 PPM	OK			
13	0.0 PPM	OK			
14	0.0 PPM	OK			
15	0.0 PPM	OK			
16	0.0 PPM	OK			
17	0.0 PPM	OK			
18	0.0 PPM	OK			
19	2.0 PPM	OK			
20	0.0 PPM	OK			
21	0.0 PPM	OK			
22	0.0 PPM	OK			
23	0.0 PPM	OK			
24	2.0 PPM	OK			
25	0.0 PPM	OK			
26	0.0 PPM	OK			
27	0.0 PPM	OK			
28	0.0 PPM	OK			
29	0.0 PPM	OK			
30	0.0 PPM	OK			
31	0.0 PPM	OK			
32	0.0 PPM	OK			
33	15.0 PPM	OK			
34	0.0 PPM	OK			
35	3.0 PPM	OK			
36	0.0 PPM	OK			
37	0.0 PPM	OK			
38	2.0 PPM	OK			
39	0.0 PPM	OK			
40	0.0 PPM	OK			
41	0.0 PPM	OK			
42	0.0 PPM	OK			
43	0.0 PPM	OK			
44	0.0 PPM	OK			
45	0.0 PPM	OK			
46	2.0 PPM	OK			
47	2.0 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - APRIL 30, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
48	0.0 PPM	OK			
49	0.0 PPM	OK			
50	0.0 PPM	OK			
51	0.0 PPM	OK			
52	0.0 PPM	OK			
53	0.0 PPM	OK			
54	0.0 PPM	OK			
55	2.0 PPM	OK			
56	0.0 PPM	OK			
57	0.0 PPM	OK			
58	0.0 PPM	OK			
59	0.0 PPM	OK			
60	0.0 PPM	OK			
61	0.0 PPM	OK			
62	0.0 PPM	OK			
63	0.0 PPM	OK			
64	0.0 PPM	OK			
65	0.0 PPM	OK			
66	0.0 PPM	OK			
67	0.0 PPM	OK			
68	0.0 PPM	OK			
69	10.0 PPM	OK			
70	0.0 PPM	OK			
71	0.0 PPM	OK			
72	3.0 PPM	OK			
73	0.0 PPM	OK			
74	0.0 PPM	OK			
75	0.0 PPM	OK			
76	0.0 PPM	OK			
77	0.0 PPM	OK			
78	0.0 PPM	OK			
79	0.0 PPM	OK			
80	0.0 PPM	OK			
81	0.0 PPM	OK			
82	0.0 PPM	OK			
83	2.0 PPM	OK			
84	0.0 PPM	OK			
85	0.0 PPM	OK			
86	0.0 PPM	OK			
87	0.0 PPM	OK			
88	0.0 PPM	OK			
89	0.0 PPM	OK			
90	0.0 PPM	OK			
91	1.0 PPM	OK			
92	0.0 PPM	OK			
93	0.0 PPM	OK			
94	0.0 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - APRIL 30, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
95	0.0 PPM	OK			
96	0.0 PPM	OK			
97	0.0 PPM	OK			
98	0.0 PPM	OK			
99	2.0 PPM	OK			
100	0.0 PPM	OK			End Serpentine Route
101	4.0 PPM	OK			EW-75
102	0.0 PPM	OK			EW-74
103	0.0 PPM	OK			EW-33B
104	0.0 PPM	OK			EW-77
105	0.0 PPM	OK			EW-79
106	0.0 PPM	OK			TP-8
107	0.0 PPM	OK			EW-81
108	2.0 PPM	OK			EW-80
109	0.0 PPM	OK			EW-83
110	0.0 PPM	OK			EW-84
111	0.0 PPM	OK			EW-49
112	0.0 PPM	OK			TP-7
113	5.0 PPM	OK			EW-86
114	0.0 PPM	OK			EW-90
115	0.0 PPM	OK			EW-95
116	0.0 PPM	OK			EW-97
117	0.0 PPM	OK			EW-99
118	0.0 PPM	OK			EW-56
119	5.0 PPM	OK			EW-100
120	0.0 PPM	OK			EW-59
121	0.0 PPM	OK			EW-57
122	0.0 PPM	OK			TP-1
123	0.0 PPM	OK			EW-58
124	0.0 PPM	OK			EW-98
125	0.0 PPM	OK			EW-66
126	0.0 PPM	OK			HC-01
127	0.0 PPM	OK			EW-53
128	0.0 PPM	OK			EW-96
129	0.0 PPM	OK			EW-47
130	18.0 PPM	OK			EW-67
131	0.0 PPM	OK			EW-54
132	0.0 PPM	OK			EW-55
133	0.0 PPM	OK			EW-94
134	0.0 PPM	OK			EW-93
135	0.0 PPM	OK			EW-92
136	4.0 PPM	OK			EW-91
137	0.0 PPM	OK			EW-51
138	13.0 PPM	OK			EW-52
139	0.0 PPM	OK			TP-4
140	0.0 PPM	OK			HC-02
141	0.0 PPM	OK			EW-89

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - APRIL 30, 2026
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
142	0.0 PPM	OK			EW-60
143	0.0 PPM	OK			TP-5
144	0.0 PPM	OK			EW-68
145	0.0 PPM	OK			EW-38
146	0.0 PPM	OK			EW-87
147	0.0 PPM	OK			EW-48
148	0.0 PPM	OK			EW-88
149	0.0 PPM	OK			EW-85
150	0.0 PPM	OK			EW-61
151	0.0 PPM	OK			TP-6
152	0.0 PPM	OK			EW-50
153	0.0 PPM	OK			EW-36A
154	0.0 PPM	OK			EW-65
155	0.0 PPM	OK			EW-64
156	0.0 PPM	OK			EW-63
157	0.0 PPM	OK			EW-42
158	37.0 PPM	OK			EW-76
159	0.0 PPM	OK			TP-9
160	0.0 PPM	OK			EW-62
161	0.0 PPM	OK			EW-72
162	0.0 PPM	OK			EW-32R
163	0.0 PPM	OK			EW-71
164	0.0 PPM	OK			EW-69
165	0.0 PPM	OK			EW-70
166	0.0 PPM	OK			EW-73
167	0.0 PPM	OK			EW-78
168	2.0 PPM	OK			EW-82

Number of locations sampled: 168

Number of exceedance locations: 0

NOTES:

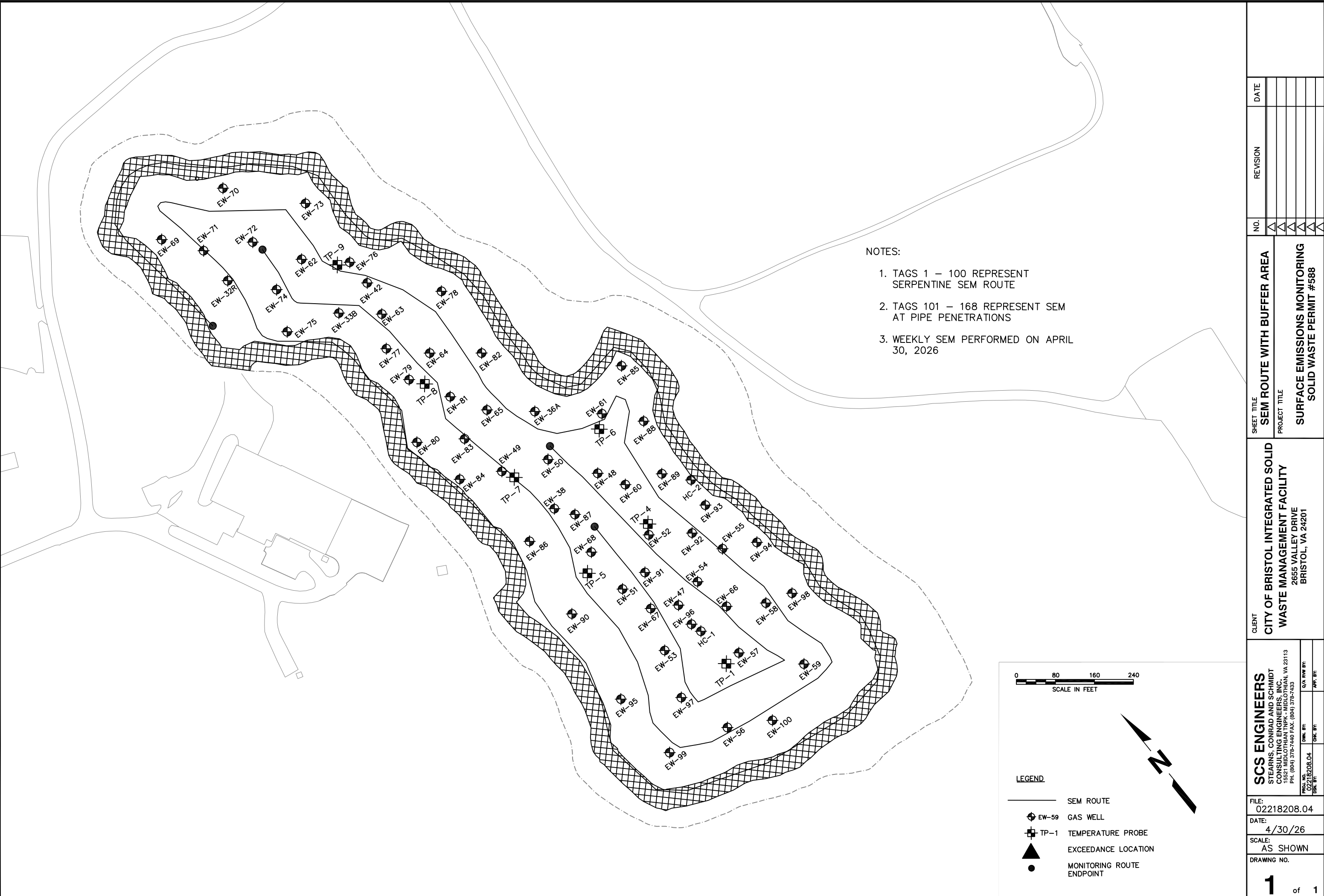
Points 1 through 100 represent serpentine SEM route.
Points 101 through 168 represent SEM at Pipe Penetrations
Weather Conditions: Mostly Sunny, 51°F Wind: 8 mph S

Sampling Calibration: Methane - 500 ppm, Zero Air - 0.0 ppm

4/30/2026	8:15	ZERO	0.0	PPM
4/30/2026	8:15	SPAN	499.3	PPM

Background Reading:

4/30/2026	8:17	Upwind	0.0	PPM
4/30/2026	8:25	Downwind	0.0	PPM



SHEET TITLE		REVISION		DATE	
SEM ROUTE WITH BUFFER AREA					
PROJECT TITLE					
SURFACE EMISSIONS MONITORING					
SOLID WASTE PERMIT #588					
CLIENT		NO.			
CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY		1			
2655 VALLEY DRIVE BRISTOL, VA 24201		2			
SCS ENGINEERS		3			
STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC.		4			
15521 MIDLOTHIAN TRAIL, MIDLOTHIAN, VA 23113		5			
PH. (804) 378-7440 FAX. (804) 378-7433		6			
PROJ. NO. 02218208.04		7			
DWN. BY: C/A R/W BY: APP. BY:		8			
CHK. BY:		9			
FILE: 02218208.04		10			
DATE: 4/30/26		11			
SCALE: AS SHOWN		12			
DRAWING NO.		13			
1 of 1		14			



Appendix B

In-Waste Temperatures on Select Days in March

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Figure B - 1 Average Temperatures Recorded by TP-1 on April 1, 2026

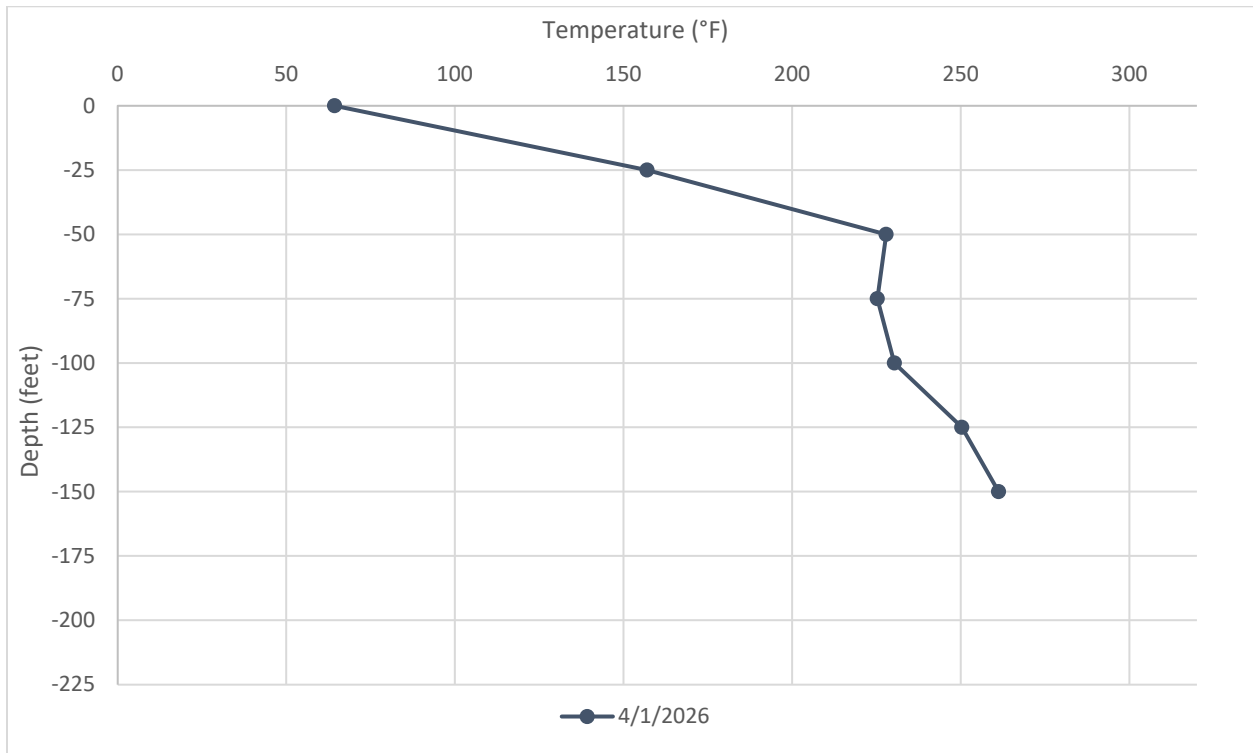


Figure B - 2 Average Temperatures Recorded by TP-1 on April 8, 2026

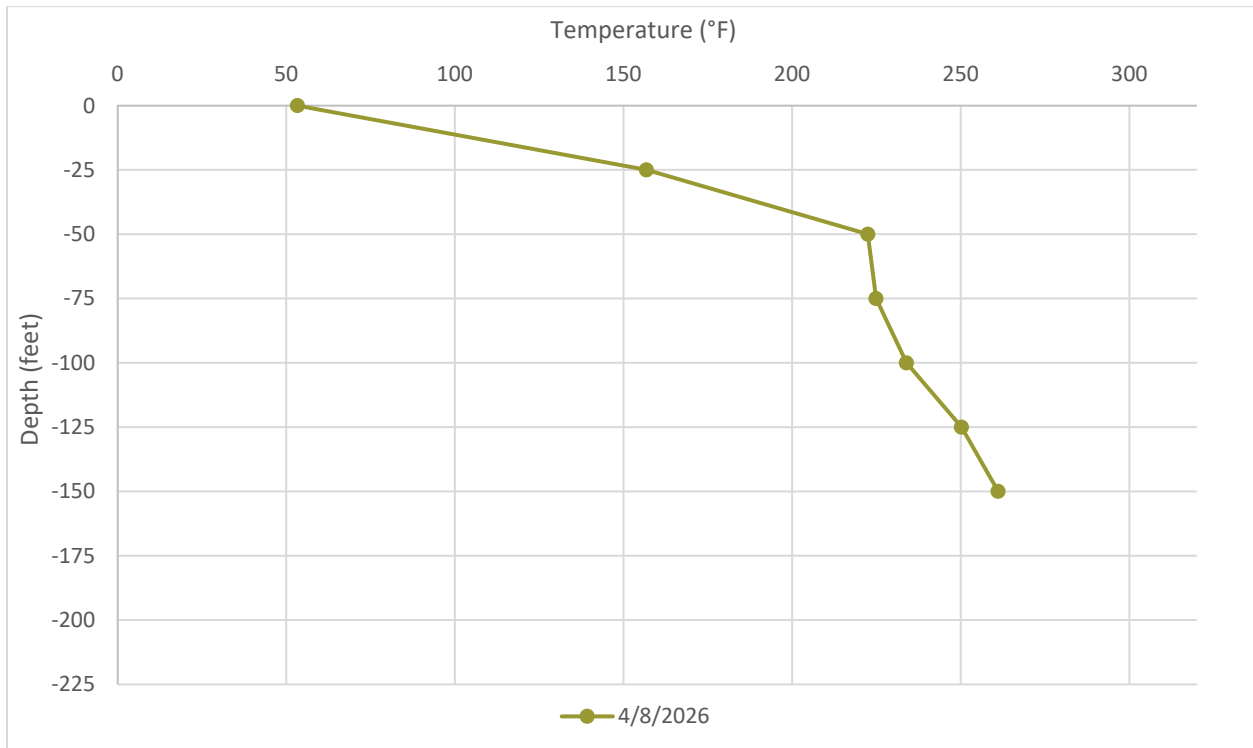


Figure B - 3 Average Temperatures Recorded by TP-1 on April 15, 2026

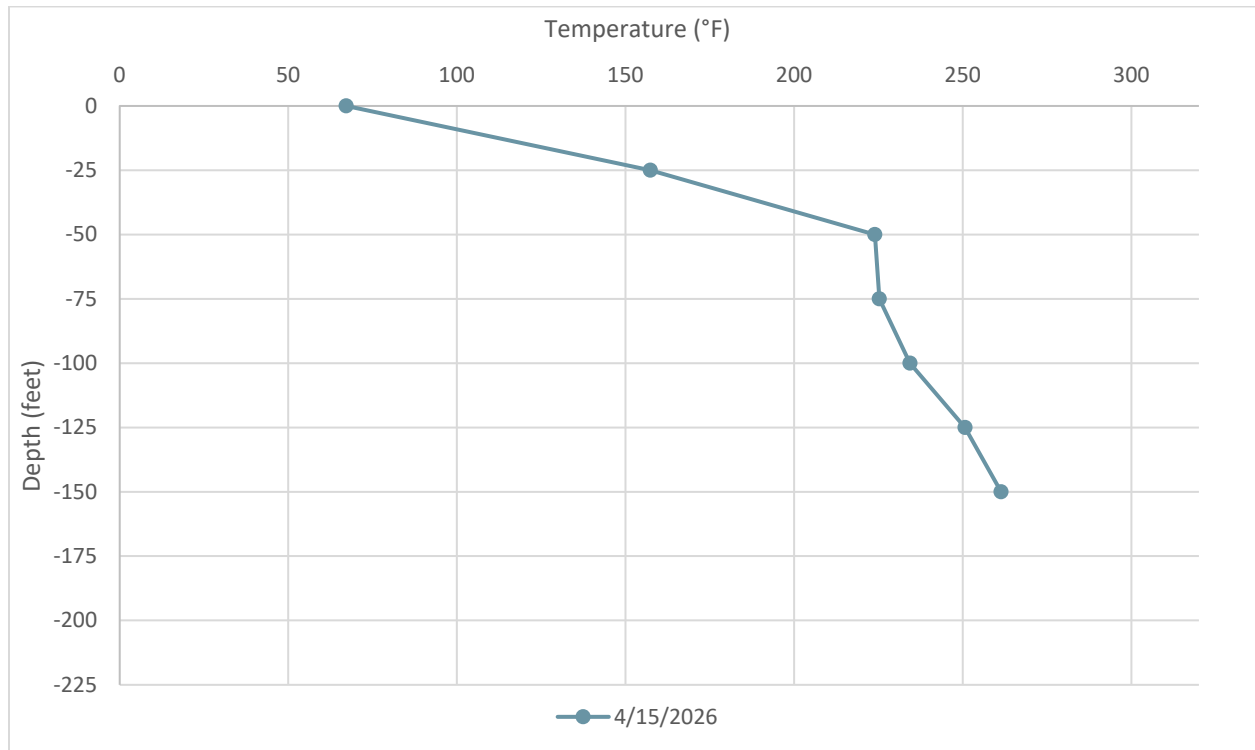


Figure B - 4 Average Temperatures Recorded by TP-1 on April 22, 2026

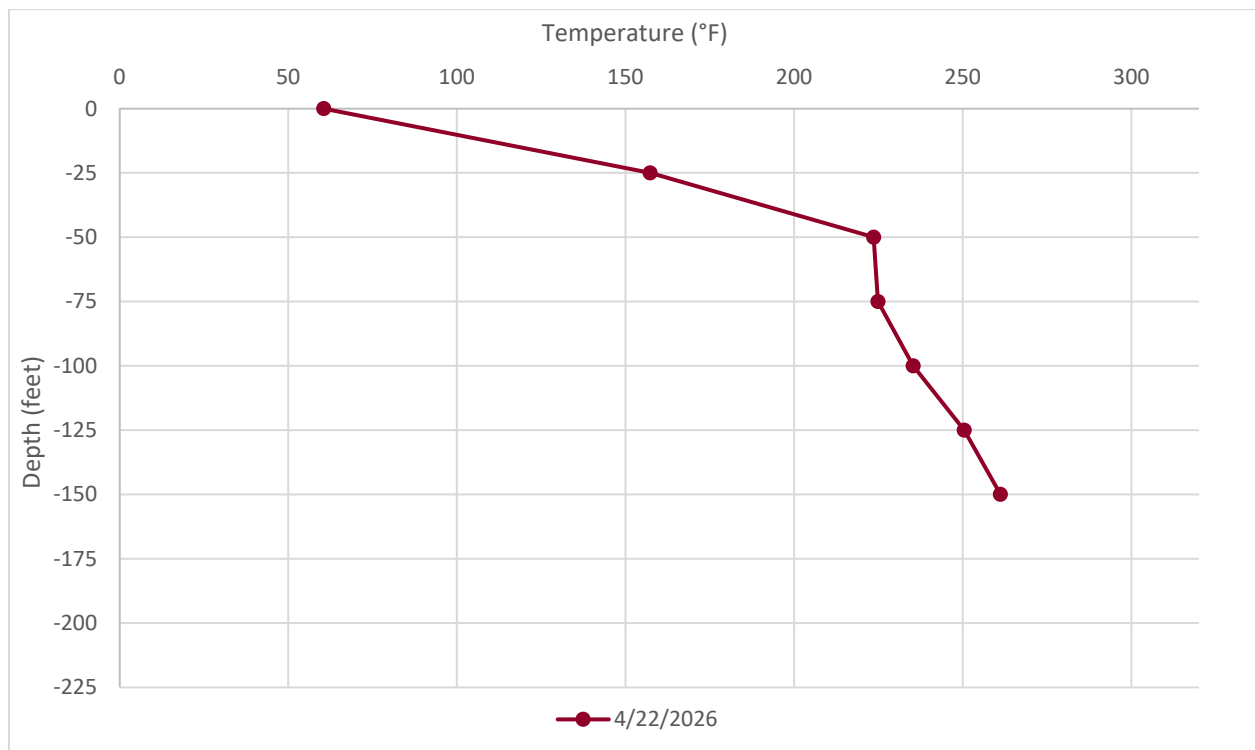


Figure B - 5 Average Temperatures Recorded by TP-1 on April 29, 2026

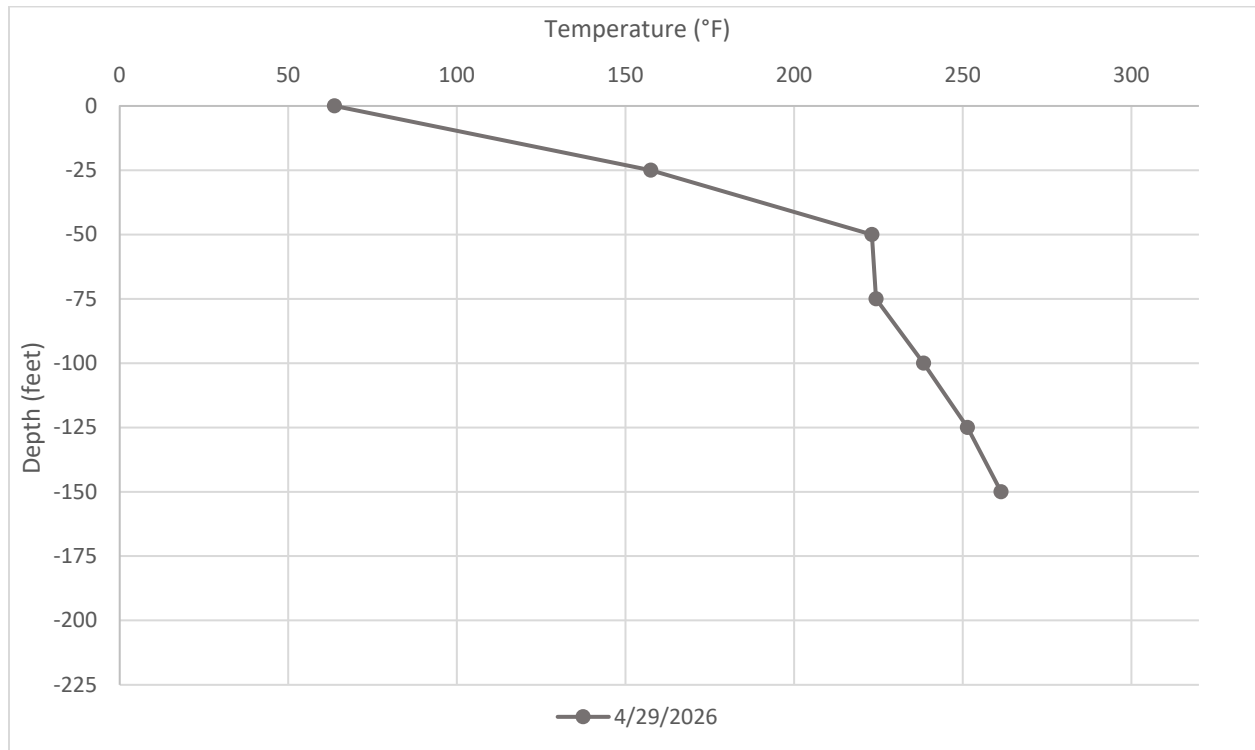


Figure B - 6 Average Temperatures Recorded by TP-5 on April 1, 2026

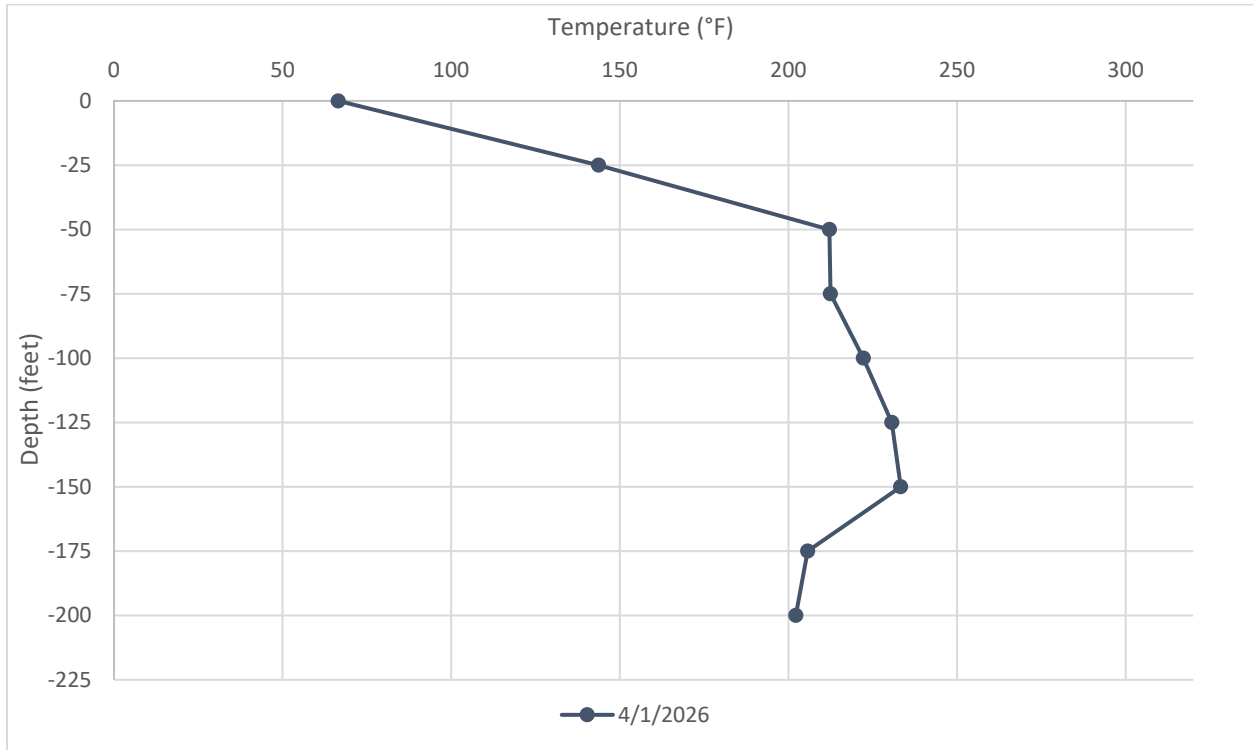


Figure B - 7 Average Temperatures Recorded by TP-5 on April 8, 2026

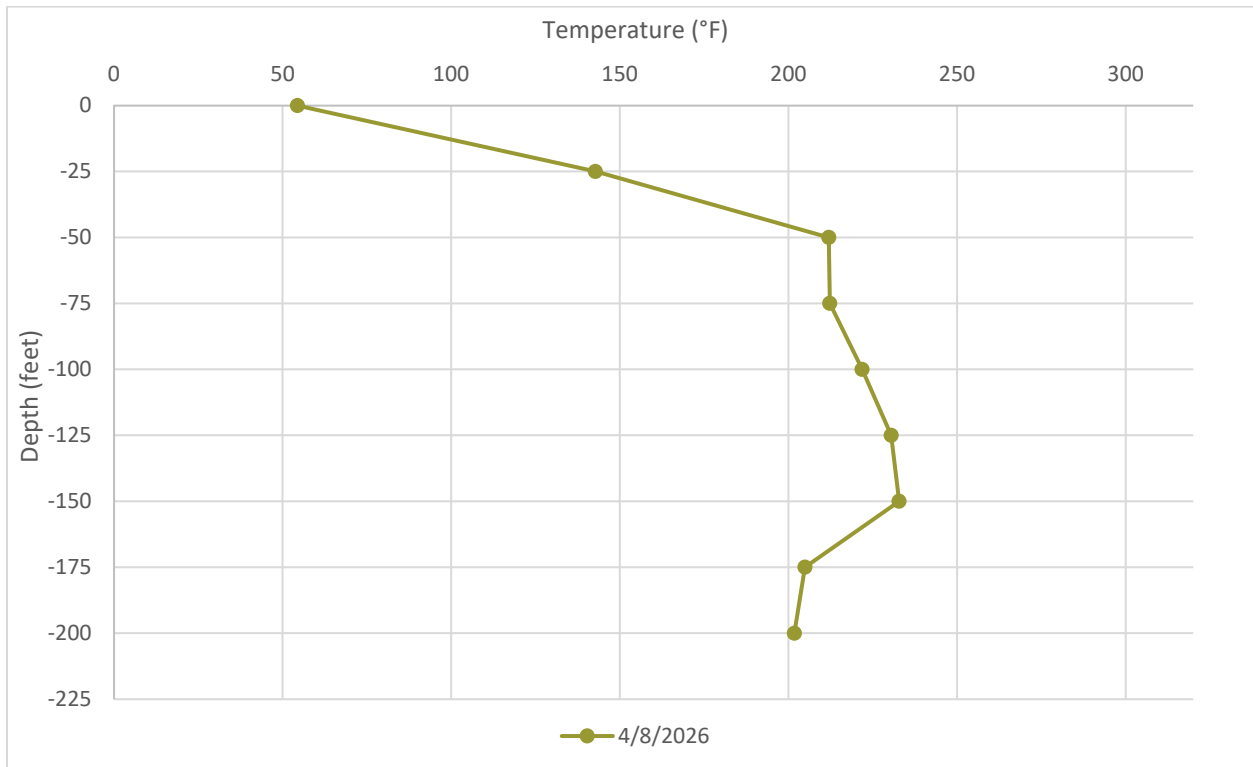


Figure B - 8 Average Temperatures Recorded by TP-5 on April 15, 2026

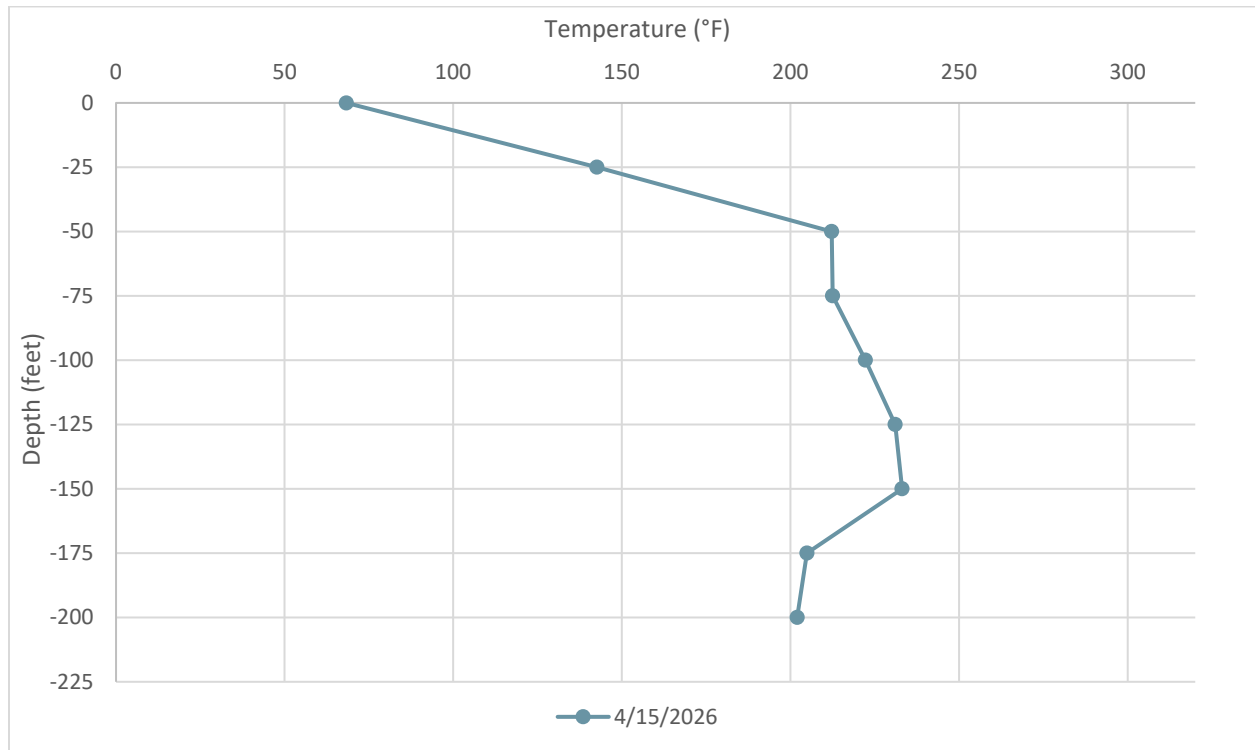


Figure B - 9 Average Temperatures Recorded by TP-5 on April 22, 2026

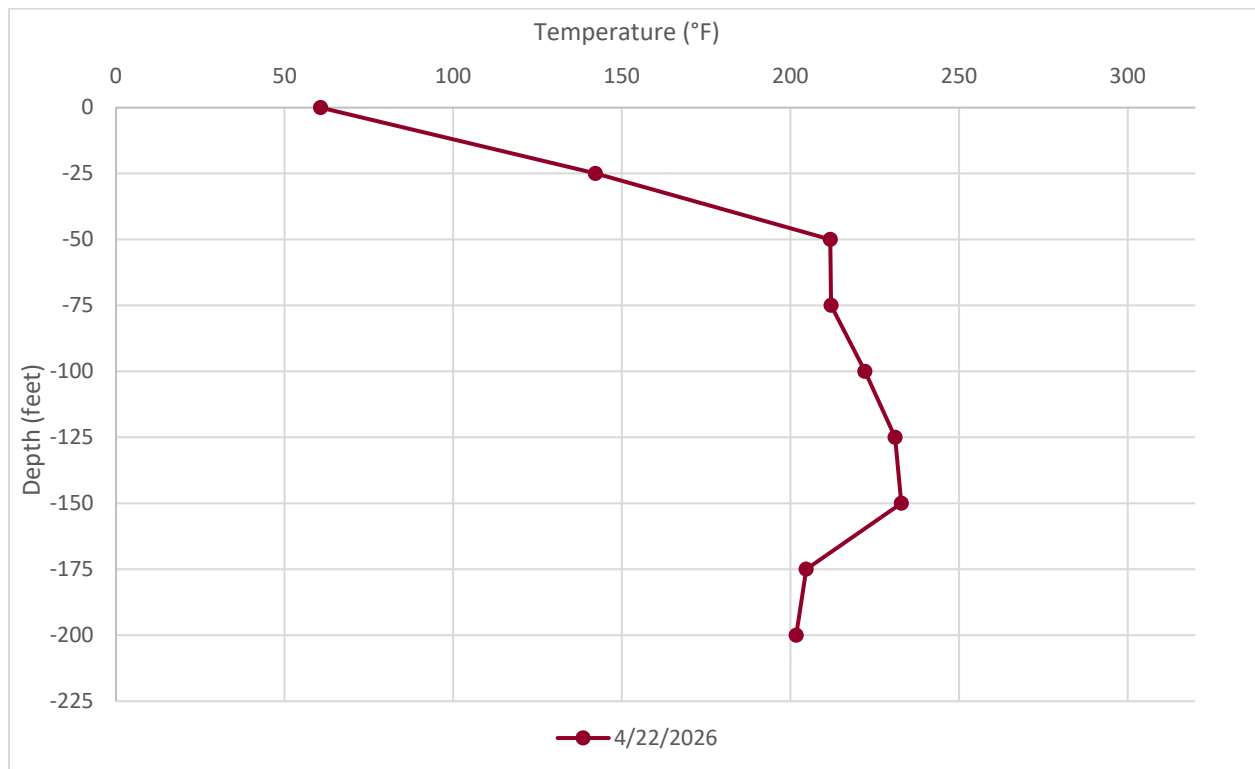


Figure B - 10 Average Temperatures Recorded by TP-5 on April 29, 2026

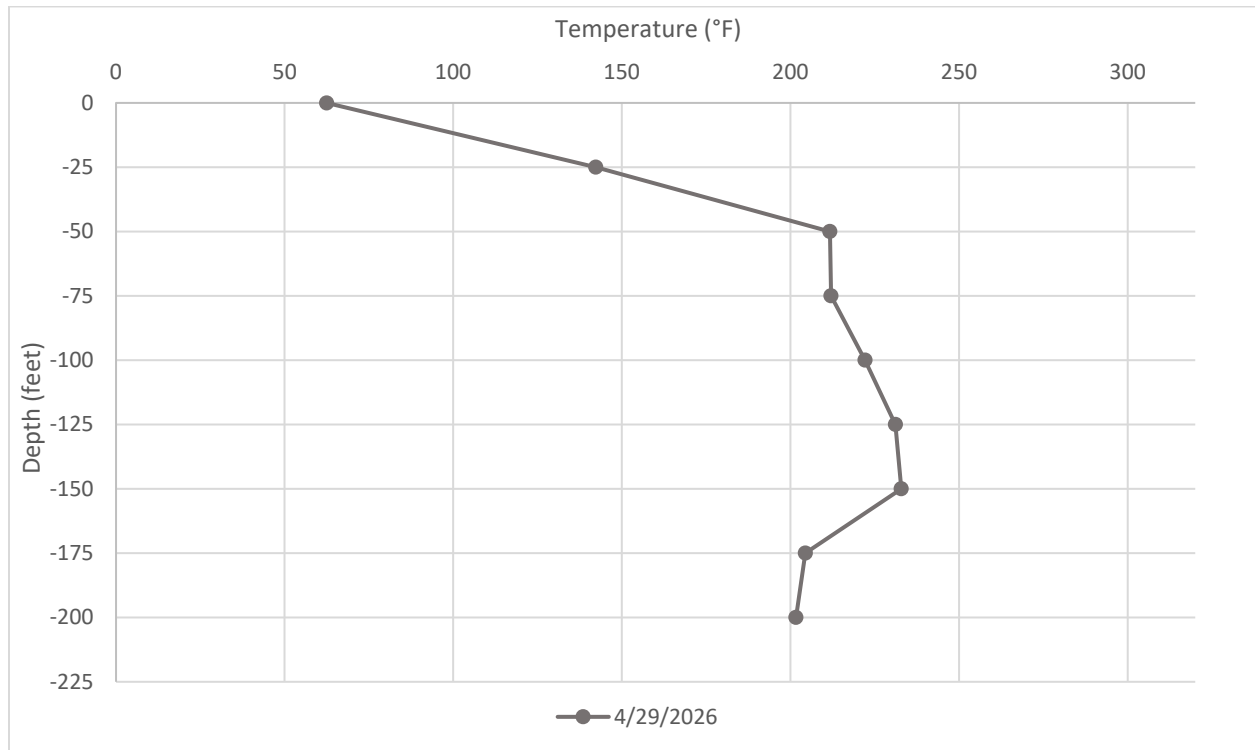


Figure B - 11 Average Temperatures Recorded by TP-6 on April 1, 2026

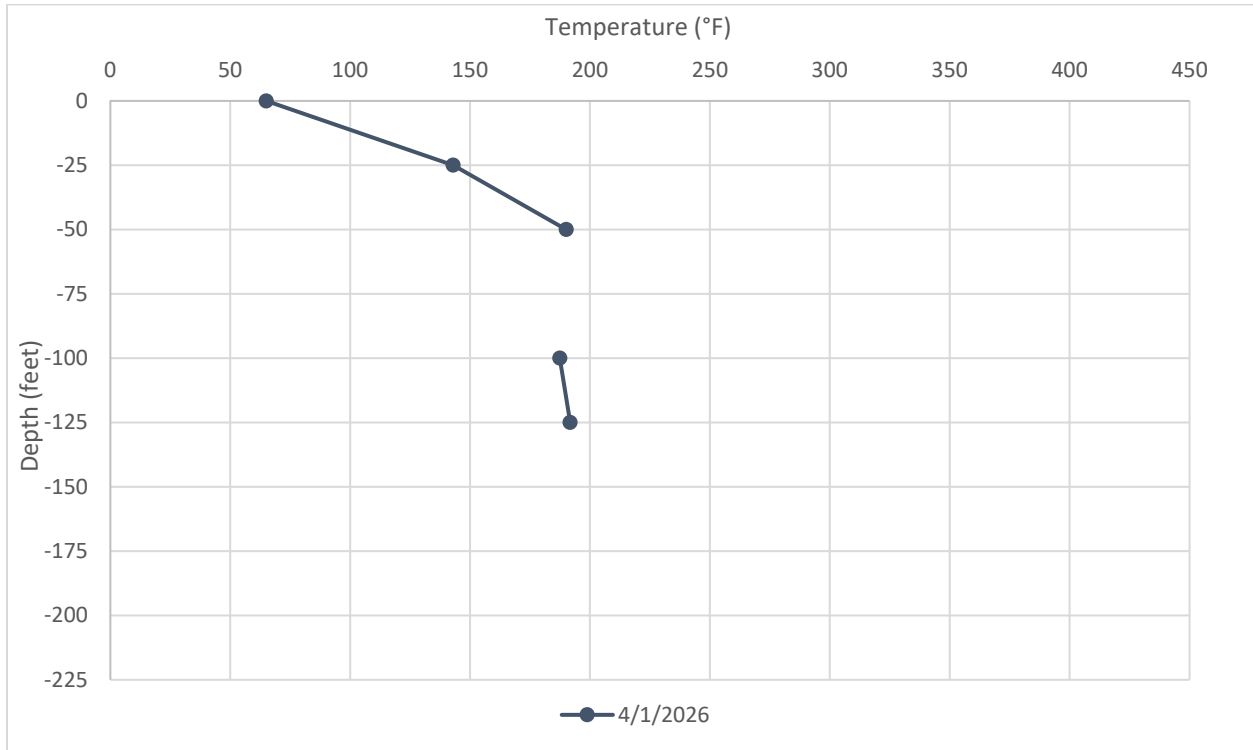


Figure B - 12 Average Temperatures Recorded by TP-6 on April 8, 2026

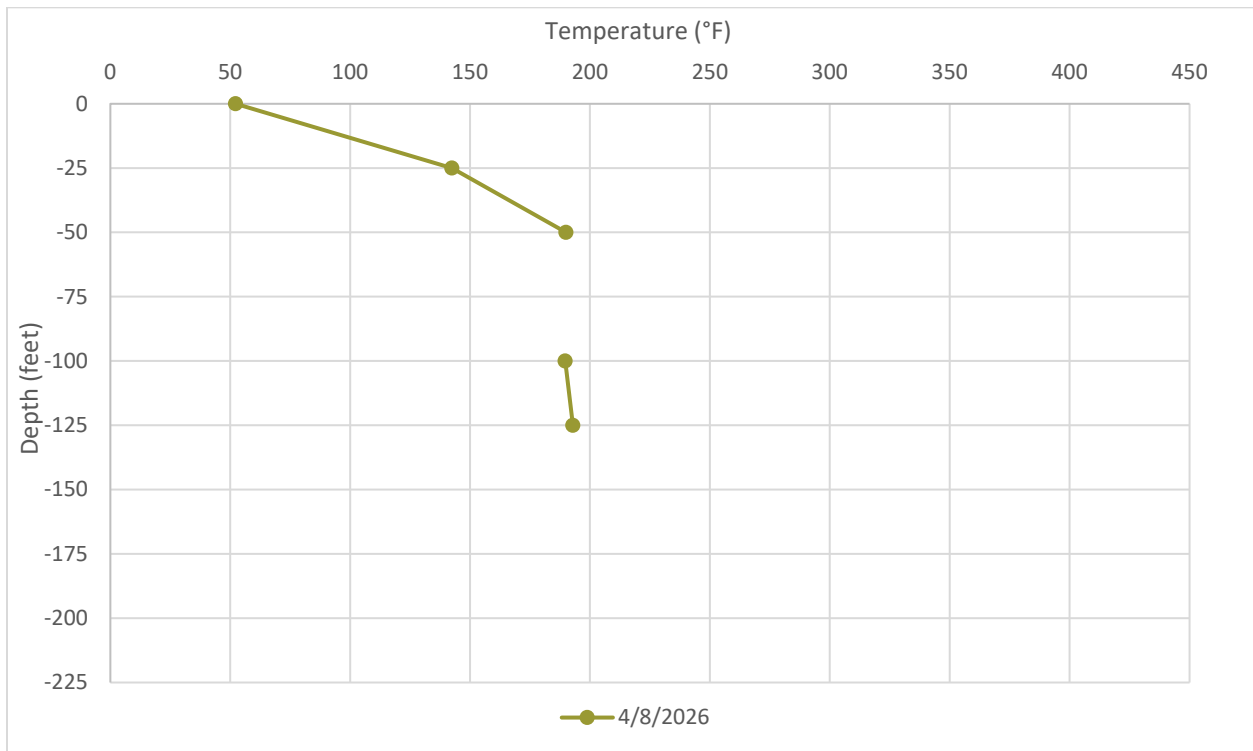


Figure B - 13 Average Temperatures Recorded by TP-6 on April 15, 2026

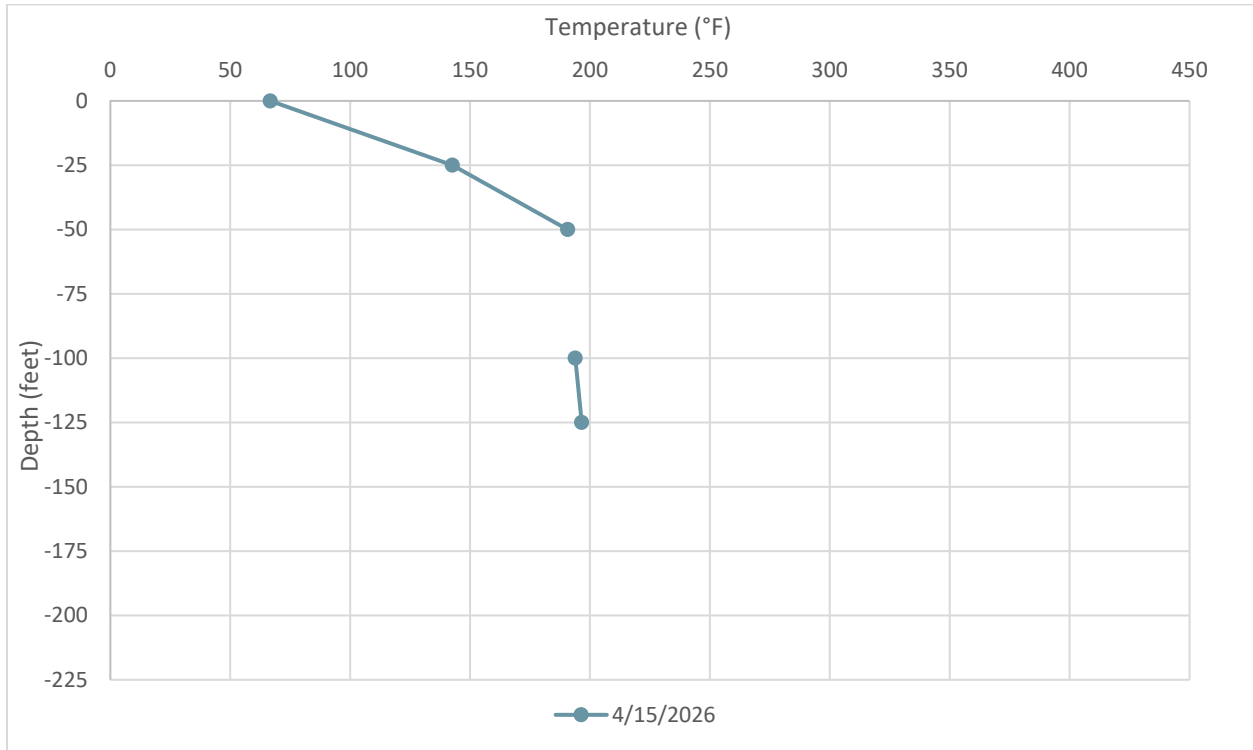


Figure B - 14 Average Temperatures Recorded by TP-6 on April 22, 2026

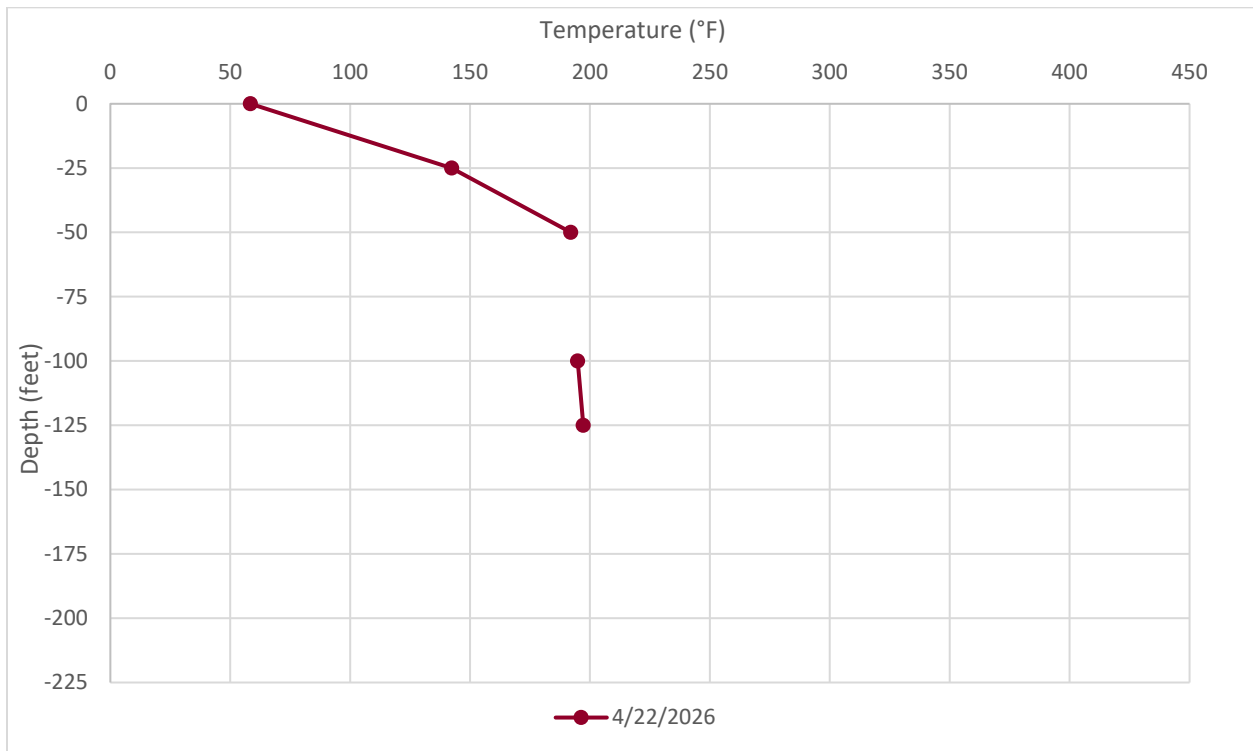


Figure B - 15 Average Temperatures Recorded by TP-6 on April 29, 2026

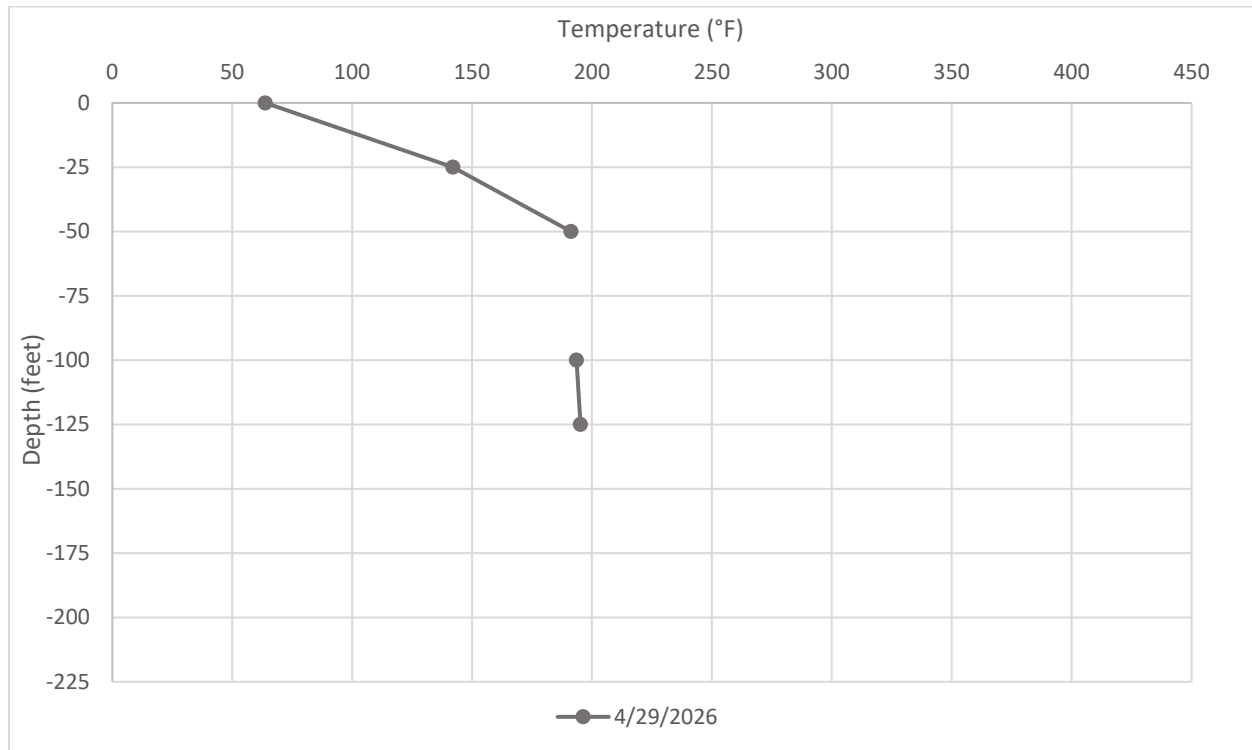


Figure B - 16 Average Temperatures Recorded by TP-8 on April 1, 2026

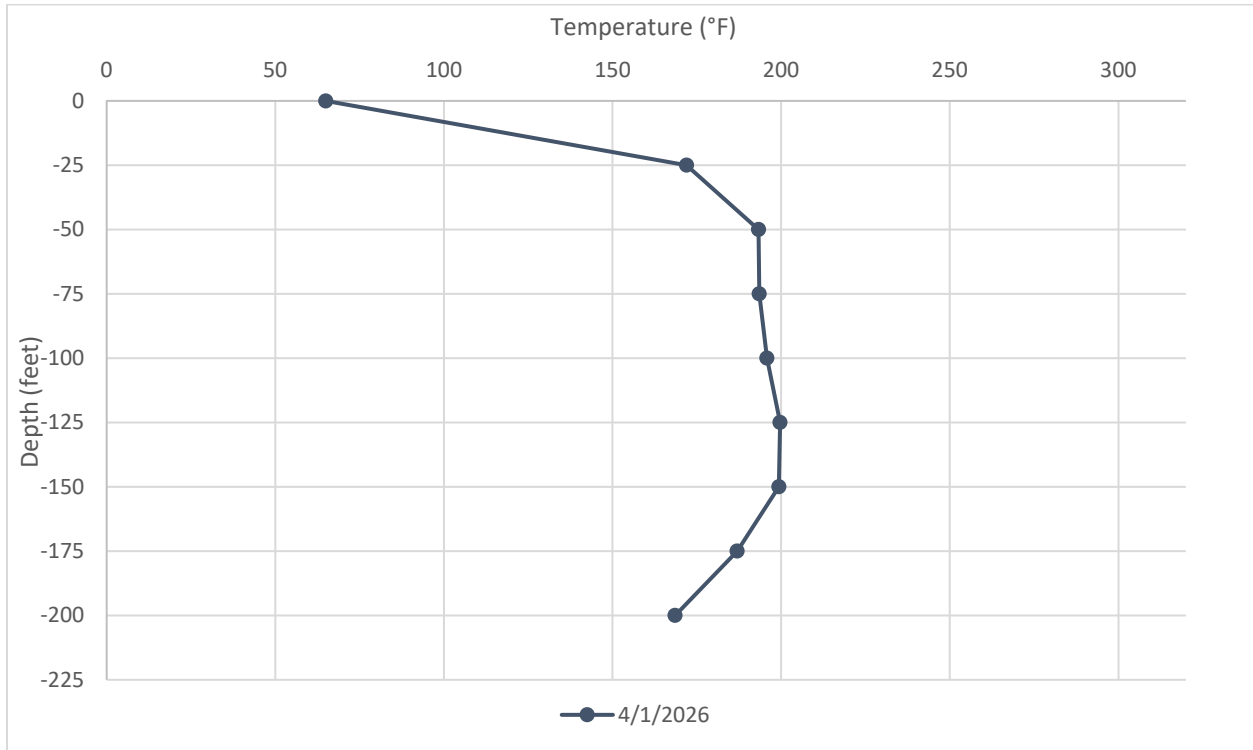


Figure B - 17 Average Temperatures Recorded by TP-8 on April 8, 2026

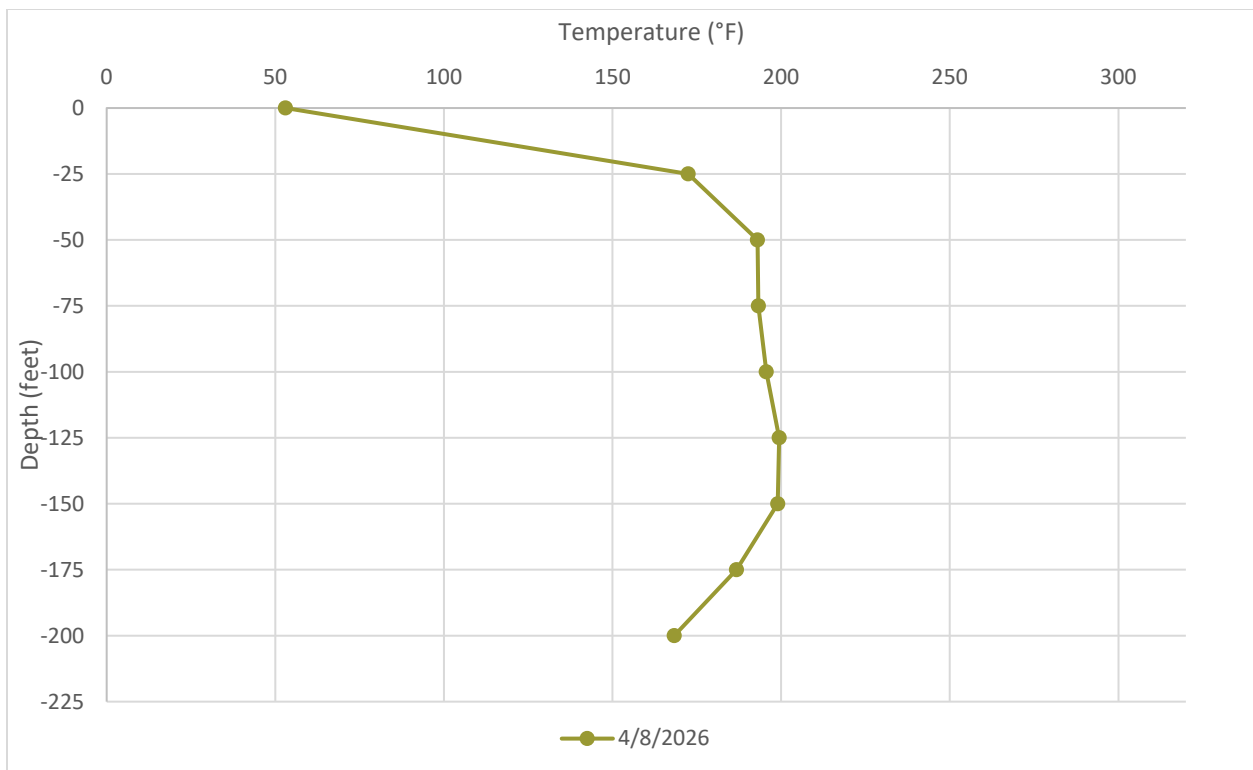


Figure B - 18 Average Temperatures Recorded by TP-8 on April 15, 2026

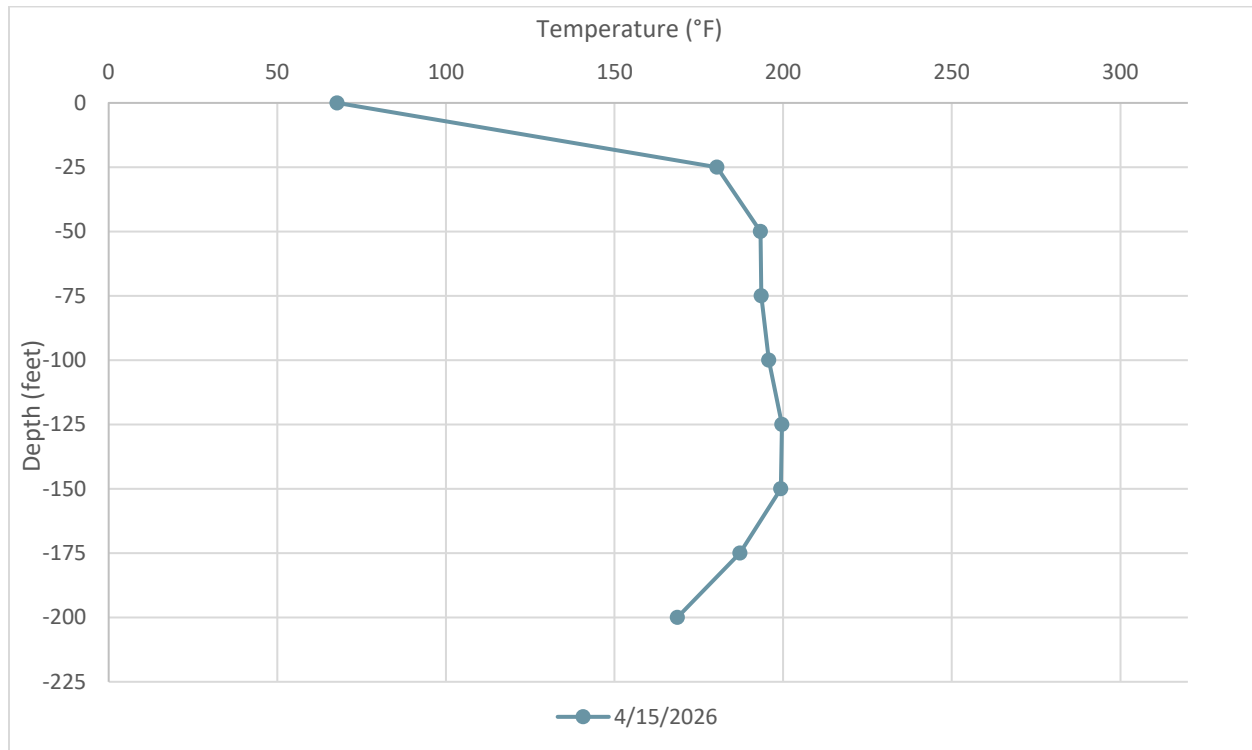


Figure B - 19 Average Temperatures Recorded by TP-8 on April 22, 2026

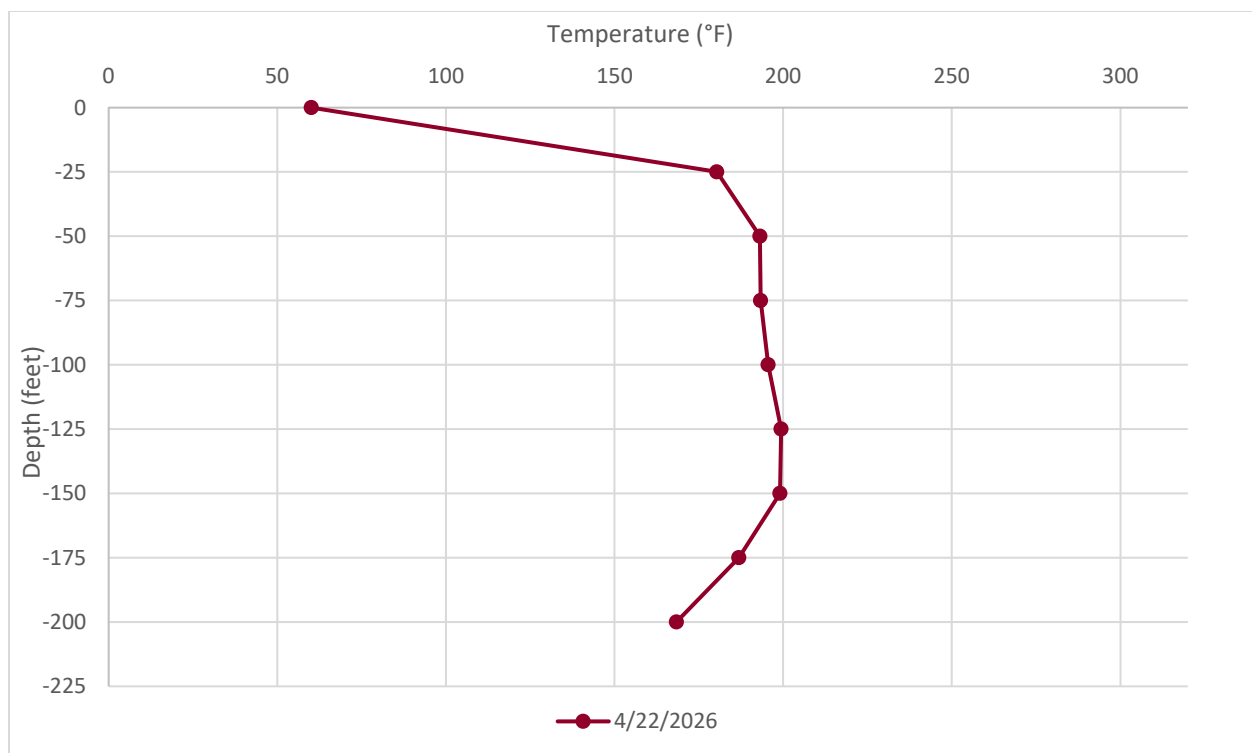


Figure B - 20 Average Temperatures Recorded by TP-8 on April 29, 2026

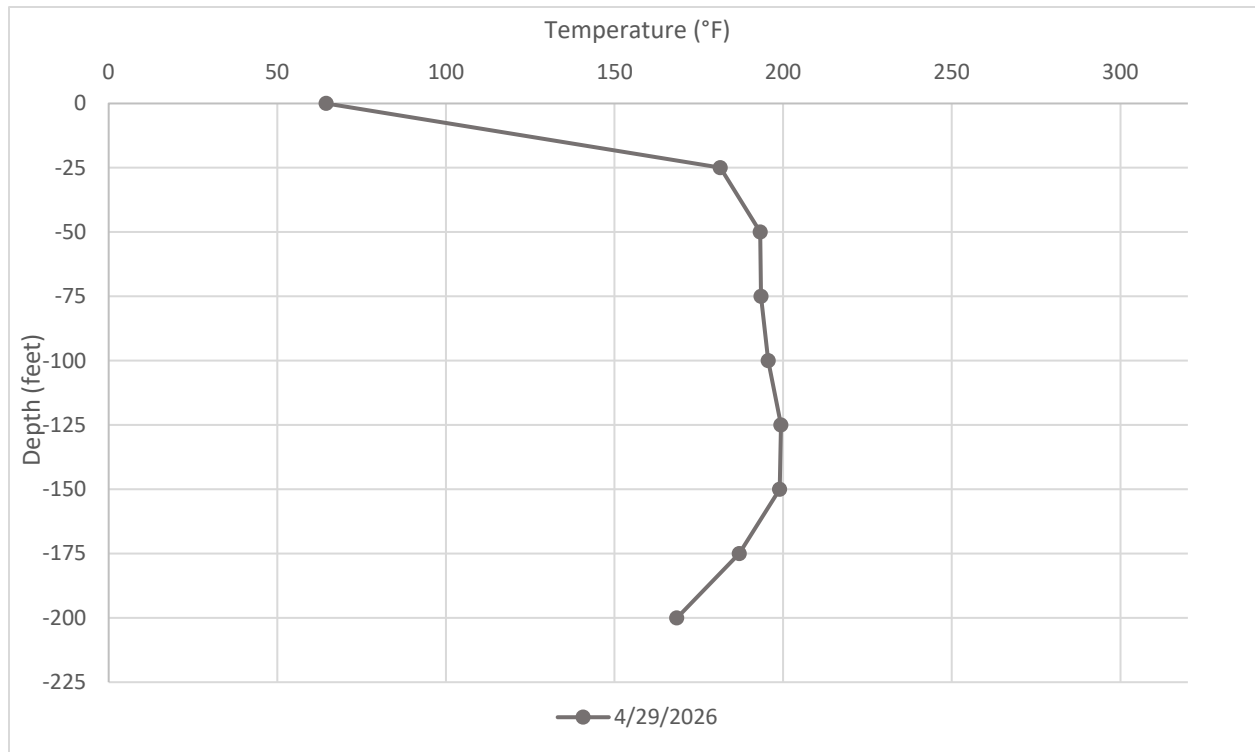


Figure B - 21 Average Temperatures Recorded by TP-9 on April 1, 2026

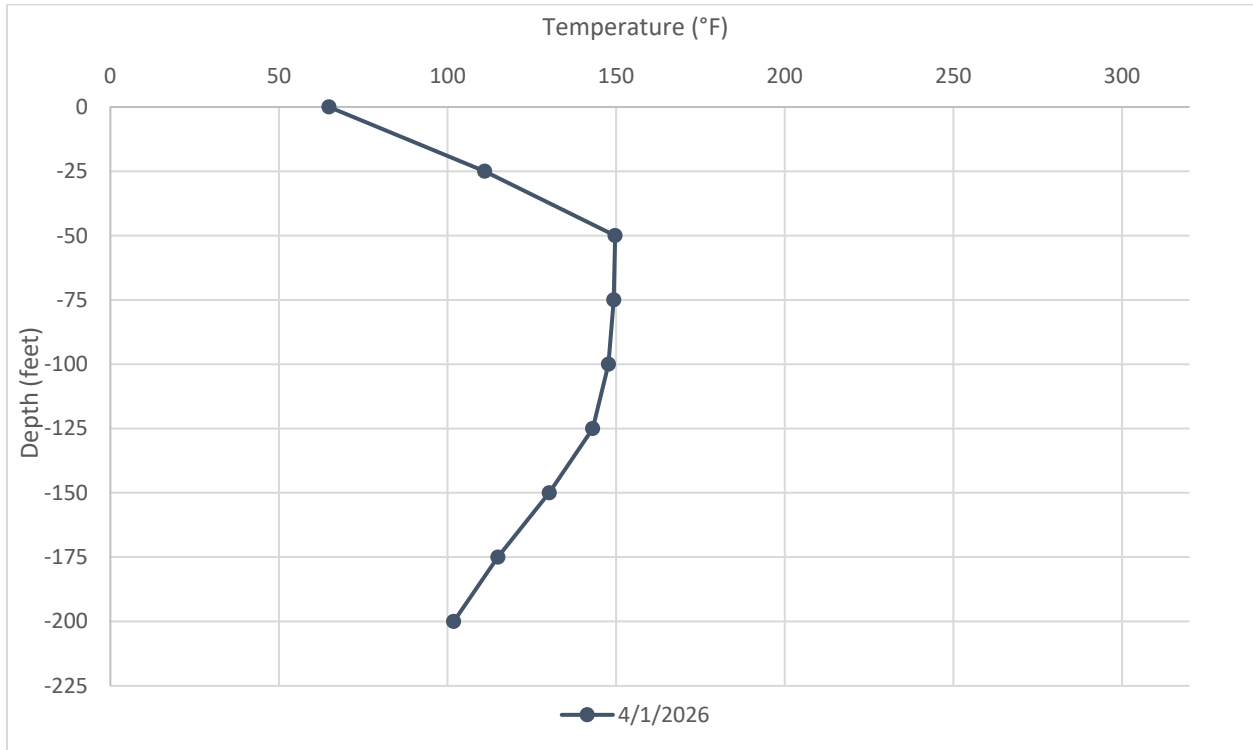


Figure B - 22 Average Temperatures Recorded by TP-9 on April 8, 2026

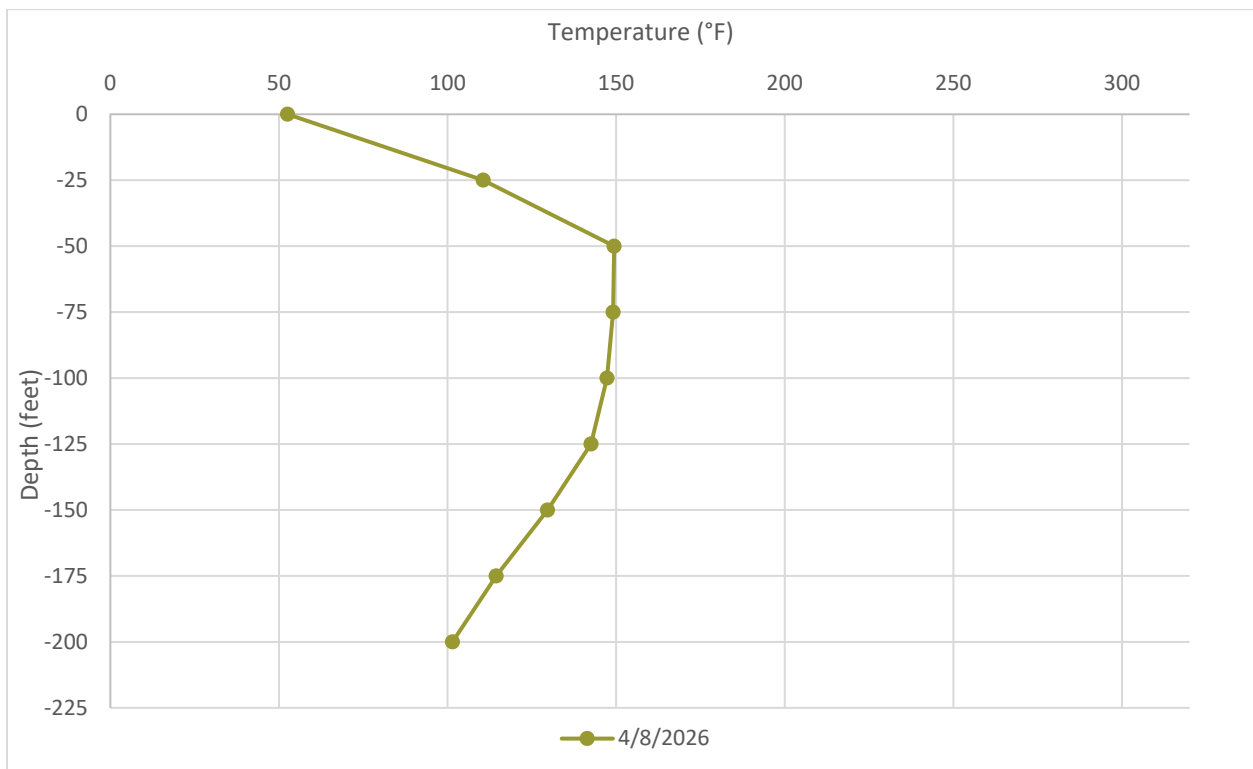


Figure B - 23 Average Temperatures Recorded by TP-9 on April 15, 2026

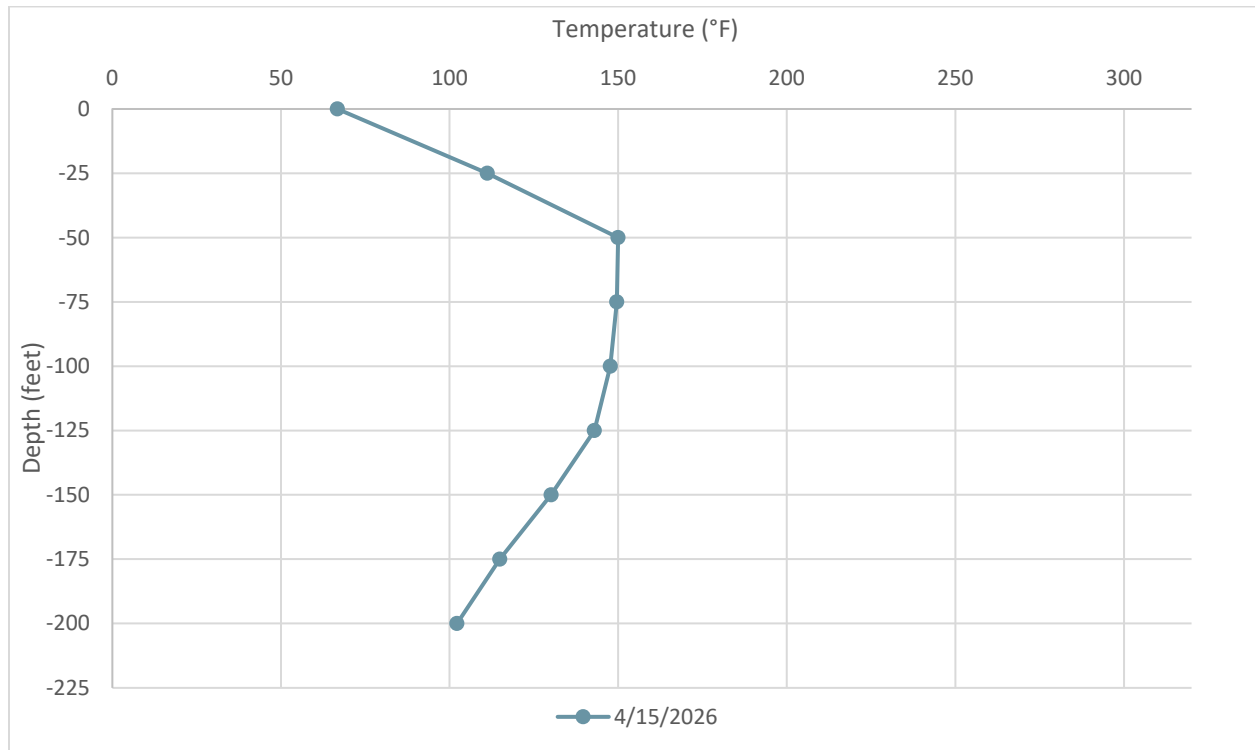


Figure B - 24 Average Temperatures Recorded by TP-9 on April 22, 2026

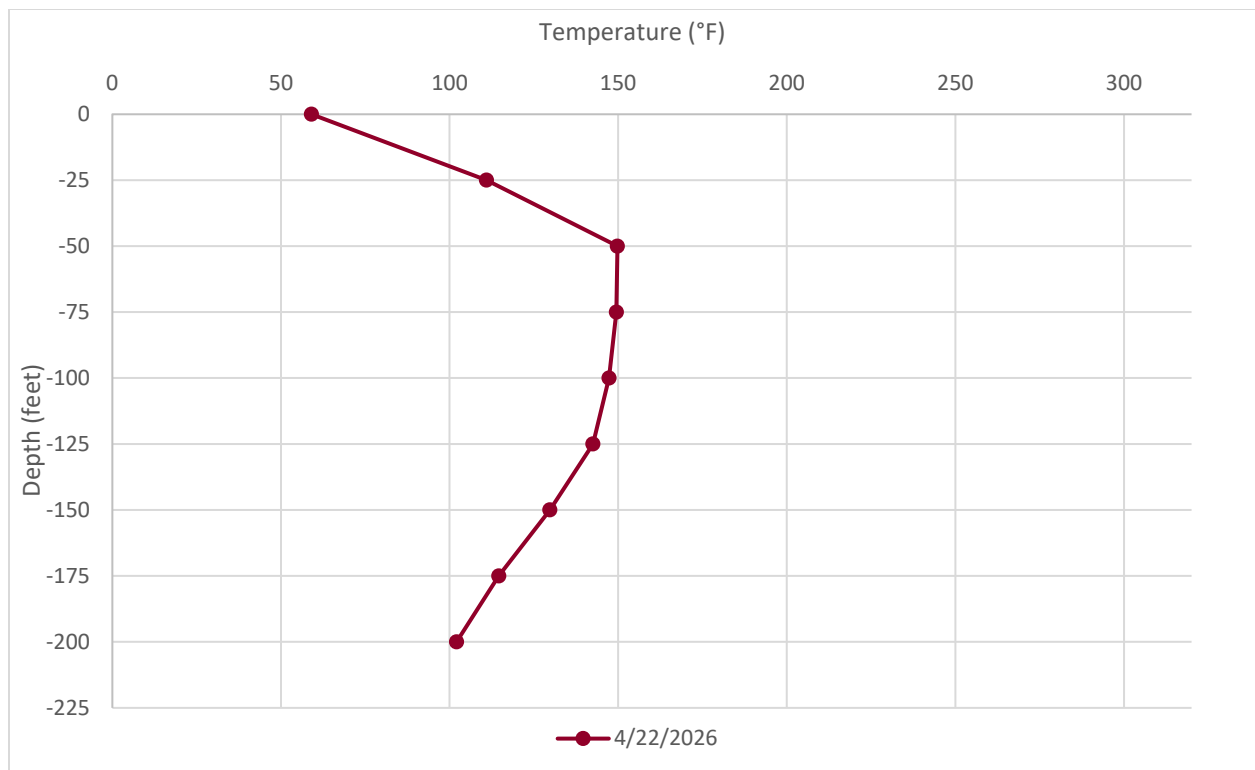
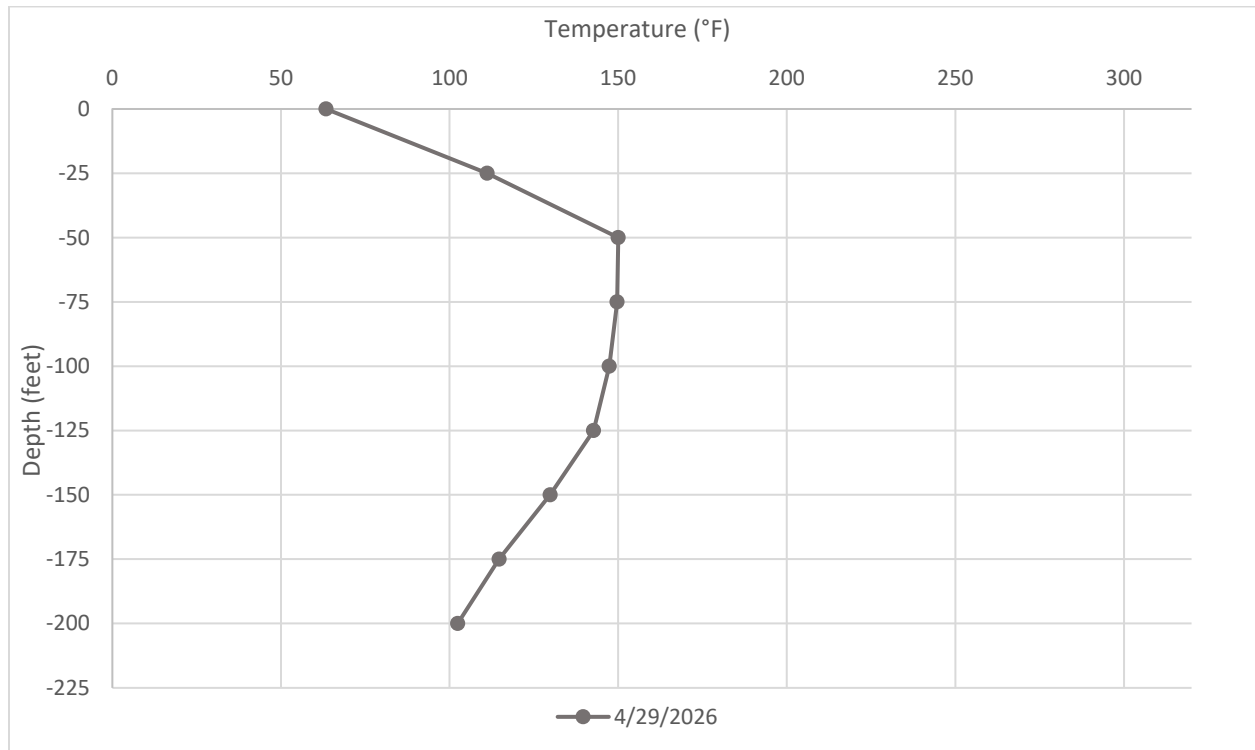


Figure B - 25 Average Temperatures Recorded by TP-9 on April 29, 2026





Appendix C

Daily Wellhead Temperature Averages

Solid Waste Permit 588 Daily Wellhead Temperature Averages

The data provided in this report represent initial readings provided by field instrumentation without Validation, analysis, quality assurance review, or context based on operating conditions. This report is subject to revision following quality assurance review and an analysis of operating conditions. SCS will continue to provide a supplemental report with additional information and further analysis on a monthly basis at a minimum.

SCS ENGINEERS

07222143.00 | May 4, 2026

274 Granite Run Drive
Lancaster, PA 17601
717-550-6330

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 32R

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	77.6	67.5	90.7
Apr 2	78.1	67.6	90.3
Apr 3	78.5	68.1	88.5
Apr 4	78.1	66.9	91.3
Apr 5	71.0	60.8	79.4
Apr 6	66.8	53.9	79.9
Apr 7	66.7	56.2	79.0
Apr 8	66.4	54.0	81.4
Apr 9	68.8	52.3	86.4
Apr 10	71.6	56.0	87.3
Apr 11	73.2	60.2	89.5
Apr 12	78.1	63.7	94.0
Apr 13	87.4	69.6	105.0
Apr 14	104.8	101.7	107.9
Apr 15	106.0	102.3	109.7
Apr 16	106.1	103.1	110.0
Apr 17	106.4	103.6	109.9
Apr 18	107.2	104.5	111.2
Apr 19	103.4	98.5	106.8
Apr 20	104.4	102.4	106.8
Apr 21	105.9	101.5	110.2
Apr 22	107.6	104.2	111.4
Apr 23	108.5	104.9	112.0
Apr 24	109.0	106.1	112.1
Apr 25	107.1	105.2	108.6
Apr 26	107.2	103.3	111.0
Apr 27	108.0	102.7	114.7
Apr 28	111.6	106.9	114.1
Apr 29	112.9	110.5	114.7
Summary	92.4	66.4	112.9

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 33B

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	71.6	55.1	94.4
Apr 2	72.0	55.1	95.9
Apr 3	73.6	56.1	89.8
Apr 4	71.6	55.6	95.5
Apr 5	62.4	50.5	74.8
Apr 6	56.9	40.8	76.5
Apr 7	57.4	42.8	75.5
Apr 8	59.1	42.1	80.8
Apr 9	64.3	42.3	90.9
Apr 10	65.6	43.4	88.7
Apr 11	67.6	47.0	94.6
Apr 12	73.5	54.2	97.6
Apr 13	71.8	62.1	83.0
Apr 14	71.1	51.8	92.1
Apr 15	75.0	53.6	99.9
Apr 16	74.0	57.1	93.4
Apr 17	73.0	58.0	94.9
Apr 18	74.0	52.6	96.4
Apr 19	56.8	43.7	72.0
Apr 20	55.5	38.8	76.7
Apr 21	60.5	36.9	86.5
Apr 22	67.6	46.0	90.4
Apr 23	70.9	47.5	95.7
Apr 24	72.7	52.9	93.1
Apr 25	62.1	54.0	74.7
Apr 26	70.0	54.9	93.1
Apr 27	69.5	52.0	93.3
Apr 28	66.3	53.5	81.0
Apr 29	67.9	59.4	85.5
Summary	67.4	55.5	75.0

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 36A

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	69.8	55.5	93.1
Apr 2	70.9	56.0	90.5
Apr 3	71.9	56.5	87.1
Apr 4	70.7	56.2	92.9
Apr 5	62.2	52.0	72.2
Apr 6	57.8	43.7	75.0
Apr 7	58.1	44.7	74.2
Apr 8	60.1	44.5	81.5
Apr 9	64.3	44.9	91.6
Apr 10	63.7	44.4	85.6
Apr 11	65.8	47.3	91.4
Apr 12	72.5	53.5	96.0
Apr 13	69.9	60.6	81.8
Apr 14	68.6	52.1	88.9
Apr 15	72.8	53.3	98.6
Apr 16	72.4	56.7	92.7
Apr 17	70.8	58.4	94.2
Apr 18	72.4	52.9	93.1
Apr 19	55.7	45.0	69.6
Apr 20	54.6	40.2	74.1
Apr 21	59.8	38.7	84.8
Apr 22	65.6	46.3	89.6
Apr 23	70.3	48.0	94.2
Apr 24	70.0	52.6	91.5
Apr 25	61.7	54.4	73.1
Apr 26	70.6	55.7	93.6
Apr 27	70.2	53.0	93.8
Apr 28	65.1	54.4	77.6
Apr 29	67.3	61.2	80.4
Summary	66.4	54.6	72.8

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 38

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	89.2	85.0	95.3
Apr 2	89.4	84.9	95.3
Apr 3	90.6	85.8	94.8
Apr 4	90.7	86.5	96.2
Apr 5	87.4	84.2	90.6
Apr 6	86.8	82.5	91.8
Apr 7	87.0	83.1	92.3
Apr 8	86.6	82.4	93.3
Apr 9	85.8	78.9	95.2
Apr 10	86.9	79.9	93.8
Apr 11	87.2	81.1	95.7
Apr 12	89.6	83.6	96.9
Apr 13	88.9	86.2	92.2
Apr 14	88.6	82.9	94.7
Apr 15	89.8	83.7	97.6
Apr 16	88.9	83.6	96.2
Apr 17	90.1	86.0	96.8
Apr 18	90.6	84.0	97.1
Apr 19	84.3	78.3	89.6
Apr 20	85.3	80.8	91.3
Apr 21	87.1	79.8	95.2
Apr 22	89.2	83.0	96.7
Apr 23	90.3	83.7	97.9
Apr 24	91.1	85.6	97.4
Apr 25	88.3	85.8	92.1
Apr 26	90.6	86.3	98.4
Apr 27	90.4	84.2	98.3
Apr 28	89.1	83.2	93.7
Apr 29	90.5	87.4	95.5
Summary	88.6	84.3	91.1

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 42

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	121.7	120.5	123.3
Apr 2	121.7	120.5	123.9
Apr 3	121.9	120.7	123.3
Apr 4	122.0	120.7	123.9
Apr 5	120.7	119.3	121.7
Apr 6	120.5	119.2	122.4
Apr 7	120.8	119.3	122.2
Apr 8	120.6	118.5	122.7
Apr 9	120.1	118.1	123.0
Apr 10	120.1	118.2	122.3
Apr 11	120.4	118.3	123.1
Apr 12	120.8	119.1	123.3
Apr 13	120.0	119.5	121.0
Apr 14	119.9	118.3	121.9
Apr 15	120.4	118.3	123.1
Apr 16	119.7	117.2	121.7
Apr 17	120.0	118.4	122.4
Apr 18	120.1	118.1	122.3
Apr 19	117.7	115.1	119.7
Apr 20	118.0	117.0	120.3
Apr 21	118.6	116.0	121.4
Apr 22	119.5	117.6	122.0
Apr 23	120.0	117.7	122.4
Apr 24	120.2	118.6	122.4
Apr 25	119.0	117.6	120.2
Apr 26	119.8	117.9	122.2
Apr 27	119.8	117.9	122.7
Apr 28	119.2	116.8	121.3
Apr 29	119.6	118.1	121.1
Summary	120.1	117.7	122.0

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 47

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	68.9	54.5	91.5
Apr 2	70.4	55.8	90.9
Apr 3	70.5	55.6	86.1
Apr 4	69.9	55.3	89.9
Apr 5	61.6	50.0	71.7
Apr 6	56.2	41.5	73.5
Apr 7	55.9	42.7	72.3
Apr 8	58.2	43.0	77.5
Apr 9	61.7	43.8	86.8
Apr 10	61.5	41.1	83.8
Apr 11	64.4	46.8	89.8
Apr 12	71.9	54.2	93.8
Apr 13	69.2	59.7	80.0
Apr 14	67.7	50.6	86.2
Apr 15	71.3	53.9	95.7
Apr 16	72.2	57.0	91.4
Apr 17	70.2	58.9	91.3
Apr 18	72.0	53.0	92.1
Apr 19	55.8	44.9	67.1
Apr 20	54.6	40.2	72.8
Apr 21	59.8	39.0	83.4
Apr 22	65.1	46.0	88.5
Apr 23	68.0	47.9	92.0
Apr 24	69.4	52.5	90.8
Apr 25	61.4	53.5	73.2
Apr 26	68.5	56.2	91.3
Apr 27	68.8	52.8	92.8
Apr 28	64.8	54.7	79.6
Apr 29	67.0	59.6	79.3
Summary	65.4	54.6	72.2

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 48

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	66.9	51.7	87.0
Apr 2	68.7	52.7	89.0
Apr 3	69.1	52.4	86.6
Apr 4	68.0	51.9	88.8
Apr 5	59.7	46.2	69.3
Apr 6	53.3	36.8	71.0
Apr 7	53.0	38.7	70.5
Apr 8	55.7	39.8	75.2
Apr 9	60.1	39.7	83.6
Apr 10	61.3	39.7	81.8
Apr 11	62.7	43.6	86.6
Apr 12	70.7	50.8	92.6
Apr 13	68.5	57.8	82.5
Apr 14	65.9	49.4	86.1
Apr 15	70.2	49.7	93.5
Apr 16	70.2	53.4	89.1
Apr 17	69.0	55.6	90.3
Apr 18	71.8	49.4	93.2
Apr 19	53.4	39.3	67.1
Apr 20	51.5	34.8	73.3
Apr 21	56.2	33.6	81.1
Apr 22	63.0	41.6	86.3
Apr 23	65.9	44.3	90.9
Apr 24	68.7	49.6	88.5
Apr 25	60.5	51.3	73.3
Apr 26	67.7	54.5	89.1
Apr 27	67.3	49.6	91.7
Apr 28	63.8	53.0	78.6
Apr 29	66.0	59.2	78.7
Summary	63.8	51.5	71.8

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 49

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	154.2	153.0	155.1
Apr 2	154.7	153.8	155.5
Apr 3	154.9	154.2	155.6
Apr 4	155.3	154.4	156.1
Apr 5	154.2	152.4	156.2
Apr 6	154.2	152.9	155.3
Apr 7	154.0	153.1	154.7
Apr 8	152.0	115.0	154.8
Apr 9	154.6	150.7	157.0
Apr 10	154.9	153.2	156.5
Apr 11	155.4	154.1	156.8
Apr 12	155.9	154.7	157.1
Apr 13	155.3	153.6	156.5
Apr 14	155.2	154.0	156.3
Apr 15	155.8	154.2	158.5
Apr 16	155.4	147.6	157.1
Apr 17	155.3	153.5	158.1
Apr 18	156.8	155.2	158.3
Apr 19	153.9	151.5	157.0
Apr 20	154.5	153.2	155.3
Apr 21	155.2	152.5	157.2
Apr 22	155.9	154.0	157.7
Apr 23	156.6	154.9	158.1
Apr 24	156.9	155.5	157.8
Apr 25	156.9	155.8	157.7
Apr 26	156.4	153.7	158.1
Apr 27	155.5	153.8	158.6
Apr 28	155.5	150.6	157.3
Apr 29	156.5	154.6	158.0
Summary	155.2	152.0	156.9

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 50

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	95.9	92.8	100.2
Apr 2	96.3	92.4	102.8
Apr 3	96.8	93.4	100.3
Apr 4	96.0	92.8	99.7
Apr 5	93.1	90.2	95.2
Apr 6	93.1	88.2	97.1
Apr 7	93.0	89.8	96.6
Apr 8	92.7	88.5	98.7
Apr 9	92.6	86.6	99.6
Apr 10	92.5	86.1	98.5
Apr 11	93.0	87.8	99.2
Apr 12	94.6	89.7	101.0
Apr 13	93.2	90.5	95.6
Apr 14	92.7	87.4	98.0
Apr 15	94.3	88.5	103.1
Apr 16	93.7	88.7	99.5
Apr 17	94.2	90.4	100.8
Apr 18	94.9	89.1	100.4
Apr 19	88.3	82.7	93.3
Apr 20	89.8	86.4	96.1
Apr 21	91.6	84.3	99.0
Apr 22	93.4	87.9	99.0
Apr 23	94.3	87.8	100.7
Apr 24	95.1	89.4	100.6
Apr 25	91.4	89.2	94.4
Apr 26	93.5	89.0	100.2
Apr 27	93.7	87.6	100.9
Apr 28	92.9	85.8	100.0
Apr 29	94.0	89.6	98.0
Summary	93.5	88.3	96.8

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 51

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	67.2	51.7	90.6
Apr 2	69.3	53.6	91.2
Apr 3	68.7	52.9	85.5
Apr 4	68.5	52.6	91.4
Apr 5	59.0	46.9	70.6
Apr 6	52.6	36.9	69.0
Apr 7	52.7	38.8	69.7
Apr 8	55.7	40.8	75.7
Apr 9	59.1	41.0	83.9
Apr 10	60.1	39.4	81.8
Apr 11	63.7	43.8	87.6
Apr 12	70.7	52.5	92.6
Apr 13	67.5	57.6	78.8
Apr 14	65.9	48.7	83.7
Apr 15	69.0	50.3	92.0
Apr 16	70.0	53.6	90.8
Apr 17	67.8	56.1	87.8
Apr 18	71.1	49.2	89.6
Apr 19	52.8	41.9	66.4
Apr 20	50.8	34.9	69.2
Apr 21	56.7	33.8	81.8
Apr 22	62.7	42.0	85.6
Apr 23	65.8	44.1	91.3
Apr 24	67.4	49.5	90.5
Apr 25	59.7	51.1	72.1
Apr 26	66.3	53.9	87.2
Apr 27	66.5	50.6	89.3
Apr 28	62.8	52.6	75.8
Apr 29	65.0	56.8	75.6
Summary	63.3	50.8	71.1

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 52

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	177.6	167.0	189.3
Apr 2	178.2	168.8	190.3
Apr 3	169.0	165.9	173.2
Apr 4	165.2	163.0	168.5
Apr 5	160.2	158.0	162.5
Apr 6	171.6	157.0	186.2
Apr 7	174.9	162.7	187.7
Apr 8	174.3	166.1	189.7
Apr 9	176.0	165.7	186.2
Apr 10	170.4	165.1	175.2
Apr 11	164.2	161.7	167.9
Apr 12	162.3	159.3	167.3
Apr 13	158.7	157.2	160.9
Apr 14	157.2	155.8	159.9
Apr 15	157.2	154.8	162.5
Apr 16	166.4	155.4	184.1
Apr 17	167.9	158.5	188.5
Apr 18	166.0	163.0	169.3
Apr 19	158.2	156.4	161.1
Apr 20	163.4	155.1	184.2
Apr 21	171.3	161.8	185.3
Apr 22	175.5	161.6	187.9
Apr 23	171.2	99.8	193.7
Apr 24	188.2	185.1	194.2
Apr 25	186.3	184.9	187.3
Apr 26	188.4	185.8	194.3
Apr 27	188.7	186.1	194.6
Apr 28	188.7	185.9	191.7
Apr 29	189.0	188.1	190.6
Summary	171.9	157.2	189.0

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 53

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	122.0	115.0	132.6
Apr 2	122.0	113.0	133.2
Apr 3	123.2	115.2	130.1
Apr 4	123.2	112.3	133.7
Apr 5	110.6	100.6	123.2
Apr 6	107.8	97.4	118.6
Apr 7	107.8	98.2	119.4
Apr 8	107.5	95.5	122.5
Apr 9	112.2	95.4	132.6
Apr 10	113.6	99.3	128.0
Apr 11	116.3	103.7	131.5
Apr 12	121.3	110.5	133.6
Apr 13	120.6	115.9	124.8
Apr 14	119.5	102.0	130.6
Apr 15	123.6	112.4	135.0
Apr 16	123.9	113.7	133.9
Apr 17	123.6	116.8	134.3
Apr 18	124.6	111.8	135.1
Apr 19	110.2	96.2	122.6
Apr 20	112.4	103.0	122.6
Apr 21	118.2	102.7	133.8
Apr 22	123.6	111.2	136.0
Apr 23	127.2	114.6	139.8
Apr 24	129.1	118.7	140.7
Apr 25	124.8	116.8	132.9
Apr 26	127.6	116.2	142.0
Apr 27	125.8	111.7	141.8
Apr 28	124.9	108.3	132.8
Apr 29	129.3	120.1	133.7
Summary	119.9	107.5	129.3

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 54

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	67.8	53.3	87.3
Apr 2	69.7	54.5	90.6
Apr 3	69.8	54.6	85.5
Apr 4	69.2	54.1	90.0
Apr 5	60.4	49.1	69.2
Apr 6	54.1	39.0	67.7
Apr 7	54.5	40.5	69.8
Apr 8	56.7	40.9	74.9
Apr 9	67.1	41.6	120.5
Apr 10	67.3	41.8	108.3
Apr 11	67.2	48.6	90.7
Apr 12	73.7	55.2	94.1
Apr 13	70.9	62.5	81.4
Apr 14	68.0	50.9	84.8
Apr 15	72.2	53.3	94.2
Apr 16	78.2	58.2	108.8
Apr 17	79.1	60.8	129.4
Apr 18	76.6	57.5	95.1
Apr 19	56.5	45.9	67.7
Apr 20	86.9	39.5	143.2
Apr 21	95.0	60.6	143.6
Apr 22	86.0	56.9	134.9
Apr 23	87.4	57.3	139.0
Apr 24	87.6	61.2	143.5
Apr 25	70.3	63.2	81.8
Apr 26	74.9	61.9	94.9
Apr 27	83.9	57.1	133.2
Apr 28	80.6	57.9	124.5
Apr 29	79.7	66.5	98.7
Summary	72.8	54.1	95.0

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 55

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	85.8	78.4	100.5
Apr 2	85.6	74.9	101.1
Apr 3	86.9	78.4	97.6
Apr 4	86.4	76.7	101.6
Apr 5	75.6	66.6	85.4
Apr 6	71.5	60.1	85.2
Apr 7	112.5	64.2	180.2
Apr 8	182.3	177.6	189.0
Apr 9	185.1	178.0	192.4
Apr 10	186.7	182.4	192.5
Apr 11	184.8	178.1	192.4
Apr 12	185.3	180.1	193.1
Apr 13	164.1	145.9	184.4
Apr 14	141.4	136.8	145.6
Apr 15	147.2	54.6	187.9
Apr 16	168.3	139.7	185.8
Apr 17	154.1	131.8	189.9
Apr 18	188.2	183.5	192.8
Apr 19	183.5	178.1	190.1
Apr 20	181.5	176.6	183.6
Apr 21	183.6	178.5	189.4
Apr 22	185.1	178.5	192.3
Apr 23	187.9	183.0	193.6
Apr 24	187.5	174.3	193.9
Apr 25	156.3	137.5	171.6
Apr 26	144.6	140.5	148.3
Apr 27	138.3	135.8	141.8
Apr 28	133.5	123.9	146.0
Apr 29	146.8	133.0	179.9
Summary	149.0	71.5	188.2

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 56

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	173.1	172.3	174.5
Apr 2	173.1	172.1	174.1
Apr 3	173.0	172.1	173.8
Apr 4	173.2	172.6	174.3
Apr 5	172.4	171.0	173.9
Apr 6	172.0	170.0	173.2
Apr 7	172.1	171.2	172.8
Apr 8	171.6	170.5	173.4
Apr 9	172.4	170.6	174.4
Apr 10	173.0	171.8	174.2
Apr 11	173.5	172.4	174.8
Apr 12	174.1	172.6	175.5
Apr 13	174.2	173.6	174.8
Apr 14	174.7	174.0	175.9
Apr 15	175.2	174.5	176.8
Apr 16	175.5	173.9	176.8
Apr 17	175.7	174.9	176.7
Apr 18	176.1	175.3	177.3
Apr 19	174.3	172.2	176.1
Apr 20	175.2	174.6	175.7
Apr 21	175.9	174.4	177.4
Apr 22	176.8	176.1	178.1
Apr 23	177.4	176.6	178.5
Apr 24	177.8	177.0	178.9
Apr 25	177.7	176.4	178.2
Apr 26	177.8	176.5	179.2
Apr 27	177.6	176.3	179.2
Apr 28	177.9	175.6	178.8
Apr 29	178.8	178.2	179.5
Summary	174.9	171.6	178.8

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 57

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	72.5	58.0	93.9
Apr 2	73.8	58.3	95.5
Apr 3	74.4	58.6	90.7
Apr 4	74.0	57.7	93.6
Apr 5	64.5	52.4	76.2
Apr 6	59.2	42.4	77.2
Apr 7	59.3	43.6	77.4
Apr 8	61.0	44.3	82.2
Apr 9	65.6	45.7	90.2
Apr 10	66.3	45.2	88.1
Apr 11	68.9	49.4	94.3
Apr 12	76.2	57.3	98.0
Apr 13	73.6	64.2	85.6
Apr 14	71.9	55.1	89.1
Apr 15	75.5	56.7	96.4
Apr 16	75.8	60.9	94.4
Apr 17	74.4	62.2	93.6
Apr 18	75.8	55.0	94.6
Apr 19	58.0	46.6	70.2
Apr 20	57.3	41.1	75.7
Apr 21	62.7	39.4	86.3
Apr 22	69.7	48.4	90.9
Apr 23	71.9	50.3	96.5
Apr 24	73.3	55.3	94.7
Apr 25	65.3	56.9	77.3
Apr 26	73.1	60.0	93.7
Apr 27	72.8	56.0	96.6
Apr 28	69.2	56.3	84.5
Apr 29	71.8	64.4	83.7
Summary	69.2	57.3	76.2

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 58

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	101.4	99.9	102.6
Apr 2	101.4	99.3	103.2
Apr 3	101.4	100.6	103.1
Apr 4	101.4	99.0	103.3
Apr 5	100.6	99.5	101.7
Apr 6	99.9	98.4	101.7
Apr 7	100.0	98.6	101.6
Apr 8	100.1	98.5	101.6
Apr 9	100.0	97.7	102.5
Apr 10	99.6	97.1	102.7
Apr 11	101.0	99.4	103.3
Apr 12	101.7	99.7	103.9
Apr 13	102.2	101.7	103.0
Apr 14	101.6	97.8	103.5
Apr 15	102.2	101.1	103.5
Apr 16	102.1	100.9	103.3
Apr 17	102.1	100.9	103.5
Apr 18	101.5	100.3	104.1
Apr 19	100.4	98.8	101.8
Apr 20	100.6	99.4	102.2
Apr 21	100.9	99.0	103.1
Apr 22	101.4	99.9	102.8
Apr 23	101.4	98.4	103.7
Apr 24	101.2	99.3	103.3
Apr 25	101.4	100.8	102.3
Apr 26	101.6	99.8	102.9
Apr 27	101.6	100.2	103.0
Apr 28	101.5	100.3	102.6
Apr 29	102.0	101.3	102.9
Summary	101.2	99.6	102.2

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 59

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	130.3	118.1	138.4
Apr 2	136.6	122.3	140.6
Apr 3	137.7	125.2	140.7
Apr 4	119.7	116.6	123.8
Apr 5	114.2	112.5	116.0
Apr 6	117.9	110.5	128.2
Apr 7	121.7	111.2	131.3
Apr 8	134.0	131.2	136.9
Apr 9	137.2	134.9	139.6
Apr 10	135.1	121.8	140.6
Apr 11	118.5	116.0	120.7
Apr 12	116.3	114.0	119.3
Apr 13	114.5	113.3	115.3
Apr 14	113.5	110.3	116.1
Apr 15	118.7	111.0	130.5
Apr 16	126.3	113.8	137.0
Apr 17	120.9	113.4	134.6
Apr 18	130.1	122.3	137.8
Apr 19	116.9	111.9	126.3
Apr 20	120.6	109.9	130.6
Apr 21	112.5	105.4	125.6
Apr 22	111.4	104.3	117.7
Apr 23	111.9	102.6	120.4
Apr 24	113.1	106.3	123.6
Apr 25	109.2	105.8	112.1
Apr 26	110.9	106.1	123.8
Apr 27	115.1	105.0	124.9
Apr 28	114.9	112.1	121.8
Apr 29	115.8	113.0	125.5
Summary	120.5	109.2	137.7

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 60

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	76.9	65.7	94.6
Apr 2	77.9	65.5	95.4
Apr 3	79.5	66.7	91.6
Apr 4	79.2	66.3	95.6
Apr 5	70.6	61.1	78.4
Apr 6	65.8	53.5	80.2
Apr 7	67.3	57.0	80.9
Apr 8	69.2	56.2	87.1
Apr 9	74.0	57.5	93.7
Apr 10	74.1	57.7	91.5
Apr 11	78.2	62.4	96.6
Apr 12	84.8	69.5	99.9
Apr 13	77.5	65.4	82.8
Apr 14	69.5	54.4	86.7
Apr 15	75.1	54.9	98.8
Apr 16	80.1	66.2	90.6
Apr 17	75.9	61.0	97.1
Apr 18	84.0	68.3	97.5
Apr 19	63.6	47.7	77.7
Apr 20	55.6	41.1	74.1
Apr 21	65.6	38.8	90.4
Apr 22	74.3	60.3	89.6
Apr 23	75.0	50.9	97.3
Apr 24	77.6	62.3	92.9
Apr 25	63.8	56.6	74.2
Apr 26	69.9	57.8	89.0
Apr 27	74.2	53.7	97.2
Apr 28	76.3	64.3	86.9
Apr 29	75.7	65.3	88.9
Summary	73.5	55.6	84.8

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 61

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	152.7	148.7	155.4
Apr 2	154.6	154.0	155.8
Apr 3	154.4	152.9	155.6
Apr 4	155.1	153.4	156.3
Apr 5	154.2	151.0	156.2
Apr 6	151.4	149.3	153.3
Apr 7	151.0	148.3	153.5
Apr 8	152.6	151.0	154.3
Apr 9	154.4	152.7	156.2
Apr 10	154.9	153.4	155.8
Apr 11	155.1	153.5	156.2
Apr 12	156.0	154.9	157.2
Apr 13	154.1	152.2	156.1
Apr 14	151.9	150.9	153.6
Apr 15	150.4	132.6	158.5
Apr 16	137.0	121.4	147.4
Apr 17	149.3	146.3	151.9
Apr 18	151.0	149.9	152.6
Apr 19	148.9	147.0	151.0
Apr 20	149.2	148.5	150.1
Apr 21	149.8	147.7	151.5
Apr 22	152.3	117.2	156.9
Apr 23	156.9	155.4	158.2
Apr 24	157.7	156.9	158.6
Apr 25	157.8	156.9	158.1
Apr 26	157.4	156.1	158.5
Apr 27	156.8	155.6	158.3
Apr 28	156.4	154.2	157.5
Apr 29	157.3	156.1	158.5
Summary	153.1	137.0	157.8

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 62

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	92.9	86.4	100.9
Apr 2	93.5	87.1	103.4
Apr 3	93.9	87.8	99.9
Apr 4	93.1	87.2	100.6
Apr 5	88.7	82.8	93.3
Apr 6	86.8	79.5	94.0
Apr 7	87.1	80.8	93.2
Apr 8	86.8	79.7	98.4
Apr 9	88.0	78.7	98.8
Apr 10	89.5	78.6	98.6
Apr 11	91.0	82.6	100.5
Apr 12	93.5	85.9	102.6
Apr 13	93.3	89.1	97.9
Apr 14	94.4	87.8	102.0
Apr 15	96.7	89.8	107.6
Apr 16	95.5	88.2	103.1
Apr 17	96.1	90.9	104.9
Apr 18	95.7	87.4	104.1
Apr 19	86.9	78.2	94.7
Apr 20	87.9	80.4	97.6
Apr 21	90.1	79.0	101.3
Apr 22	93.4	84.1	102.6
Apr 23	95.4	86.1	105.0
Apr 24	96.8	88.8	104.9
Apr 25	92.8	89.4	97.9
Apr 26	95.0	88.6	104.7
Apr 27	94.4	85.8	105.8
Apr 28	93.1	83.2	100.6
Apr 29	95.8	90.4	101.1
Summary	92.4	86.8	96.8

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 63

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	67.2	52.1	89.0
Apr 2	68.8	52.8	89.8
Apr 3	69.2	52.8	86.7
Apr 4	68.1	52.9	91.2
Apr 5	59.7	47.3	70.2
Apr 6	52.8	35.7	71.6
Apr 7	52.0	38.5	70.3
Apr 8	55.0	38.2	72.9
Apr 9	58.0	38.0	81.6
Apr 10	59.6	39.3	80.7
Apr 11	62.9	43.4	86.4
Apr 12	70.2	51.3	91.4
Apr 13	68.9	59.5	79.8
Apr 14	65.5	49.3	82.9
Apr 15	69.4	50.9	90.4
Apr 16	70.3	54.1	88.0
Apr 17	68.9	56.2	87.3
Apr 18	69.3	49.4	90.4
Apr 19	52.9	40.9	64.4
Apr 20	50.6	34.6	70.2
Apr 21	55.6	33.5	79.2
Apr 22	62.2	42.3	83.2
Apr 23	65.7	44.2	89.3
Apr 24	66.4	49.6	87.2
Apr 25	59.5	51.0	71.5
Apr 26	66.4	54.1	84.6
Apr 27	66.6	48.5	88.7
Apr 28	63.5	52.7	75.8
Apr 29	65.5	56.0	77.1
Summary	63.1	50.6	70.3

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 64

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	67.9	52.2	89.6
Apr 2	68.7	53.1	93.9
Apr 3	69.7	53.4	87.4
Apr 4	68.3	52.6	92.1
Apr 5	60.3	48.1	72.5
Apr 6	53.7	37.2	72.0
Apr 7	53.6	38.8	71.0
Apr 8	56.0	38.8	77.7
Apr 9	59.4	39.1	85.3
Apr 10	60.6	39.9	83.4
Apr 11	63.2	43.1	90.7
Apr 12	70.9	51.2	94.3
Apr 13	69.2	59.6	80.0
Apr 14	66.1	49.1	84.9
Apr 15	69.6	50.4	94.8
Apr 16	70.4	54.3	89.3
Apr 17	69.2	56.2	89.8
Apr 18	70.1	49.5	90.2
Apr 19	54.2	41.5	66.8
Apr 20	51.5	35.0	72.7
Apr 21	56.5	33.6	83.1
Apr 22	62.8	41.9	85.9
Apr 23	66.0	44.4	91.2
Apr 24	67.4	49.9	90.4
Apr 25	59.8	51.2	72.3
Apr 26	67.7	54.0	90.5
Apr 27	67.1	49.1	92.9
Apr 28	63.7	52.6	80.2
Apr 29	66.0	58.1	79.4
Summary	63.8	51.5	70.9

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 65

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	108.2	101.8	116.6
Apr 2	108.4	102.1	118.3
Apr 3	108.1	101.5	113.6
Apr 4	106.6	98.3	117.2
Apr 5	93.1	84.2	103.2
Apr 6	84.5	76.6	94.8
Apr 7	83.8	69.0	96.1
Apr 8	86.8	74.8	105.7
Apr 9	90.5	74.6	108.1
Apr 10	89.5	72.0	103.7
Apr 11	90.5	75.2	104.8
Apr 12	94.9	80.7	108.9
Apr 13	118.1	84.5	146.6
Apr 14	141.9	140.7	143.4
Apr 15	140.7	139.3	143.0
Apr 16	139.8	137.3	141.2
Apr 17	138.7	136.9	141.1
Apr 18	139.4	138.2	141.0
Apr 19	136.6	134.4	138.6
Apr 20	136.7	135.8	138.0
Apr 21	137.0	134.7	138.3
Apr 22	137.5	136.0	138.9
Apr 23	137.7	135.9	139.3
Apr 24	137.8	136.5	139.0
Apr 25	137.0	135.7	137.8
Apr 26	137.1	136.0	138.9
Apr 27	136.7	135.4	138.6
Apr 28	136.2	134.2	137.6
Apr 29	136.5	135.3	137.6
Summary	119.7	83.8	141.9

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 66

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	117.7	93.6	145.8
Apr 2	134.9	89.4	190.6
Apr 3	193.4	191.2	194.9
Apr 4	195.1	194.5	195.7
Apr 5	185.8	169.3	195.3
Apr 6	195.5	194.7	196.4
Apr 7	196.0	195.4	196.7
Apr 8	190.1	178.3	196.7
Apr 9	196.9	196.0	197.7
Apr 10	189.5	174.5	197.4
Apr 11	169.0	161.9	175.2
Apr 12	159.4	154.8	164.5
Apr 13	158.2	154.4	162.3
Apr 14	154.8	145.7	159.1
Apr 15	153.8	148.1	157.3
Apr 16	152.0	145.6	157.9
Apr 17	153.4	146.9	157.3
Apr 18	150.4	142.6	161.9
Apr 19	143.9	133.6	155.8
Apr 20	149.3	139.9	154.2
Apr 21	149.7	142.3	158.8
Apr 22	172.2	103.4	195.0
Apr 23	192.2	182.8	196.2
Apr 24	189.1	177.8	196.4
Apr 25	179.7	172.2	191.1
Apr 26	172.2	169.4	175.3
Apr 27	185.1	167.7	196.7
Apr 28	184.5	94.4	196.5
Apr 29	193.4	184.8	196.7
Summary	170.9	117.7	196.9

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 67

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	162.7	156.5	167.3
Apr 2	163.2	159.8	170.0
Apr 3	163.1	156.9	168.7
Apr 4	163.1	156.9	169.3
Apr 5	154.2	136.2	167.6
Apr 6	153.4	148.2	162.4
Apr 7	152.4	144.4	159.0
Apr 8	165.9	70.9	195.5
Apr 9	196.0	194.5	196.7
Apr 10	197.1	196.6	197.5
Apr 11	197.5	197.0	198.0
Apr 12	198.0	197.7	198.3
Apr 13	194.5	188.9	198.2
Apr 14	186.2	181.4	188.5
Apr 15	188.3	181.8	197.4
Apr 16	194.9	186.9	197.6
Apr 17	190.7	183.2	197.8
Apr 18	197.8	197.5	198.2
Apr 19	197.9	197.3	198.6
Apr 20	187.4	180.9	197.6
Apr 21	183.4	178.4	186.7
Apr 22	182.4	178.9	185.7
Apr 23	191.1	179.4	198.6
Apr 24	198.7	198.1	199.1
Apr 25	198.9	198.6	199.1
Apr 26	199.3	199.0	199.7
Apr 27	199.5	199.1	199.9
Apr 28	199.5	199.1	199.7
Apr 29	199.1	196.1	199.6
Summary	184.7	152.4	199.5

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 68

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	155.7	150.5	165.2
Apr 2	161.3	146.9	170.7
Apr 3	166.6	160.5	170.2
Apr 4	154.7	152.2	158.9
Apr 5	147.1	141.7	151.9
Apr 6	158.0	140.7	167.3
Apr 7	167.1	165.0	170.1
Apr 8	163.4	156.0	167.4
Apr 9	159.8	149.0	169.4
Apr 10	159.8	153.2	167.4
Apr 11	152.1	149.0	154.3
Apr 12	148.2	144.2	151.2
Apr 13	144.7	139.7	148.3
Apr 14	144.2	142.1	146.2
Apr 15	148.3	142.0	164.8
Apr 16	154.1	146.5	166.7
Apr 17	150.9	143.5	165.8
Apr 18	146.3	142.6	150.7
Apr 19	140.2	135.4	146.4
Apr 20	150.7	138.0	165.0
Apr 21	156.9	149.1	165.5
Apr 22	154.0	146.3	164.4
Apr 23	150.6	144.0	159.1
Apr 24	153.6	144.0	165.9
Apr 25	146.2	141.4	149.9
Apr 26	141.8	139.2	143.8
Apr 27	151.7	136.4	165.1
Apr 28	150.8	143.7	163.3
Apr 29	149.7	141.8	164.2
Summary	152.7	140.2	167.1

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 69

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	84.4	74.7	102.1
Apr 2	85.3	74.5	101.4
Apr 3	85.9	75.3	96.9
Apr 4	85.7	74.0	101.4
Apr 5	78.6	69.2	91.2
Apr 6	74.0	61.2	90.2
Apr 7	73.6	62.9	90.6
Apr 8	71.9	58.6	91.9
Apr 9	73.2	55.4	97.2
Apr 10	75.8	58.3	96.7
Apr 11	77.2	61.6	99.0
Apr 12	82.2	66.2	103.2
Apr 13	79.1	71.4	90.0
Apr 14	77.7	63.1	94.1
Apr 15	81.0	64.0	100.3
Apr 16	80.5	67.4	95.6
Apr 17	79.7	69.5	97.0
Apr 18	81.2	64.3	98.7
Apr 19	67.9	55.6	85.0
Apr 20	66.4	52.2	87.6
Apr 21	69.4	49.3	92.9
Apr 22	75.6	58.0	96.0
Apr 23	77.8	59.0	99.9
Apr 24	79.9	64.7	99.3
Apr 25	71.9	65.5	81.7
Apr 26	77.2	65.0	97.2
Apr 27	76.1	60.2	97.5
Apr 28	74.1	62.9	87.2
Apr 29	76.2	68.7	88.1
Summary	77.2	66.4	85.9

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 70

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	68.0	52.5	92.9
Apr 2	68.4	53.0	94.9
Apr 3	68.8	53.7	89.8
Apr 4	69.1	53.3	95.6
Apr 5	63.2	49.7	75.8
Apr 6	57.3	41.1	79.4
Apr 7	57.4	41.5	80.7
Apr 8	58.4	40.5	84.3
Apr 9	60.7	41.1	88.2
Apr 10	61.5	42.9	89.4
Apr 11	64.6	45.9	94.1
Apr 12	69.7	50.3	97.3
Apr 13	67.0	57.1	81.9
Apr 14	66.4	50.9	88.7
Apr 15	71.2	51.3	97.7
Apr 16	71.1	54.0	93.8
Apr 17	71.2	57.0	93.1
Apr 18	71.6	51.7	96.1
Apr 19	59.6	45.5	76.8
Apr 20	56.1	39.5	79.9
Apr 21	60.4	37.6	90.5
Apr 22	65.1	44.3	92.3
Apr 23	68.4	46.4	100.4
Apr 24	69.9	50.6	98.1
Apr 25	61.1	52.5	74.5
Apr 26	71.1	56.5	96.1
Apr 27	70.6	50.9	99.7
Apr 28	66.6	55.3	84.2
Apr 29	68.1	58.4	85.2
Summary	65.6	56.1	71.6

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 71

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	140.4	139.9	141.2
Apr 2	140.4	139.5	141.1
Apr 3	140.4	140.0	141.0
Apr 4	140.4	139.8	141.5
Apr 5	139.2	137.1	140.5
Apr 6	139.5	139.1	140.0
Apr 7	139.5	138.8	139.9
Apr 8	139.0	138.0	140.0
Apr 9	139.1	137.8	141.0
Apr 10	139.5	138.9	140.5
Apr 11	139.7	139.0	140.8
Apr 12	139.9	139.3	141.0
Apr 13	139.5	138.5	140.0
Apr 14	139.5	138.6	140.3
Apr 15	139.8	139.0	140.8
Apr 16	139.2	138.6	140.1
Apr 17	139.5	138.5	140.7
Apr 18	139.7	138.8	140.9
Apr 19	137.9	134.5	139.1
Apr 20	138.4	137.5	138.9
Apr 21	138.8	138.0	140.0
Apr 22	139.1	138.4	140.1
Apr 23	139.4	138.0	140.2
Apr 24	139.4	138.7	140.1
Apr 25	138.8	137.8	139.5
Apr 26	138.8	136.2	140.2
Apr 27	138.2	136.3	140.3
Apr 28	138.3	136.1	139.3
Apr 29	138.7	137.9	139.2
Summary	139.3	137.9	140.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 72

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	136.7	135.6	138.7
Apr 2	136.8	135.1	138.9
Apr 3	137.0	135.6	138.6
Apr 4	137.4	136.2	139.4
Apr 5	134.6	131.1	137.6
Apr 6	135.2	133.5	136.8
Apr 7	135.0	132.9	136.1
Apr 8	134.3	131.0	137.6
Apr 9	134.3	130.7	138.8
Apr 10	135.1	132.4	137.5
Apr 11	135.7	133.6	138.6
Apr 12	136.2	134.6	139.4
Apr 13	135.2	132.9	136.3
Apr 14	135.6	133.5	137.5
Apr 15	136.2	134.2	139.0
Apr 16	134.8	131.6	137.9
Apr 17	135.8	132.8	138.5
Apr 18	136.0	133.5	138.8
Apr 19	131.1	123.3	134.7
Apr 20	133.0	131.5	134.4
Apr 21	134.5	132.3	137.8
Apr 22	135.6	133.9	137.3
Apr 23	136.4	133.9	138.6
Apr 24	136.7	134.8	138.9
Apr 25	135.1	132.2	136.6
Apr 26	134.7	131.0	138.6
Apr 27	133.7	129.3	139.6
Apr 28	133.9	126.8	136.9
Apr 29	135.4	132.7	137.6
Summary	135.2	131.1	137.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 73

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	94.3	89.6	101.4
Apr 2	92.3	86.8	101.1
Apr 3	90.6	85.1	97.9
Apr 4	89.6	82.5	99.3
Apr 5	84.8	78.5	90.6
Apr 6	82.0	73.9	91.6
Apr 7	82.0	75.2	91.8
Apr 8	82.5	74.0	94.4
Apr 9	84.5	74.9	97.4
Apr 10	85.2	75.8	96.1
Apr 11	86.9	77.9	98.1
Apr 12	89.3	81.6	99.8
Apr 13	97.7	84.2	110.5
Apr 14	110.4	108.9	112.4
Apr 15	111.1	109.4	113.8
Apr 16	110.9	109.6	112.7
Apr 17	111.3	109.7	113.4
Apr 18	111.5	109.9	113.4
Apr 19	109.6	107.4	111.3
Apr 20	109.8	108.7	111.7
Apr 21	110.2	108.4	112.3
Apr 22	110.7	109.5	112.6
Apr 23	111.1	109.2	113.2
Apr 24	111.3	109.8	113.3
Apr 25	110.2	109.5	111.2
Apr 26	111.0	109.4	113.2
Apr 27	111.0	109.4	113.7
Apr 28	110.2	108.4	111.3
Apr 29	110.4	109.8	111.7
Summary	100.4	82.0	111.5

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 74

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	118.0	115.8	120.7
Apr 2	117.7	114.2	120.3
Apr 3	117.9	115.6	119.5
Apr 4	118.5	115.5	121.9
Apr 5	114.8	109.8	119.9
Apr 6	114.7	111.8	117.5
Apr 7	114.7	112.0	116.2
Apr 8	113.4	109.0	118.2
Apr 9	115.3	109.8	121.6
Apr 10	117.4	113.1	121.3
Apr 11	118.7	116.2	121.6
Apr 12	119.9	117.4	124.4
Apr 13	118.8	116.2	120.5
Apr 14	119.9	116.6	123.5
Apr 15	121.2	117.5	125.1
Apr 16	120.0	114.6	124.2
Apr 17	120.1	116.6	124.6
Apr 18	121.4	118.0	124.6
Apr 19	113.3	105.0	119.0
Apr 20	115.2	112.9	117.6
Apr 21	117.1	111.5	121.3
Apr 22	119.7	116.7	123.6
Apr 23	121.4	116.5	125.2
Apr 24	122.4	119.7	125.4
Apr 25	120.1	113.6	121.5
Apr 26	119.0	112.8	124.3
Apr 27	116.5	111.0	124.0
Apr 28	117.4	109.0	121.6
Apr 29	120.2	113.6	122.3
Summary	118.1	113.3	122.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 75

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	71.7	54.2	99.9
Apr 2	73.0	55.1	99.2
Apr 3	73.3	55.5	94.1
Apr 4	72.8	55.1	99.6
Apr 5	62.4	49.7	77.7
Apr 6	57.1	39.4	79.6
Apr 7	56.8	42.1	79.6
Apr 8	59.6	42.0	86.3
Apr 9	64.6	42.0	91.4
Apr 10	66.1	42.9	92.8
Apr 11	67.7	46.2	101.8
Apr 12	75.7	54.0	101.5
Apr 13	71.8	61.8	84.0
Apr 14	70.6	51.6	88.6
Apr 15	74.9	52.8	101.3
Apr 16	73.9	56.5	96.0
Apr 17	72.5	57.5	93.8
Apr 18	73.7	52.0	100.5
Apr 19	56.0	43.0	73.2
Apr 20	54.9	37.3	77.5
Apr 21	60.4	36.0	89.4
Apr 22	66.7	45.2	93.5
Apr 23	70.1	47.1	100.3
Apr 24	71.8	52.2	98.2
Apr 25	61.8	53.8	74.9
Apr 26	69.8	54.7	95.6
Apr 27	70.1	51.4	98.1
Apr 28	66.4	53.4	82.1
Apr 29	67.8	61.3	83.6
Summary	67.4	54.9	75.7

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 76

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	127.5	127.3	127.9
Apr 2	127.5	127.2	128.1
Apr 3	127.5	127.2	127.7
Apr 4	127.5	127.2	127.8
Apr 5	127.1	126.8	127.4
Apr 6	127.0	126.7	127.4
Apr 7	127.0	126.7	127.4
Apr 8	127.0	126.7	127.5
Apr 9	127.0	126.6	127.6
Apr 10	127.0	126.6	127.5
Apr 11	127.0	126.6	127.6
Apr 12	127.1	126.7	127.6
Apr 13	127.0	126.8	127.2
Apr 14	127.0	126.7	127.4
Apr 15	127.0	126.6	127.7
Apr 16	126.9	126.6	127.4
Apr 17	126.9	126.6	127.4
Apr 18	126.9	126.5	127.4
Apr 19	126.4	126.1	126.7
Apr 20	126.5	126.2	126.8
Apr 21	126.6	126.1	127.1
Apr 22	126.6	126.4	127.1
Apr 23	126.7	126.3	127.2
Apr 24	126.7	126.4	127.2
Apr 25	126.5	126.2	126.6
Apr 26	126.6	126.3	127.3
Apr 27	126.6	126.2	127.2
Apr 28	126.4	126.0	126.6
Apr 29	126.4	126.2	126.6
Summary	126.9	126.4	127.5

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 77

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	70.4	54.5	93.5
Apr 2	72.0	55.0	95.4
Apr 3	73.0	55.8	91.9
Apr 4	73.0	55.2	97.7
Apr 5	61.7	49.9	72.4
Apr 6	56.7	39.4	74.9
Apr 7	56.2	41.9	73.3
Apr 8	59.1	41.2	80.0
Apr 9	63.6	41.4	87.8
Apr 10	65.3	42.5	85.7
Apr 11	67.3	46.0	92.1
Apr 12	73.6	53.9	96.4
Apr 13	71.6	62.4	82.4
Apr 14	69.7	51.1	88.9
Apr 15	75.0	52.8	97.4
Apr 16	73.2	56.3	92.1
Apr 17	73.0	57.5	92.5
Apr 18	73.0	51.8	94.9
Apr 19	55.6	42.5	69.3
Apr 20	54.6	37.2	75.1
Apr 21	61.0	35.7	84.5
Apr 22	66.7	45.0	88.5
Apr 23	70.6	47.1	95.5
Apr 24	71.4	52.3	92.1
Apr 25	61.9	53.4	74.5
Apr 26	69.7	54.8	90.9
Apr 27	69.6	51.2	92.1
Apr 28	65.9	53.3	80.8
Apr 29	67.5	60.7	80.9
Summary	67.0	54.6	75.0

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 78

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	107.8	105.7	112.1
Apr 2	107.7	104.7	111.7
Apr 3	107.8	105.1	111.0
Apr 4	108.2	105.7	112.5
Apr 5	105.2	102.0	108.1
Apr 6	104.4	100.9	108.9
Apr 7	105.0	100.9	109.3
Apr 8	104.8	101.0	109.9
Apr 9	104.6	97.8	112.1
Apr 10	105.2	100.9	110.7
Apr 11	106.1	101.9	111.3
Apr 12	107.5	102.7	113.0
Apr 13	105.5	104.1	107.7
Apr 14	105.0	102.0	109.1
Apr 15	106.2	101.0	113.7
Apr 16	106.3	102.3	110.6
Apr 17	105.8	101.6	112.9
Apr 18	107.5	104.4	112.0
Apr 19	100.9	94.8	106.2
Apr 20	102.3	98.2	106.3
Apr 21	104.0	98.2	109.8
Apr 22	105.7	101.8	111.0
Apr 23	107.1	102.9	113.2
Apr 24	107.8	104.2	112.3
Apr 25	105.4	102.5	108.0
Apr 26	106.7	102.9	112.1
Apr 27	106.1	101.9	113.6
Apr 28	104.4	97.7	108.0
Apr 29	106.3	102.7	109.4
Summary	105.8	100.9	108.2

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 79

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	70.7	54.9	93.3
Apr 2	72.1	55.4	91.5
Apr 3	73.3	56.0	89.5
Apr 4	71.4	55.1	91.7
Apr 5	61.4	49.8	74.2
Apr 6	57.2	40.3	77.1
Apr 7	57.0	42.2	77.1
Apr 8	59.1	42.2	82.0
Apr 9	63.9	42.5	94.2
Apr 10	65.2	43.2	89.3
Apr 11	67.3	46.8	93.1
Apr 12	75.3	54.5	99.6
Apr 13	71.8	62.2	83.8
Apr 14	70.2	51.7	89.9
Apr 15	74.8	53.7	99.7
Apr 16	74.1	57.4	94.1
Apr 17	72.5	58.3	95.6
Apr 18	73.8	52.5	96.0
Apr 19	55.8	43.5	72.4
Apr 20	55.2	39.2	78.1
Apr 21	60.6	37.0	87.8
Apr 22	67.6	46.2	92.6
Apr 23	71.0	48.3	96.9
Apr 24	72.1	53.2	95.8
Apr 25	62.0	54.4	74.6
Apr 26	69.8	55.2	94.2
Apr 27	69.8	51.8	95.8
Apr 28	65.9	53.5	81.8
Apr 29	67.7	58.8	84.0
Summary	67.2	55.2	75.3

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 80

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	68.9	52.0	92.6
Apr 2	71.9	53.5	94.9
Apr 3	71.7	52.9	94.1
Apr 4	70.8	53.0	95.4
Apr 5	60.5	47.3	73.6
Apr 6	54.8	37.2	74.3
Apr 7	55.7	38.6	75.3
Apr 8	57.9	39.4	79.6
Apr 9	61.4	39.9	89.1
Apr 10	63.2	39.7	87.4
Apr 11	65.2	43.0	92.2
Apr 12	72.6	51.4	97.6
Apr 13	70.0	59.5	83.5
Apr 14	68.5	49.7	87.6
Apr 15	72.7	50.2	95.8
Apr 16	72.0	54.3	92.7
Apr 17	69.8	56.6	93.5
Apr 18	73.2	49.7	97.0
Apr 19	54.5	40.6	67.2
Apr 20	52.6	34.7	73.3
Apr 21	58.2	33.8	84.1
Apr 22	64.8	42.6	88.8
Apr 23	67.8	44.9	97.5
Apr 24	70.9	50.0	93.8
Apr 25	60.3	51.4	75.0
Apr 26	70.0	54.5	91.7
Apr 27	68.9	49.5	94.5
Apr 28	64.8	53.3	81.5
Apr 29	67.1	59.2	80.0
Summary	65.5	52.6	73.2

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 81

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	165.2	163.6	166.0
Apr 2	164.9	162.9	166.4
Apr 3	165.2	163.9	166.3
Apr 4	165.4	164.0	166.9
Apr 5	163.7	158.5	166.5
Apr 6	164.0	162.5	165.1
Apr 7	163.7	161.9	165.4
Apr 8	163.6	161.2	164.8
Apr 9	165.3	163.6	166.9
Apr 10	165.8	164.1	167.0
Apr 11	166.5	164.4	167.9
Apr 12	166.9	165.5	168.1
Apr 13	166.9	165.2	168.2
Apr 14	167.3	165.6	169.0
Apr 15	168.0	165.6	169.1
Apr 16	167.9	165.5	169.1
Apr 17	168.0	165.8	169.2
Apr 18	168.2	166.4	169.8
Apr 19	164.4	160.1	168.4
Apr 20	165.6	162.8	166.8
Apr 21	166.4	164.4	168.4
Apr 22	167.4	165.2	168.9
Apr 23	168.5	166.8	169.8
Apr 24	168.9	167.2	170.2
Apr 25	168.7	165.9	169.6
Apr 26	168.2	166.6	169.7
Apr 27	167.3	165.8	169.1
Apr 28	167.2	164.0	169.4
Apr 29	168.3	166.3	169.3
Summary	166.5	163.6	168.9

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 82

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	165.0	162.6	166.2
Apr 2	165.0	162.6	166.6
Apr 3	164.9	162.4	166.6
Apr 4	165.4	163.0	166.5
Apr 5	162.1	154.5	167.0
Apr 6	162.6	160.3	164.5
Apr 7	163.3	160.0	164.9
Apr 8	161.8	157.4	163.9
Apr 9	160.9	157.2	164.4
Apr 10	160.7	156.5	162.7
Apr 11	161.9	157.3	164.3
Apr 12	162.0	158.6	164.0
Apr 13	160.6	156.1	163.7
Apr 14	161.9	158.0	164.7
Apr 15	163.1	159.0	165.0
Apr 16	160.6	142.6	164.1
Apr 17	162.4	158.8	164.7
Apr 18	162.2	158.5	165.4
Apr 19	155.1	147.8	162.1
Apr 20	158.1	151.6	161.1
Apr 21	159.9	157.1	162.8
Apr 22	160.7	154.4	163.4
Apr 23	162.8	160.3	164.5
Apr 24	162.9	159.7	164.5
Apr 25	161.9	153.2	164.4
Apr 26	162.5	160.5	165.0
Apr 27	161.1	158.3	164.8
Apr 28	158.2	146.7	163.8
Apr 29	161.4	154.5	164.5
Summary	161.8	155.1	165.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 83

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	168.5	166.9	169.6
Apr 2	168.2	165.7	169.9
Apr 3	168.6	166.6	170.0
Apr 4	168.4	166.9	169.9
Apr 5	166.3	162.9	169.5
Apr 6	166.8	165.6	168.4
Apr 7	167.0	165.3	168.8
Apr 8	166.5	164.8	169.1
Apr 9	167.6	165.4	169.3
Apr 10	167.8	165.5	169.0
Apr 11	168.1	165.9	169.9
Apr 12	168.4	166.2	169.5
Apr 13	168.0	166.1	169.5
Apr 14	168.1	165.6	170.1
Apr 15	168.8	165.7	170.5
Apr 16	167.8	164.5	169.6
Apr 17	168.5	166.1	169.8
Apr 18	168.4	166.4	170.5
Apr 19	164.6	161.4	168.8
Apr 20	165.6	162.2	167.5
Apr 21	166.5	164.8	168.9
Apr 22	167.3	164.2	168.8
Apr 23	168.2	166.2	169.7
Apr 24	168.3	166.6	170.2
Apr 25	167.9	164.2	169.3
Apr 26	167.6	164.9	169.6
Apr 27	166.3	163.8	169.1
Apr 28	166.2	162.9	168.6
Apr 29	166.8	163.3	168.8
Summary	167.5	164.6	168.8

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 84

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	158.6	158.2	159.4
Apr 2	158.4	157.8	159.3
Apr 3	158.4	158.0	158.8
Apr 4	158.5	157.7	159.3
Apr 5	157.9	157.2	158.7
Apr 6	157.6	156.9	158.3
Apr 7	157.4	157.0	158.0
Apr 8	157.1	156.5	158.3
Apr 9	157.8	156.4	159.2
Apr 10	158.0	156.8	159.1
Apr 11	158.4	157.6	159.6
Apr 12	158.7	158.0	159.8
Apr 13	158.7	158.1	159.1
Apr 14	159.0	158.2	159.8
Apr 15	159.4	158.4	160.3
Apr 16	159.3	158.0	160.2
Apr 17	159.2	158.6	160.1
Apr 18	159.4	158.5	160.3
Apr 19	157.9	156.9	159.1
Apr 20	158.0	157.7	158.5
Apr 21	158.3	157.0	159.5
Apr 22	158.8	157.9	159.9
Apr 23	159.2	158.0	160.3
Apr 24	159.4	158.6	160.3
Apr 25	159.2	158.4	159.6
Apr 26	159.2	158.2	160.3
Apr 27	158.9	157.8	160.3
Apr 28	158.7	157.3	159.5
Apr 29	159.3	158.7	160.2
Summary	158.6	157.1	159.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 85

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	139.8	137.2	143.8
Apr 2	138.9	136.1	142.8
Apr 3	138.1	135.5	141.8
Apr 4	136.6	133.2	141.1
Apr 5	129.0	124.5	135.8
Apr 6	123.1	118.7	129.0
Apr 7	118.8	110.8	124.3
Apr 8	108.8	95.9	116.3
Apr 9	106.0	92.2	125.8
Apr 10	110.2	100.9	121.4
Apr 11	112.4	103.1	125.7
Apr 12	117.0	109.4	130.1
Apr 13	117.3	114.1	120.3
Apr 14	120.4	114.8	130.1
Apr 15	124.3	117.2	135.0
Apr 16	123.3	115.5	133.1
Apr 17	126.2	119.8	135.5
Apr 18	126.2	121.2	135.4
Apr 19	116.3	107.8	124.0
Apr 20	119.2	114.5	126.3
Apr 21	121.8	113.4	132.2
Apr 22	124.4	118.3	133.4
Apr 23	126.6	119.6	135.4
Apr 24	127.0	122.0	135.1
Apr 25	123.2	120.3	126.3
Apr 26	125.3	119.4	135.1
Apr 27	124.1	117.7	136.0
Apr 28	121.6	111.8	129.2
Apr 29	123.7	119.2	129.0
Summary	123.1	106.0	139.8

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 86

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	145.6	145.0	146.4
Apr 2	145.7	145.1	146.8
Apr 3	145.9	145.1	146.4
Apr 4	146.2	145.5	146.9
Apr 5	145.6	144.9	146.4
Apr 6	145.5	144.9	146.2
Apr 7	145.4	144.9	146.2
Apr 8	145.1	144.2	146.4
Apr 9	145.1	143.8	146.6
Apr 10	145.4	144.1	146.4
Apr 11	145.8	144.8	147.0
Apr 12	146.1	145.0	147.4
Apr 13	146.0	145.7	146.4
Apr 14	146.2	145.2	146.9
Apr 15	146.5	145.4	147.7
Apr 16	146.3	145.6	147.5
Apr 17	146.3	145.5	147.4
Apr 18	146.5	145.7	147.7
Apr 19	145.0	144.1	146.3
Apr 20	145.3	145.0	146.0
Apr 21	145.8	144.5	147.1
Apr 22	146.2	145.3	147.1
Apr 23	146.5	145.4	147.7
Apr 24	146.7	145.6	147.7
Apr 25	146.3	145.8	146.7
Apr 26	146.4	145.2	148.0
Apr 27	146.2	145.0	147.8
Apr 28	146.1	144.2	147.0
Apr 29	146.6	145.9	147.3
Summary	145.9	145.0	146.7

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 87

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	78.0	65.3	96.7
Apr 2	79.1	64.6	97.6
Apr 3	80.8	67.1	96.3
Apr 4	80.0	64.2	98.3
Apr 5	68.6	60.1	78.0
Apr 6	65.7	51.2	85.2
Apr 7	66.1	52.0	83.1
Apr 8	67.2	51.3	91.9
Apr 9	72.5	51.7	99.0
Apr 10	73.7	53.0	92.8
Apr 11	76.6	57.5	96.8
Apr 12	83.8	67.0	103.4
Apr 13	81.3	74.6	90.1
Apr 14	80.6	64.2	98.3
Apr 15	85.4	68.2	105.5
Apr 16	83.9	71.2	100.3
Apr 17	83.4	71.7	103.7
Apr 18	83.9	66.1	104.7
Apr 19	66.6	51.9	79.4
Apr 20	71.0	61.8	86.2
Apr 21	76.0	54.1	97.7
Apr 22	80.6	63.5	99.7
Apr 23	84.1	64.9	104.3
Apr 24	85.0	69.3	100.7
Apr 25	77.0	69.5	87.1
Apr 26	83.4	69.6	106.0
Apr 27	81.2	64.9	104.9
Apr 28	76.7	61.6	88.1
Apr 29	80.0	71.0	92.3
Summary	77.7	65.7	85.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 88

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	164.7	163.6	165.2
Apr 2	164.1	163.2	164.9
Apr 3	164.2	163.4	165.2
Apr 4	164.9	164.4	165.2
Apr 5	164.7	163.5	165.8
Apr 6	164.2	163.3	165.3
Apr 7	164.1	163.2	164.7
Apr 8	163.9	163.1	164.8
Apr 9	164.5	163.4	165.7
Apr 10	164.8	163.8	165.8
Apr 11	165.1	164.5	166.0
Apr 12	165.3	164.7	166.6
Apr 13	165.0	164.0	166.0
Apr 14	165.1	164.3	165.6
Apr 15	165.7	164.4	167.1
Apr 16	166.0	165.0	167.0
Apr 17	165.9	164.6	167.1
Apr 18	166.4	166.0	166.9
Apr 19	165.0	163.6	166.9
Apr 20	164.9	164.1	166.0
Apr 21	164.7	163.9	165.8
Apr 22	165.2	164.1	166.6
Apr 23	165.9	165.1	167.1
Apr 24	166.2	165.7	166.8
Apr 25	166.4	165.8	167.1
Apr 26	165.8	165.2	166.5
Apr 27	165.5	164.8	166.6
Apr 28	165.5	163.3	166.5
Apr 29	166.2	165.5	166.9
Summary	165.2	163.9	166.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 89

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	180.9	179.0	181.9
Apr 2	180.9	179.7	182.2
Apr 3	181.0	179.0	183.2
Apr 4	181.8	179.9	183.0
Apr 5	179.8	177.2	183.0
Apr 6	175.7	93.7	181.3
Apr 7	179.7	176.5	180.9
Apr 8	178.9	176.2	181.6
Apr 9	180.0	176.3	183.9
Apr 10	181.6	179.4	184.0
Apr 11	182.3	180.2	184.3
Apr 12	182.9	181.3	184.4
Apr 13	182.4	181.0	183.4
Apr 14	182.8	180.6	184.4
Apr 15	183.4	181.6	185.1
Apr 16	182.9	180.0	184.4
Apr 17	183.7	181.6	185.2
Apr 18	183.6	182.6	185.3
Apr 19	180.4	176.8	183.8
Apr 20	180.9	179.7	182.2
Apr 21	182.0	179.7	183.5
Apr 22	182.8	180.8	184.5
Apr 23	184.0	182.0	185.5
Apr 24	183.8	182.3	185.3
Apr 25	180.8	178.8	182.2
Apr 26	180.5	178.5	185.0
Apr 27	179.9	177.3	184.3
Apr 28	176.5	171.7	180.4
Apr 29	177.2	176.0	178.7
Summary	181.1	175.7	184.0

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 90

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	132.5	132.1	133.2
Apr 2	132.7	132.3	133.5
Apr 3	133.0	132.6	133.4
Apr 4	133.1	132.7	133.7
Apr 5	132.8	132.5	133.2
Apr 6	132.8	132.4	133.3
Apr 7	132.7	132.4	133.1
Apr 8	132.5	132.0	133.2
Apr 9	132.7	131.9	133.6
Apr 10	132.9	132.3	133.5
Apr 11	133.0	132.3	133.6
Apr 12	133.1	132.3	134.1
Apr 13	133.1	132.9	133.4
Apr 14	133.1	132.5	133.5
Apr 15	133.2	132.6	134.0
Apr 16	133.1	132.6	133.8
Apr 17	133.0	132.5	133.6
Apr 18	133.0	132.5	133.8
Apr 19	131.9	131.4	132.6
Apr 20	132.0	131.6	132.4
Apr 21	132.1	131.3	133.0
Apr 22	132.4	131.7	133.1
Apr 23	132.5	131.7	133.3
Apr 24	132.4	131.9	133.2
Apr 25	132.0	131.7	132.5
Apr 26	132.1	131.3	133.0
Apr 27	131.9	131.1	133.1
Apr 28	131.7	130.8	132.2
Apr 29	131.9	131.3	132.1
Summary	132.6	131.7	133.2

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 91

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	154.0	150.9	155.7
Apr 2	153.8	151.6	156.0
Apr 3	154.1	150.8	157.1
Apr 4	153.9	150.3	156.1
Apr 5	151.8	147.0	155.5
Apr 6	151.9	149.1	155.1
Apr 7	151.1	146.7	153.7
Apr 8	150.5	146.7	152.7
Apr 9	152.5	148.5	156.4
Apr 10	152.9	148.1	156.5
Apr 11	153.8	151.6	157.2
Apr 12	154.6	151.5	157.3
Apr 13	154.8	151.9	156.8
Apr 14	155.1	152.5	157.2
Apr 15	156.4	153.5	159.3
Apr 16	155.8	153.0	157.3
Apr 17	156.3	153.9	159.4
Apr 18	155.7	151.4	159.6
Apr 19	151.4	144.8	156.6
Apr 20	153.1	150.5	154.7
Apr 21	155.1	151.7	158.2
Apr 22	156.1	152.7	159.0
Apr 23	157.0	154.7	160.7
Apr 24	156.8	153.6	159.9
Apr 25	155.9	151.3	157.6
Apr 26	155.4	152.1	158.1
Apr 27	154.6	151.4	158.7
Apr 28	154.4	149.5	157.6
Apr 29	155.5	152.9	157.4
Summary	154.3	150.5	157.0

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 92

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	84.0	75.1	99.8
Apr 2	82.4	70.7	101.6
Apr 3	84.5	77.2	94.1
Apr 4	84.7	74.0	103.3
Apr 5	70.9	61.7	85.4
Apr 6	68.1	55.0	83.8
Apr 7	70.9	62.0	83.6
Apr 8	70.0	56.3	88.1
Apr 9	76.1	58.5	101.5
Apr 10	75.8	59.6	89.3
Apr 11	82.5	71.1	97.8
Apr 12	88.3	76.0	107.8
Apr 13	84.7	78.0	91.6
Apr 14	86.3	75.1	100.9
Apr 15	93.4	82.7	109.4
Apr 16	89.9	72.0	101.0
Apr 17	90.5	78.4	110.2
Apr 18	91.0	80.4	113.6
Apr 19	69.1	54.4	83.5
Apr 20	73.7	66.4	84.3
Apr 21	79.8	61.4	102.4
Apr 22	86.5	78.0	100.6
Apr 23	92.7	80.3	105.7
Apr 24	93.8	85.3	108.7
Apr 25	89.6	76.0	98.8
Apr 26	93.7	82.3	111.5
Apr 27	91.4	81.1	107.0
Apr 28	83.6	63.8	98.4
Apr 29	88.3	82.0	95.8
Summary	83.3	68.1	93.8

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 93

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	73.5	60.7	96.2
Apr 2	71.2	57.8	97.2
Apr 3	69.9	56.3	89.8
Apr 4	70.0	55.9	95.8
Apr 5	63.0	51.6	75.0
Apr 6	57.0	43.3	77.2
Apr 7	57.2	41.6	80.2
Apr 8	59.0	41.5	85.8
Apr 9	62.3	42.3	93.3
Apr 10	61.2	42.1	90.3
Apr 11	65.2	46.0	96.0
Apr 12	71.5	52.7	101.4
Apr 13	69.5	58.3	81.9
Apr 14	67.9	51.1	90.3
Apr 15	71.1	52.1	100.7
Apr 16	71.9	54.9	95.1
Apr 17	72.4	58.1	98.1
Apr 18	70.9	51.7	97.0
Apr 19	56.5	43.6	72.9
Apr 20	53.8	38.0	77.3
Apr 21	59.8	36.7	89.9
Apr 22	64.1	44.8	92.7
Apr 23	68.6	47.4	98.2
Apr 24	70.2	52.4	96.5
Apr 25	61.7	53.6	73.6
Apr 26	71.3	56.0	97.1
Apr 27	70.5	52.7	100.6
Apr 28	65.7	55.3	80.0
Apr 29	67.6	58.6	81.8
Summary	66.0	53.8	73.5

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 94

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	125.0	119.9	130.3
Apr 2	132.1	126.9	135.2
Apr 3	135.0	130.9	138.6
Apr 4	137.3	130.9	139.8
Apr 5	135.8	132.2	141.0
Apr 6	137.2	133.5	142.5
Apr 7	139.3	135.7	142.6
Apr 8	141.1	138.6	142.8
Apr 9	143.6	140.9	146.4
Apr 10	143.5	137.0	147.9
Apr 11	149.2	146.6	151.3
Apr 12	151.6	149.2	154.7
Apr 13	144.8	135.7	153.1
Apr 14	134.1	126.0	138.0
Apr 15	136.8	131.2	148.6
Apr 16	134.2	129.9	140.1
Apr 17	133.9	130.0	138.3
Apr 18	131.6	126.7	136.1
Apr 19	125.4	119.2	134.4
Apr 20	139.1	128.6	155.0
Apr 21	153.8	152.1	156.6
Apr 22	154.6	152.2	156.7
Apr 23	154.8	149.0	158.4
Apr 24	152.6	143.7	159.2
Apr 25	156.4	154.8	157.7
Apr 26	156.6	154.3	159.5
Apr 27	156.9	154.8	160.2
Apr 28	154.2	148.9	157.5
Apr 29	150.8	142.1	158.1
Summary	142.8	125.0	156.9

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 95

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	134.9	134.1	136.3
Apr 2	134.8	133.7	136.4
Apr 3	135.0	134.0	135.9
Apr 4	135.0	134.0	136.5
Apr 5	133.8	132.8	134.8
Apr 6	133.9	132.7	135.3
Apr 7	133.8	133.0	134.7
Apr 8	133.7	132.4	135.7
Apr 9	134.4	132.7	136.4
Apr 10	134.8	133.5	136.4
Apr 11	134.8	133.6	136.0
Apr 12	134.8	133.3	136.5
Apr 13	134.5	134.0	135.0
Apr 14	134.4	133.7	135.3
Apr 15	134.5	133.4	136.2
Apr 16	134.0	132.2	135.8
Apr 17	134.1	133.1	135.6
Apr 18	134.5	133.4	136.1
Apr 19	132.6	131.5	133.8
Apr 20	133.0	132.2	133.7
Apr 21	133.5	131.8	135.3
Apr 22	134.0	132.8	135.5
Apr 23	134.1	132.9	136.0
Apr 24	134.1	133.0	135.8
Apr 25	133.1	131.7	133.7
Apr 26	133.4	131.8	135.7
Apr 27	133.2	131.4	135.7
Apr 28	133.1	131.1	134.2
Apr 29	133.3	132.0	134.3
Summary	134.0	132.6	135.0

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 96

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	122.2	117.2	123.9
Apr 2	122.2	117.3	126.1
Apr 3	122.5	117.8	125.7
Apr 4	122.1	115.3	126.1
Apr 5	120.4	114.5	123.5
Apr 6	120.7	117.4	122.5
Apr 7	120.1	114.5	122.4
Apr 8	119.3	115.5	122.0
Apr 9	119.9	111.0	123.7
Apr 10	118.6	112.7	125.1
Apr 11	120.9	115.9	125.0
Apr 12	121.5	114.9	125.7
Apr 13	123.3	121.3	124.5
Apr 14	122.4	117.6	123.9
Apr 15	123.0	120.6	126.0
Apr 16	122.2	115.4	124.4
Apr 17	122.9	119.9	124.0
Apr 18	121.9	116.9	127.2
Apr 19	119.4	114.3	123.6
Apr 20	121.5	118.5	123.8
Apr 21	122.6	119.8	126.4
Apr 22	123.2	120.7	126.0
Apr 23	123.2	113.9	127.3
Apr 24	122.6	115.4	127.4
Apr 25	124.4	121.7	125.6
Apr 26	124.0	119.7	125.7
Apr 27	124.2	121.7	127.5
Apr 28	124.7	120.6	127.0
Apr 29	125.6	118.7	127.2
Summary	122.1	118.6	125.6

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 97

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	148.6	146.6	151.5
Apr 2	147.9	146.4	150.6
Apr 3	147.7	145.8	151.4
Apr 4	147.4	145.0	150.2
Apr 5	144.3	141.2	147.2
Apr 6	144.4	141.9	147.5
Apr 7	144.1	139.9	146.6
Apr 8	143.8	141.3	148.5
Apr 9	146.0	141.8	152.4
Apr 10	148.1	143.1	151.7
Apr 11	146.8	144.1	151.8
Apr 12	147.4	143.2	153.4
Apr 13	145.8	143.9	148.5
Apr 14	145.1	142.7	149.0
Apr 15	145.8	143.2	150.1
Apr 16	146.5	144.2	150.1
Apr 17	146.0	143.5	150.3
Apr 18	147.8	144.9	154.3
Apr 19	143.0	140.2	147.9
Apr 20	142.9	140.9	144.3
Apr 21	145.0	141.4	149.1
Apr 22	146.6	144.3	150.9
Apr 23	148.7	144.9	155.7
Apr 24	150.0	145.7	158.4
Apr 25	147.6	146.1	151.3
Apr 26	148.6	145.0	156.4
Apr 27	148.3	144.3	155.8
Apr 28	147.5	141.3	151.0
Apr 29	147.9	145.9	149.4
Summary	146.5	142.9	150.0

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 98

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	68.2	51.9	92.3
Apr 2	72.3	62.1	93.3
Apr 3	74.2	63.5	88.7
Apr 4	74.8	63.8	91.9
Apr 5	69.1	62.6	75.4
Apr 6	66.6	56.6	78.3
Apr 7	67.3	57.7	79.2
Apr 8	68.0	56.6	83.8
Apr 9	70.1	57.1	89.8
Apr 10	70.1	55.0	87.4
Apr 11	72.9	60.7	94.0
Apr 12	77.9	66.0	96.4
Apr 13	72.9	63.5	82.9
Apr 14	66.6	50.0	88.9
Apr 15	71.3	50.3	96.4
Apr 16	74.8	64.8	92.0
Apr 17	71.7	56.6	93.4
Apr 18	76.8	63.2	92.4
Apr 19	67.9	60.0	75.0
Apr 20	68.3	59.6	80.3
Apr 21	73.2	59.4	88.0
Apr 22	77.5	67.0	90.3
Apr 23	80.4	68.5	96.4
Apr 24	81.6	72.6	93.5
Apr 25	78.1	73.2	83.8
Apr 26	82.6	75.4	94.8
Apr 27	82.7	74.1	97.0
Apr 28	80.3	73.7	87.2
Apr 29	82.4	78.6	88.3
Summary	73.8	66.6	82.7

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 99

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	143.4	142.4	145.3
Apr 2	143.5	142.4	145.4
Apr 3	143.7	142.8	144.8
Apr 4	143.8	142.8	145.3
Apr 5	142.6	141.0	143.9
Apr 6	142.3	141.2	143.7
Apr 7	142.2	141.4	143.1
Apr 8	141.6	140.2	143.8
Apr 9	141.7	139.5	144.4
Apr 10	142.5	140.9	144.3
Apr 11	142.8	141.3	144.6
Apr 12	142.9	140.6	145.7
Apr 13	142.8	142.2	143.6
Apr 14	142.9	141.8	144.4
Apr 15	140.1	120.1	145.5
Apr 16	120.1	113.7	126.9
Apr 17	132.9	127.4	136.6
Apr 18	137.6	135.4	140.0
Apr 19	135.9	133.0	137.6
Apr 20	137.4	135.8	139.3
Apr 21	138.8	136.0	141.5
Apr 22	139.9	138.4	142.3
Apr 23	140.4	138.7	142.6
Apr 24	140.6	139.2	142.9
Apr 25	139.6	138.3	140.7
Apr 26	140.1	137.7	142.6
Apr 27	139.8	137.6	143.1
Apr 28	139.8	135.9	141.7
Apr 29	140.5	139.4	141.4
Summary	140.1	120.1	143.8

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 100

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Apr 1	155.1	154.8	155.6
Apr 2	161.3	146.9	170.7
Apr 3	155.2	154.9	155.5
Apr 4	154.7	152.2	158.9
Apr 5	154.7	154.0	155.1
Apr 6	158.0	140.7	167.3
Apr 7	154.7	154.5	155.1
Apr 8	163.4	156.0	167.4
Apr 9	154.7	153.9	155.8
Apr 10	159.8	153.2	167.4
Apr 11	155.2	154.5	156.0
Apr 12	148.2	144.2	151.2
Apr 13	155.4	155.1	155.6
Apr 14	144.2	142.1	146.2
Apr 15	155.8	155.2	156.5
Apr 16	154.1	146.5	166.7
Apr 17	155.8	155.5	156.5
Apr 18	146.3	142.6	150.7
Apr 19	154.9	154.0	155.6
Apr 20	150.7	138.0	165.0
Apr 21	155.5	154.6	156.4
Apr 22	154.0	146.3	164.4
Apr 23	156.2	155.5	157.0
Apr 24	153.6	144.0	165.9
Apr 25	156.1	155.7	156.4
Apr 26	141.8	139.2	143.8
Apr 27	156.2	155.4	157.2
Apr 28	150.8	143.7	163.3
Apr 29	156.6	156.2	156.9
Summary	155.5	154.5	156.6

Appendix D

Solid Waste Permit 588 Daily Borehole Temperature Averages

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Solid Waste Permit 588 Daily Borehole Temperature Averages for Borehole 1

Date	Depth from Surface					
	25 ft	50 ft	75 ft	100 ft	125 ft	150 ft
1-Apr	157.0	227.9	225.3	230.3	250.3	261.2
2-Apr	157.1	228.1	225.4	230.5	250.5	261.5
3-Apr	157.2	228.5	225.4	230.4	250.5	261.5
4-Apr	157.2	228.2	225.4	230.7	250.6	261.4
5-Apr	156.9	225.9	225.1	231.7	250.3	261.0
6-Apr	156.7	224.3	224.8	232.7	250.1	260.8
7-Apr	156.8	222.9	224.8	233.5	250.1	261.0
8-Apr	156.8	222.5	224.9	233.9	250.2	261.1
9-Apr	156.9	222.7	225.0	234.1	250.4	261.1
10-Apr	157.0	222.9	225.0	234.2	250.5	261.3
11-Apr	157.1	223.0	225.1	234.3	250.6	261.4
12-Apr	157.3	223.6	225.4	234.3	250.7	261.5
13-Apr	157.2	223.6	225.3	234.4	250.8	261.5
14-Apr	157.3	223.5	225.2	234.4	250.6	261.4
15-Apr	157.4	224.4	225.3	234.2	250.7	261.4
16-Apr	157.5	223.7	225.4	234.7	250.7	261.5
17-Apr	157.4	223.8	225.2	234.5	250.6	261.4
18-Apr	157.6	223.9	225.4	234.8	250.8	261.6
19-Apr	157.0	223.3	224.8	234.2	250.1	260.9
20-Apr	156.8	223.3	224.7	234.2	250.1	260.9
21-Apr	157.1	223.5	224.9	234.7	250.3	261.1
22-Apr	157.3	223.6	224.9	235.3	250.5	261.2
23-Apr	157.4	223.5	224.8	236.4	250.8	261.3
24-Apr	157.5	223.4	224.6	237.1	251.0	261.4
25-Apr	157.1	222.8	224.1	237.5	250.8	261.2
26-Apr	157.6	223.2	224.4	238.2	251.3	261.7
27-Apr	157.6	223.2	224.5	238.3	251.3	261.5
28-Apr	157.4	223.0	224.2	238.4	251.3	261.4
29-Apr	157.5	223.1	224.3	238.5	251.4	261.4
30-Apr	157.4	223.3	224.2	237.8	251.2	261.0
Average	157.2	224.1	224.9	234.6	250.6	261.3

Solid Waste Permit 588 Daily Borehole Temperature Averages for Borehole 5

Date	Depth from Surface							
	25 ft	50 ft	75 ft	100 ft	125 ft	150 ft	175 ft	200 ft
1-Apr	143.7	212.2	212.5	222.2	230.7	233.3	205.7	202.2
2-Apr	143.4	212.1	212.3	222.1	230.6	233.1	205.5	202.0
3-Apr	143.4	212.1	212.4	222.1	230.6	233.1	205.4	201.9
4-Apr	143.5	212.2	212.4	222.1	230.6	233.1	205.4	202.0
5-Apr	143.0	212.0	212.3	222.0	230.5	232.9	205.2	201.9
6-Apr	142.9	211.9	212.2	221.9	230.4	232.8	205.0	201.7
7-Apr	142.6	211.8	212.1	221.7	230.2	232.7	204.8	201.5
8-Apr	142.8	212.0	212.3	221.9	230.5	232.8	204.9	201.8
9-Apr	143.0	212.1	212.4	222.1	230.6	232.9	205.0	201.9
10-Apr	143.0	212.0	212.3	221.9	230.5	232.8	204.7	201.7
11-Apr	142.8	212.2	212.4	222.1	230.8	233.0	204.8	201.9
12-Apr	143.1	212.2	212.5	222.1	230.9	233.1	204.8	201.9
13-Apr	142.9	212.2	212.5	222.2	230.9	233.0	204.8	201.9
14-Apr	142.8	212.1	212.4	222.1	230.8	232.9	204.7	201.8
15-Apr	142.6	212.2	212.5	222.2	231.1	233.1	204.9	202.0
16-Apr	142.8	212.2	212.5	222.2	231.1	233.1	204.8	201.9
17-Apr	142.6	212.2	212.5	222.3	231.2	233.2	204.9	202.0
18-Apr	142.6	212.1	212.4	222.3	231.2	233.1	204.9	202.0
19-Apr	142.0	211.7	211.9	221.9	230.8	232.7	204.6	201.6
20-Apr	141.8	211.5	211.8	221.8	230.7	232.6	204.5	201.4
21-Apr	142.1	211.7	212.0	222.0	230.9	232.8	204.7	201.6
22-Apr	142.2	211.8	212.1	222.1	231.1	232.9	204.7	201.7
23-Apr	142.4	211.8	212.1	222.1	231.0	232.8	204.7	201.8
24-Apr	142.4	212.0	212.2	222.2	231.2	233.0	204.8	201.9
25-Apr	142.1	211.7	211.9	222.0	230.9	232.7	204.5	201.6
26-Apr	142.3	211.9	212.2	222.2	231.2	232.9	204.7	201.8
27-Apr	142.5	211.9	212.2	222.2	231.2	232.9	204.6	201.8
28-Apr	142.2	211.7	212.0	222.1	231.1	232.8	204.4	201.7
29-Apr	142.3	211.7	212.0	222.1	231.2	232.9	204.4	201.7
30-Apr	142.2	211.5	211.9	221.9	231.0	232.7	204.2	201.5
Average	142.7	212.0	212.2	222.1	230.8	232.9	204.8	201.8

Solid Waste Permit 588 Daily Borehole Temperature Averages for Borehole 6

Date	Depth from Surface				
	25 ft	50 ft	75 ft	100 ft	125 ft
1-Apr	143.0	190.2	*	187.5	191.8
2-Apr	142.8	189.8	*	189.8	192.9
3-Apr	142.9	190.4	*	189.9	193.0
4-Apr	142.8	190.5	*	190.1	193.1
5-Apr	144.0	188.8	*	188.0	191.1
6-Apr	142.4	189.7	*	188.2	191.5
7-Apr	142.4	190.4	*	189.6	193.1
8-Apr	142.5	190.1	*	189.8	193.0
9-Apr	142.8	191.2	*	190.6	194.0
10-Apr	142.7	192.2	*	191.9	195.2
11-Apr	142.6	191.8	*	192.4	195.4
12-Apr	142.8	192.3	*	193.0	196.0
13-Apr	142.7	192.5	*	193.4	196.4
14-Apr	142.6	192.3	*	193.7	196.5
15-Apr	142.6	190.9	*	194.0	196.7
16-Apr	142.6	193.0	*	196.0	198.2
17-Apr	142.6	189.3	*	192.1	193.7
18-Apr	142.2	190.0	*	193.3	195.7
19-Apr	142.2	187.7	*	190.9	192.9
20-Apr	142.2	188.5	*	191.5	193.7
21-Apr	142.4	191.7	*	194.5	196.9
22-Apr	142.4	192.1	*	195.1	197.3
23-Apr	142.5	192.1	*	194.9	197.0
24-Apr	142.2	194.5	*	197.5	199.3
25-Apr	142.0	191.3	*	193.7	195.5
26-Apr	142.4	192.5	*	194.7	196.1
27-Apr	142.4	195.6	*	197.5	199.5
28-Apr	142.3	195.8	*	197.9	199.7
29-Apr	142.1	191.4	*	193.6	195.3
30-Apr	141.9	191.0	*	193.4	195.0
Average	142.5	191.3	*	192.6	195.2

* Indicates sensor reading issues

Solid Waste Permit 588 Daily Borehole Temperature Averages for Borehole 8

Date	Depth from Surface							
	25 ft	50 ft	75 ft	100 ft	125 ft	150 ft	175 ft	200 ft
1-Apr	172.0	193.3	193.5	195.8	199.7	199.4	187.0	168.6
2-Apr	172.3	193.3	193.5	195.8	199.6	199.3	186.9	168.5
3-Apr	172.3	193.3	193.5	195.8	199.6	199.3	187.0	168.5
4-Apr	174.1	193.3	193.5	195.8	199.7	199.3	187.0	168.6
5-Apr	171.8	193.1	193.4	195.6	199.5	199.2	186.9	168.5
6-Apr	170.4	192.9	193.1	195.5	199.3	199.0	186.7	168.3
7-Apr	170.5	192.9	193.1	195.5	199.2	198.9	186.6	168.1
8-Apr	172.3	193.0	193.3	195.6	199.4	199.0	186.8	168.3
9-Apr	176.8	193.1	193.4	195.8	199.5	199.2	186.9	168.5
10-Apr	177.7	193.1	193.3	195.6	199.4	199.0	186.9	168.3
11-Apr	178.5	193.2	193.4	195.7	199.5	199.2	186.9	168.4
12-Apr	179.2	193.3	193.6	195.9	199.7	199.3	187.1	168.6
13-Apr	179.4	193.3	193.6	195.8	199.6	199.3	187.1	168.6
14-Apr	180.1	193.3	193.5	195.8	199.6	199.3	187.2	168.6
15-Apr	180.4	193.3	193.5	195.8	199.6	199.3	187.2	168.7
16-Apr	180.8	193.3	193.6	195.8	199.6	199.4	187.2	168.7
17-Apr	180.8	193.3	193.6	195.8	199.7	199.4	187.3	168.8
18-Apr	180.9	193.2	193.5	195.7	199.6	199.3	187.2	168.7
19-Apr	179.9	193.0	193.2	195.4	199.3	199.0	186.9	168.3
20-Apr	179.2	192.9	193.1	195.4	199.2	198.9	186.7	168.2
21-Apr	179.6	193.0	193.3	195.6	199.4	199.0	186.8	168.4
22-Apr	180.3	193.1	193.4	195.6	199.4	199.1	186.9	168.4
23-Apr	180.7	193.2	193.4	195.7	199.5	199.2	187.1	168.6
24-Apr	181.0	193.2	193.5	195.6	199.5	199.2	187.2	168.6
25-Apr	181.1	193.1	193.2	195.4	199.3	198.8	187.0	168.4
26-Apr	181.0	193.3	193.5	195.6	199.5	199.1	187.2	168.6
27-Apr	180.7	193.2	193.5	195.7	199.4	199.0	187.0	168.5
28-Apr	181.0	193.2	193.4	195.6	199.2	199.0	187.0	168.4
29-Apr	181.4	193.2	193.5	195.6	199.3	199.0	187.0	168.5
30-Apr	180.8	193.0	193.2	195.3	199.0	198.8	186.7	168.2
Average	177.9	193.2	193.4	195.7	199.5	199.1	187.0	168.5

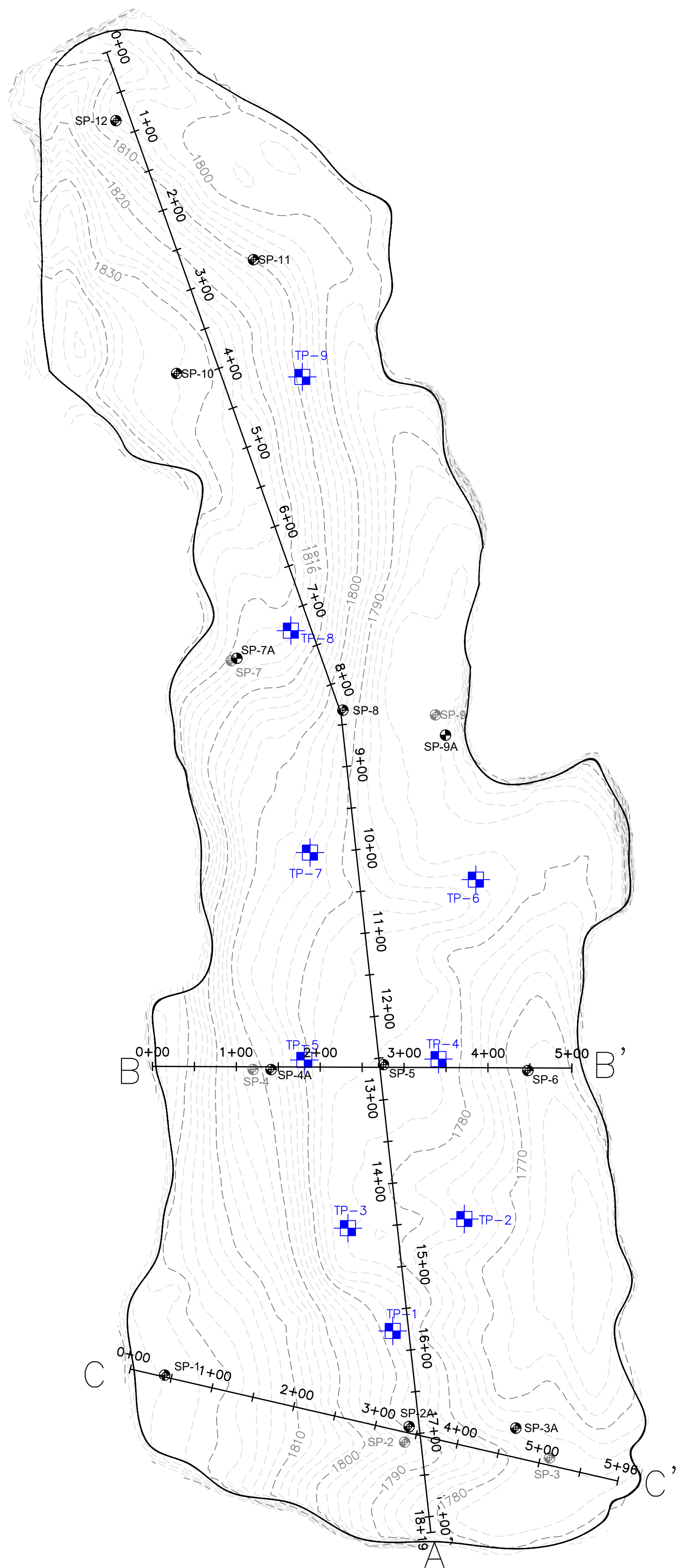
Solid Waste Permit 588 Daily Borehole Temperature Averages for Borehole 9

Date	Depth from Surface							
	25 ft	50 ft	75 ft	100 ft	125 ft	150 ft	175 ft	200 ft
1-Apr	111.0	149.7	149.3	147.7	143.1	130.2	115.0	101.8
2-Apr	111.1	149.8	149.3	147.8	143.1	130.3	115.1	102.0
3-Apr	111.1	149.8	149.4	147.7	143.0	130.2	115.0	102.0
4-Apr	111.1	149.9	149.4	147.8	143.1	130.2	115.0	102.0
5-Apr	110.7	149.4	148.9	147.5	142.7	129.9	114.6	101.5
6-Apr	110.5	149.2	148.8	147.2	142.5	129.6	114.4	101.4
7-Apr	110.4	149.3	148.9	147.3	142.5	129.6	114.3	101.4
8-Apr	110.6	149.4	149.1	147.3	142.6	129.7	114.4	101.5
9-Apr	110.9	149.7	149.4	147.4	142.7	129.8	114.6	101.8
10-Apr	110.8	149.7	149.4	147.5	142.7	129.8	114.6	101.7
11-Apr	110.9	149.8	149.4	147.6	142.8	129.9	114.7	101.9
12-Apr	111.3	150.1	149.7	147.8	143.1	130.2	115.0	102.2
13-Apr	111.2	150.0	149.7	147.6	142.9	130.2	114.8	102.1
14-Apr	111.0	149.8	149.5	147.5	142.8	130.0	114.7	102.0
15-Apr	111.2	150.0	149.6	147.7	143.0	130.1	114.9	102.2
16-Apr	111.3	150.1	149.7	147.8	142.9	130.2	115.0	102.2
17-Apr	111.3	150.1	149.7	147.9	142.9	130.3	115.0	102.3
18-Apr	111.3	150.1	149.8	147.9	142.9	130.3	115.0	102.4
19-Apr	110.8	149.5	149.2	147.3	142.3	129.6	114.4	101.8
20-Apr	110.6	149.4	149.1	147.1	142.1	129.4	114.2	101.6
21-Apr	110.8	149.7	149.3	147.3	142.4	129.7	114.5	101.9
22-Apr	111.0	149.8	149.5	147.3	142.5	129.8	114.6	102.1
23-Apr	111.2	150.0	149.7	147.6	142.8	130.0	114.8	102.4
24-Apr	111.2	150.0	149.7	147.6	142.8	130.0	114.9	102.5
25-Apr	110.8	149.7	149.4	147.2	142.5	129.7	114.5	102.1
26-Apr	111.3	150.1	149.8	147.6	142.9	130.1	114.9	102.6
27-Apr	111.2	150.1	149.9	147.5	142.9	130.0	114.9	102.6
28-Apr	111.1	150.0	149.7	147.3	142.7	129.8	114.7	102.4
29-Apr	111.2	150.0	149.7	147.4	142.7	129.9	114.7	102.4
30-Apr	111.0	149.8	149.6	147.2	142.5	129.6	114.5	102.3
Average	111.0	149.8	149.4	147.5	142.7	129.9	114.7	102.0



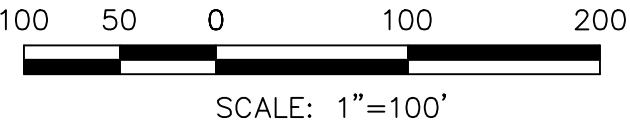
Appendix E

Monthly Topography Analysis



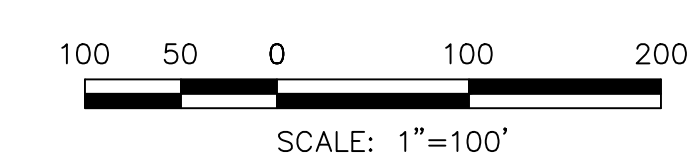
- LEGEND**
- MAJOR CONTOURS (EVERY 10')
 - MINOR CONTOURS (EVERY 2')
 - APPROXIMATE SIDEWALL LOCATION
 - SP-8 SETTLEMENT PLATE
 - SP-9 DECOMMISSIONED SETTLEMENT PLATE
 - TP-3 TEMPERATURE MONITORING PROBE

- NOTES:**
- GRADES SHOWN AS CONTOUR LINES ONLY WITHIN THE PERMIT 588 BOUNDARY. REPRESENT THE TOPOGRAPHY CAPTURED ON APRIL 16, 2025 BY SCS ENGINEERS.
 - ANY DETERMINATION OF TOPOGRAPHY OR CONTOURS, OR ANY DEPICTION OF PHYSICAL IMPROVEMENTS, PROPERTY LINES, OR BOUNDARIES IS FOR GENERAL INFORMATION ONLY AND SHALL NOT BE USED FOR DESIGN, MODIFICATION, OR CONSTRUCTION OF IMPROVEMENTS TO REAL PROPERTY OR FLOOD PLAIN DETERMINATION.
 - THE HORIZONTAL DATUM IS STATE PLANE VIRGINIA SOUTH ZONE NAD-83 (2011).
 - THE VERTICAL DATUM IS BASED UPON NAVD-88.



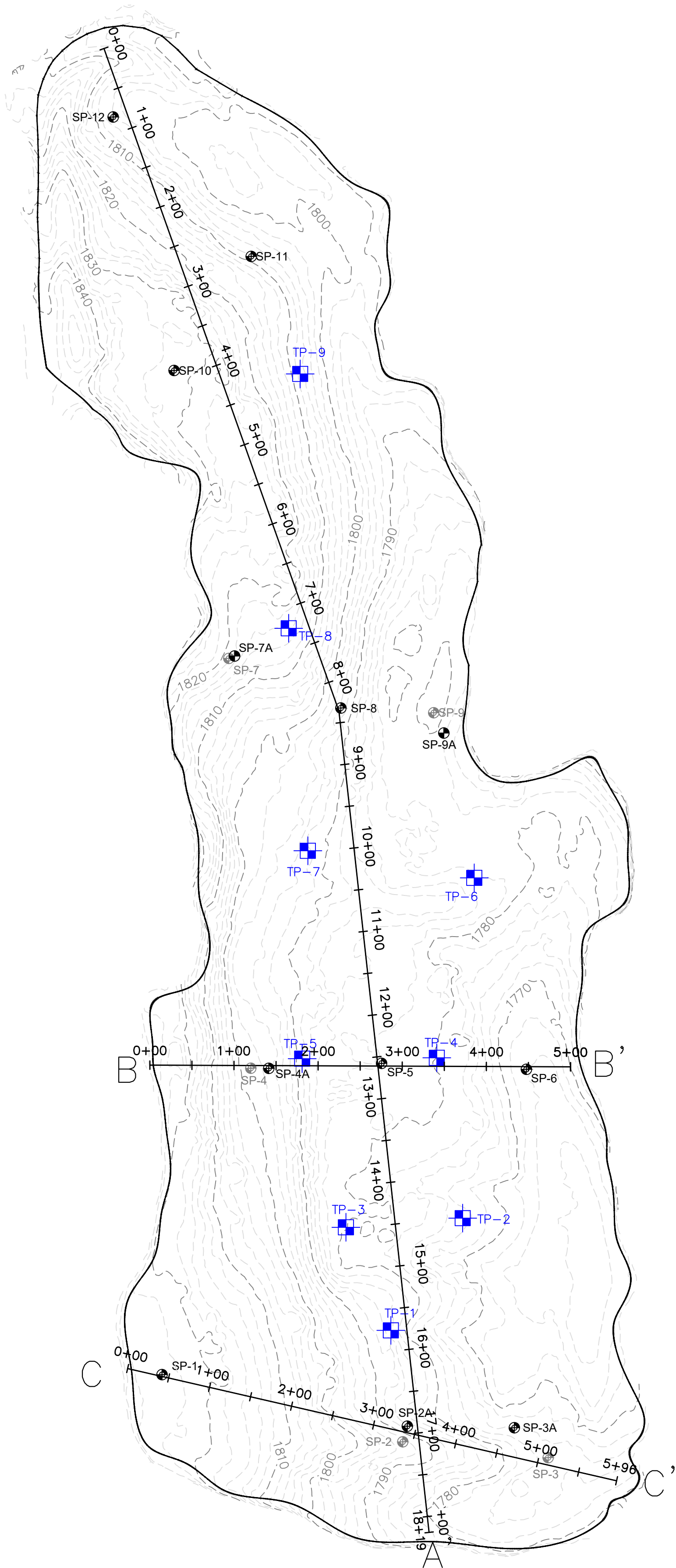
SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC. 15521 MIDLOTHIAN TPK - MIDLOTHIAN, VA 23113 PH. (804) 378-7440 FAX. (804) 378-7433		PROJ. NO. 02218208.05		DWG. BY: C.J.W.		CHK. BY: C.J.W.		APP. BY: C.J.W.	
		ISSN. BY:							
CADD FILE: SURF COMP		DATE: 5/1/2026		SCALE:		DRAWING NO.		1	

CLIENT CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY 2655 VALLEY DRIVE BRISTOL, VIRGINIA 24201	SHEET TITLE LANDFILL TOPOGRAPHY	NO. △



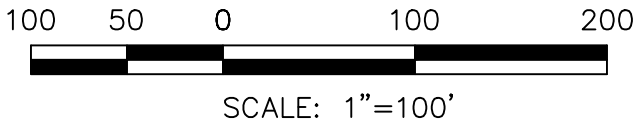
- NOTES:
1. GRADES SHOWN AS CONTOUR LINES ONLY WITHIN THE PERMIT 588 BOUNDARY REPRESENT THE TOPOGRAPHY CAPTURED ON JANUARY 13, 2026 BY SC5 ENGINEERS.
 2. ANY DETERMINATION OF TOPOGRAPHY OR CONTOURS, OR ANY DEPICTION OF PHYSICAL IMPROVEMENTS, PROPERTY LINES, OR BOUNDARIES IS FOR GENERAL INFORMATION ONLY AND SHALL NOT BE USED FOR DESIGN, MODIFICATION, OR CONSTRUCTION OF IMPROVEMENTS TO REAL PROPERTY OR FLOOD PLAIN DETERMINATION.
 3. THE HORIZONTAL DATUM IS STATE PLANE VIRGINIA SOUTH ZONE NAD-83 (2011).
 4. THE VERTICAL DATUM IS BASED UPON NAVD-88.

SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC. 15521 MIDLOTHIAN TPK. - MIDLOTHIAN, VA 23113 PH. (804) 378-7440 FAX. (804) 378-7433	CADD FILE: SURF COMP		PROJ. NO. 02218208.05	DWN. BY: WMM	C/A SWM BY: C.J.W
	DATE: 5/1/2026		DES. BY: SRB	CHK. BY: C.J.W	APP. BY: C.J.W
	SCALE:				
	DRAWING NO.				
	2		3		
CLIENT CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY 2655 VALLEY DRIVE BRISTOL, VIRGINIA 24201			SHEET TITLE JANUARY 2026 LANDFILL TOPOGRAPHY		NO.
			PROJECT TITLE MONTHLY TOPOGRAPHY ANALYSIS SOLID WASTE PERMIT #588		REVISION
					DATE



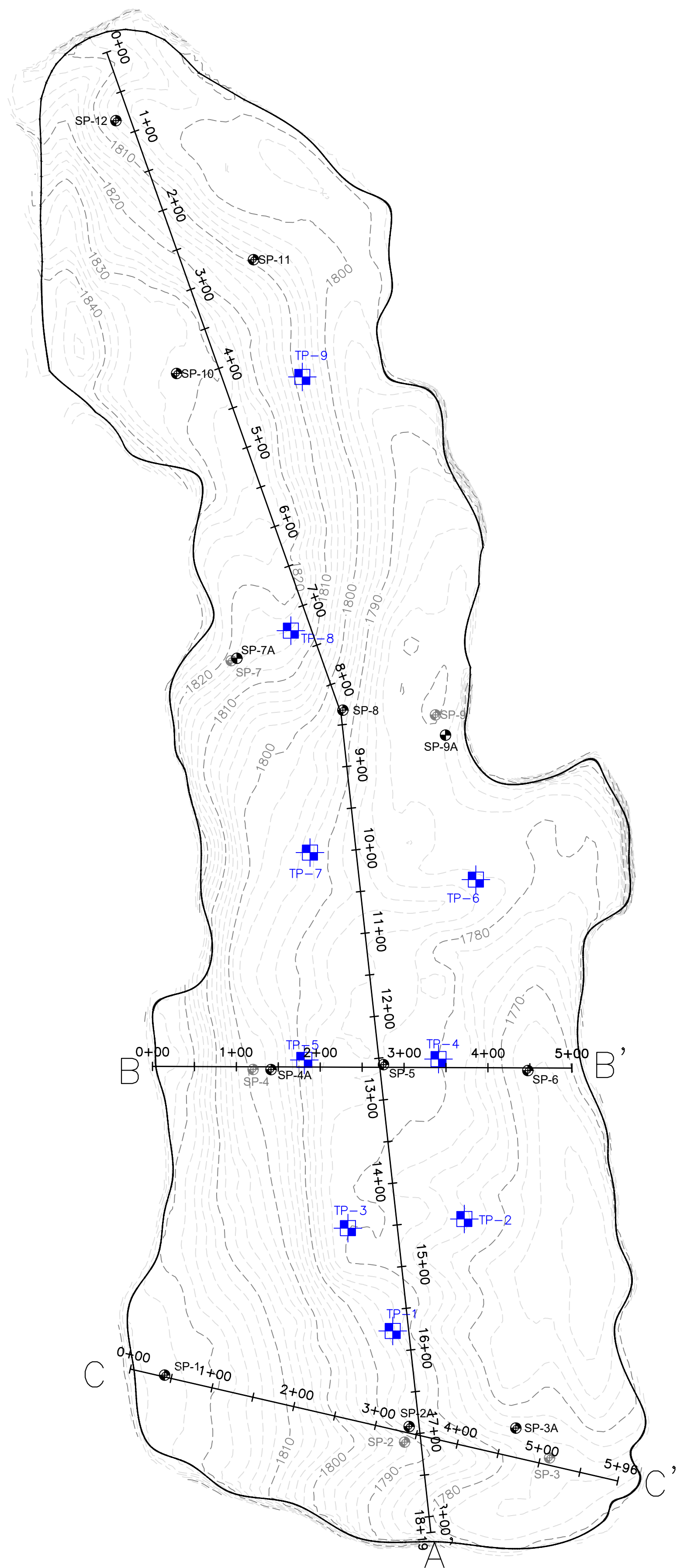
- LEGEND
- MAJOR CONTOURS (EVERY 10')
 - MINOR CONTOURS (EVERY 2')
 - APPROXIMATE SIDEWALL LOCATION
 - SP-8 SETTLEMENT PLATE
 - SP-9 DECOMMISSIONED SETTLEMENT PLATE
 - TP-3 TEMPERATURE MONITORING PROBE

- NOTES:
- GRADES SHOWN AS CONTOUR LINES ONLY WITHIN THE PERMIT 588 BOUNDARY REPRESENT THE TOPOGRAPHY CAPTURED ON MARCH 24, 2026 BY SCS ENGINEERS.
 - ANY DETERMINATION OF TOPOGRAPHY OR CONTOURS, OR ANY DEPICTION OF PHYSICAL IMPROVEMENTS, PROPERTY LINES, OR BOUNDARIES IS FOR GENERAL INFORMATION ONLY AND SHALL NOT BE USED FOR DESIGN, MODIFICATION, OR CONSTRUCTION OF IMPROVEMENTS TO REAL PROPERTY OR FLOOD PLAIN DETERMINATION.
 - THE HORIZONTAL DATUM IS STATE PLANE VIRGINIA SOUTH ZONE NAD-83 (2011).
 - THE VERTICAL DATUM IS BASED UPON NAVD-88.



SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC. 15521 MIDLOTHIAN TPK - MIDLOTHIAN, VA 23113 PH. (804) 378-7440 FAX. (804) 378-7433		Q/A RW BY: C/JW	
		CHK. BY: C/JW	
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SCALE:		C/JW	
DRAWING NO.		C/JW	
3		3	

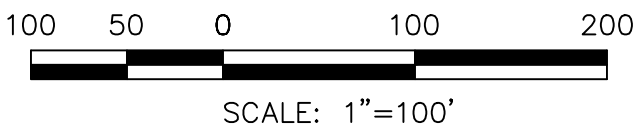
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	LANDFILL TOPOGRAPHY				
	PROJECT TITLE				
	MONTHLY TOPOGRAPHY ANALYSIS SOLID WASTE PERMIT #588				
SHEET TITLE		NO.		DATE	



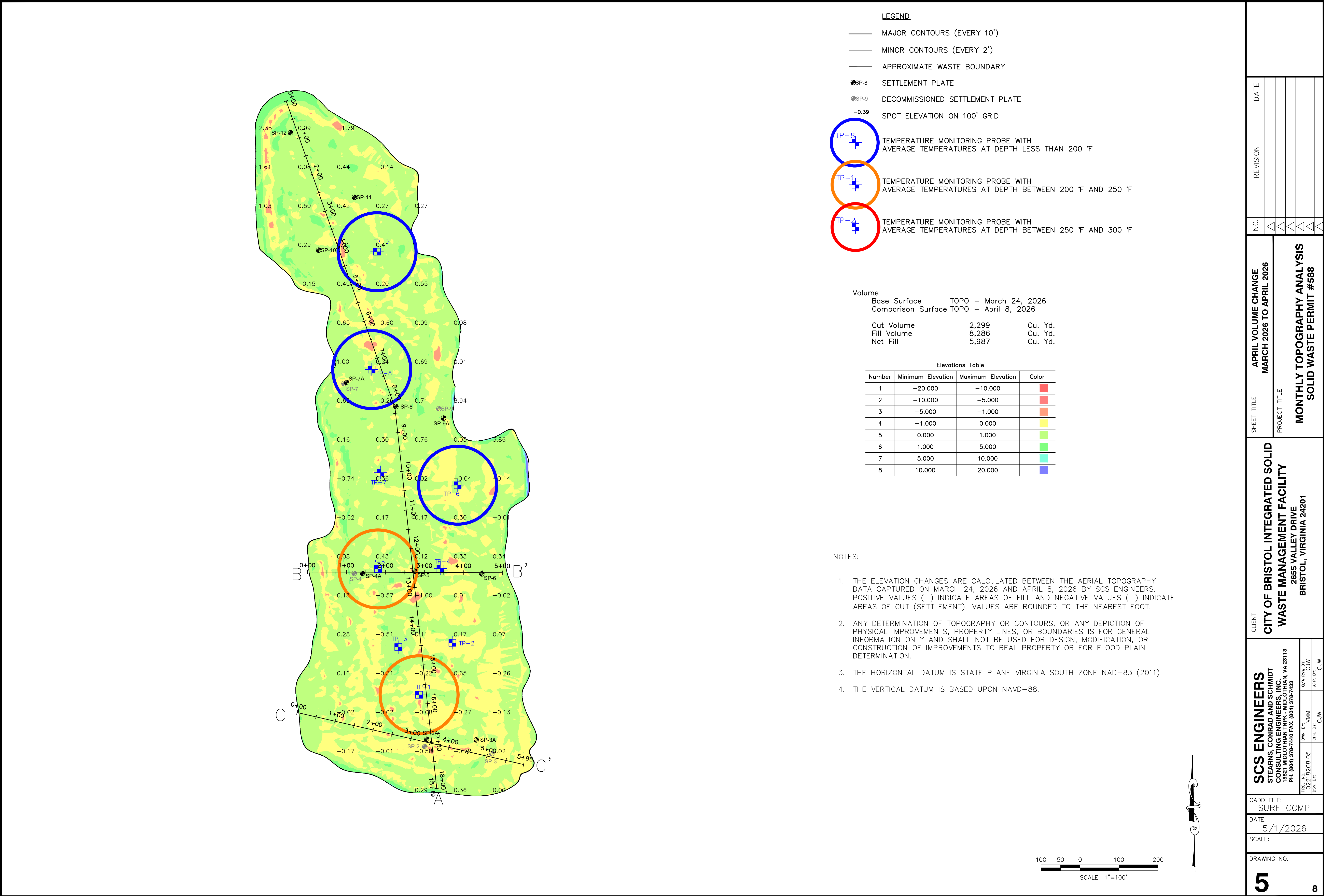
- LEGEND**
- MAJOR CONTOURS (EVERY 10')
 - MINOR CONTOURS (EVERY 2')
 - APPROXIMATE SIDEWALL LOCATION
 - SETTLEMENT PLATE
 - DECOMMISSIONED SETTLEMENT PLATE
 - TEMPERATURE MONITORING PROBE

NOTES:

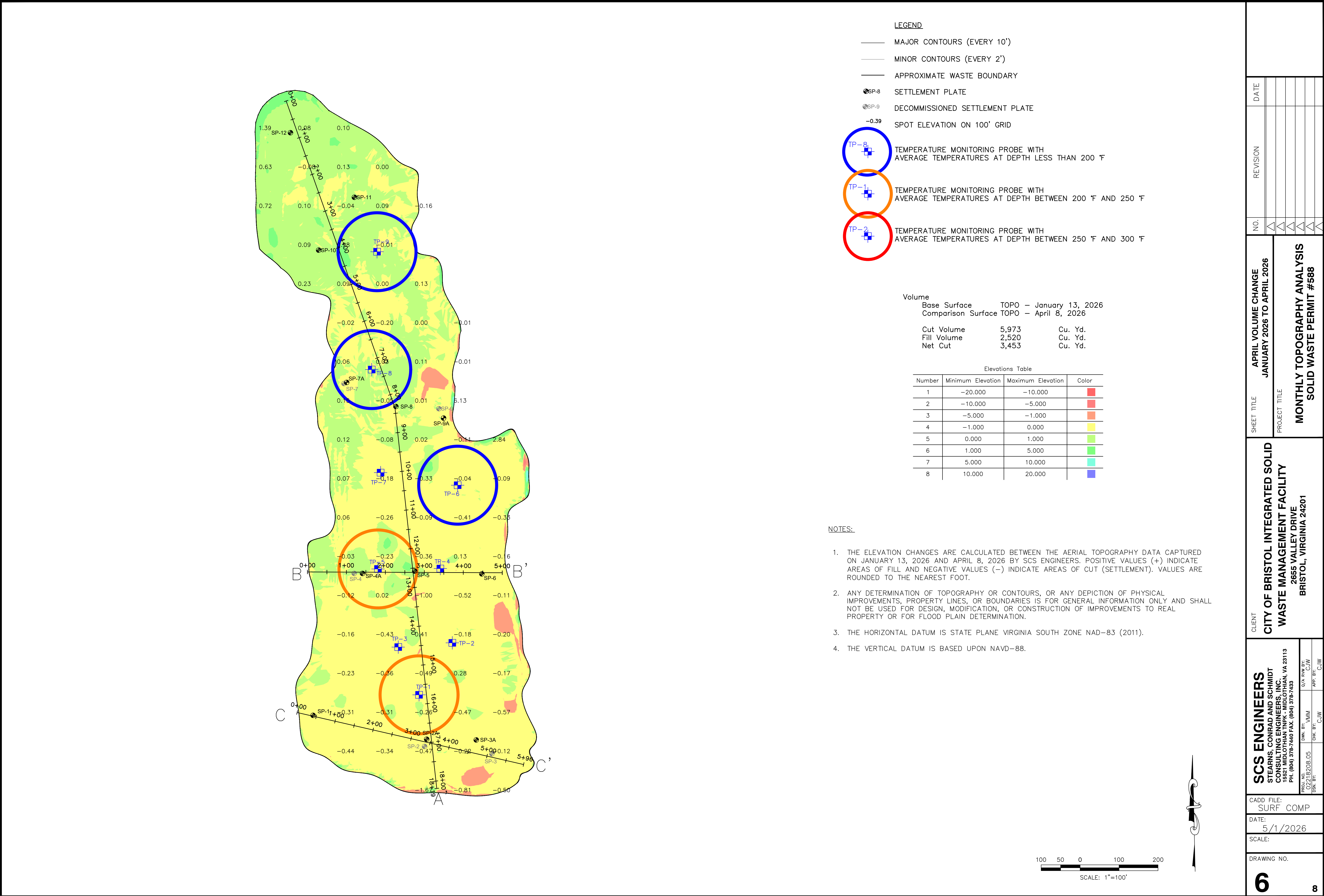
- GRADES SHOWN AS CONTOUR LINES ONLY WITHIN THE PERMIT 588 BOUNDARY REPRESENT THE TOPOGRAPHY CAPTURED ON APRIL 8, 2026 BY SCS ENGINEERS.
- ANY DETERMINATION OF TOPOGRAPHY OR CONTOURS, OR ANY DEPICTION OF PHYSICAL IMPROVEMENTS, PROPERTY LINES, OR BOUNDARIES IS FOR GENERAL INFORMATION ONLY AND SHALL NOT BE USED FOR DESIGN, MODIFICATION, OR CONSTRUCTION OF IMPROVEMENTS TO REAL PROPERTY OR FLOOD PLAIN DETERMINATION.
- THE HORIZONTAL DATUM IS STATE PLANE VIRGINIA SOUTH ZONE NAD-83 (2011).
- THE VERTICAL DATUM IS BASED UPON NAVD-88.



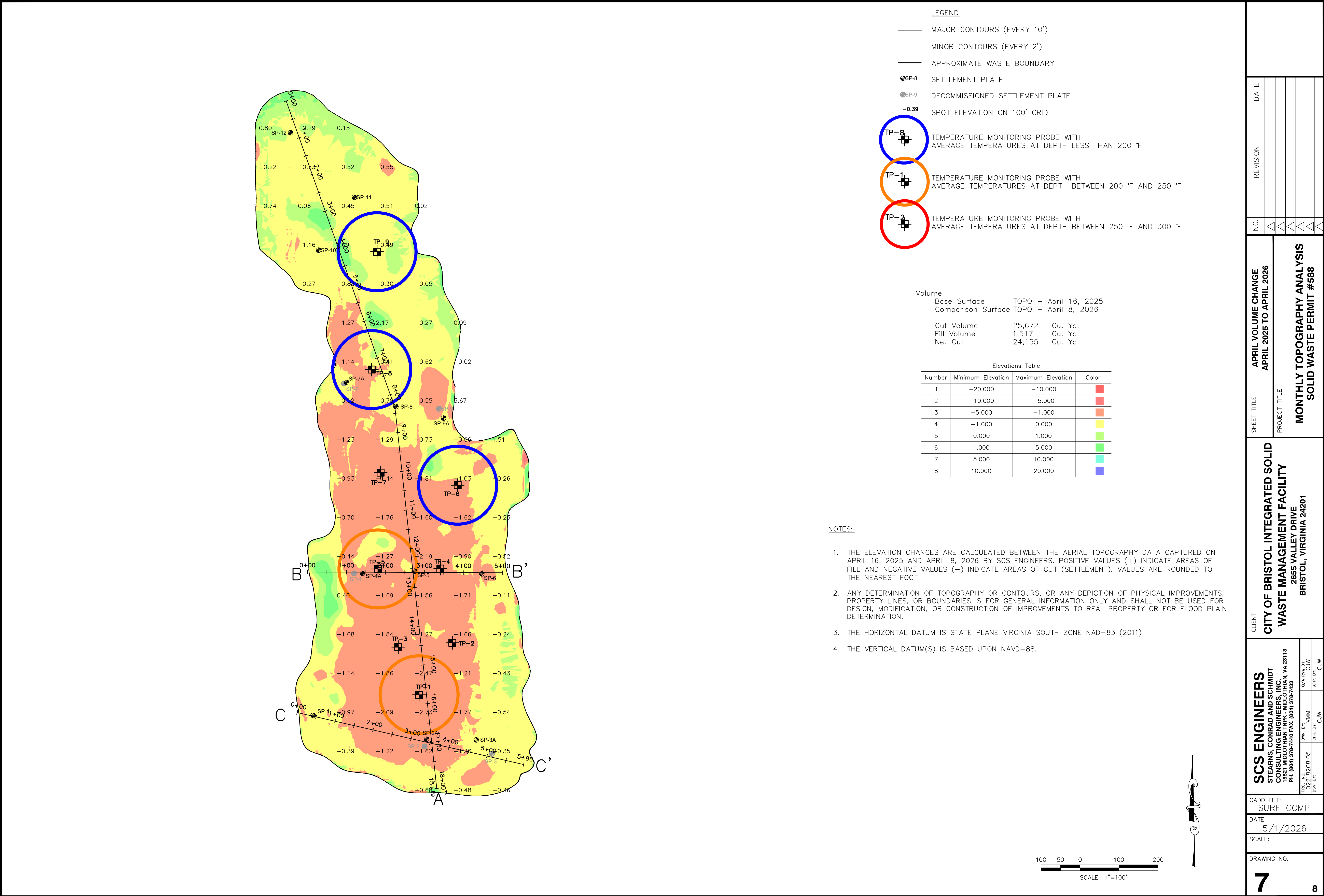
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CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY		LANDFILL TOPOGRAPHY					
2655 VALLEY DRIVE BRISTOL, VIRGINIA 24201		PROJECT TITLE					
		MONTHLY TOPOGRAPHY ANALYSIS					
		SOLID WASTE PERMIT #588					
SCS ENGINEERS		DWN. BY: C.J.W.		CHK. BY: C.J.W.		APP. BY: C.J.W.	
STEARNs, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC.		O/A RW BY: C.J.W.		O/A RW BY: C.J.W.		O/A RW BY: C.J.W.	
1523 MIDLOTHIAN TPK - MIDLOTHIAN, VA 23113		CADD FILE:		SURF COMP		DATE:	
PH: (804) 378-7440 FAX: (804) 378-7433		DATE:		5/1/2026		SCALE:	
PROJ. NO. 220208.05		DRAWING NO.		4		8	



CLIENT	CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY 2655 VALLEY DRIVE BRISTOL, VIRGINIA 24201	SHEET TITLE APRIL VOLUME CHANGE MARCH 2026 TO APRIL 2026	NO.	REVISION	DATE
PROJECT TITLE	MONTHLY TOPOGRAPHY ANALYSIS SOLID WASTE PERMIT #588	PROJECT TITLE	NO.	REVISION	DATE
SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC. 15521 MIDLOTHIAN TPK - MIDLOTHIAN, VA 23113 PH: (804) 378-7440 FAX: (804) 378-7433	CADD FILE: SURF COMP	DATE: 5/1/2026	SCALE:	DRAWING NO.	8



SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC. 15521 MIDLOTHIAN TPK - MIDLOTHIAN, VA 23113 PH: (804) 378-7440 FAX: (804) 378-7433		CADD FILE: SURF COMP		DATE: 5/1/2026		SCALE:		DRAWING NO. 6			
		PROJ. NO. 220208.05 DWN. BY: C.J.W. CHK. BY: C.J.W. APP. BY: C.J.W.		O/A RW BY: C.J.W.		DATE: 5/1/2026		SCALE:			
CLIENT CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY 2655 VALLEY DRIVE BRISTOL, VIRGINIA 24201		SHEET TITLE		APRIL VOLUME CHANGE JANUARY 2026 TO APRIL 2026		NO.		REVISION		DATE	
		PROJECT TITLE		MONTHLY TOPOGRAPHY ANALYSIS SOLID WASTE PERMIT #588		NO.		REVISION		DATE	
		PROJECT TITLE		MONTHLY TOPOGRAPHY ANALYSIS SOLID WASTE PERMIT #588		NO.		REVISION		DATE	
		PROJECT TITLE		MONTHLY TOPOGRAPHY ANALYSIS SOLID WASTE PERMIT #588		NO.		REVISION		DATE	



LEGEND

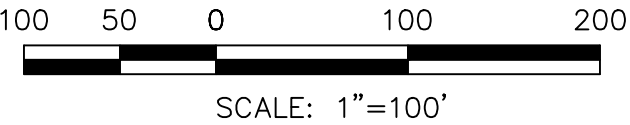
- MAJOR CONTOURS (EVERY 10')
- MINOR CONTOURS (EVERY 2')
- APPROXIMATE WASTE BOUNDARY
- SP-8 SETTLEMENT PLATE
- SP-9 DECOMMISSIONED SETTLEMENT PLATE
- SPOT ELEVATION ON 100' GRID
- TP-8 TEMPERATURE MONITORING PROBE WITH AVERAGE TEMPERATURES AT DEPTH LESS THAN 200 °F
- TP-1 TEMPERATURE MONITORING PROBE WITH AVERAGE TEMPERATURES AT DEPTH BETWEEN 200 °F AND 250 °F
- TP-2 TEMPERATURE MONITORING PROBE WITH AVERAGE TEMPERATURES AT DEPTH BETWEEN 250 °F AND 300 °F

Volume			
Base Surface	TOPO	April 16, 2025	
Comparison Surface	TOPO	April 8, 2026	
Cut Volume	25,672	Cu. Yd.	
Fill Volume	1,517	Cu. Yd.	
Net Cut	24,155	Cu. Yd.	

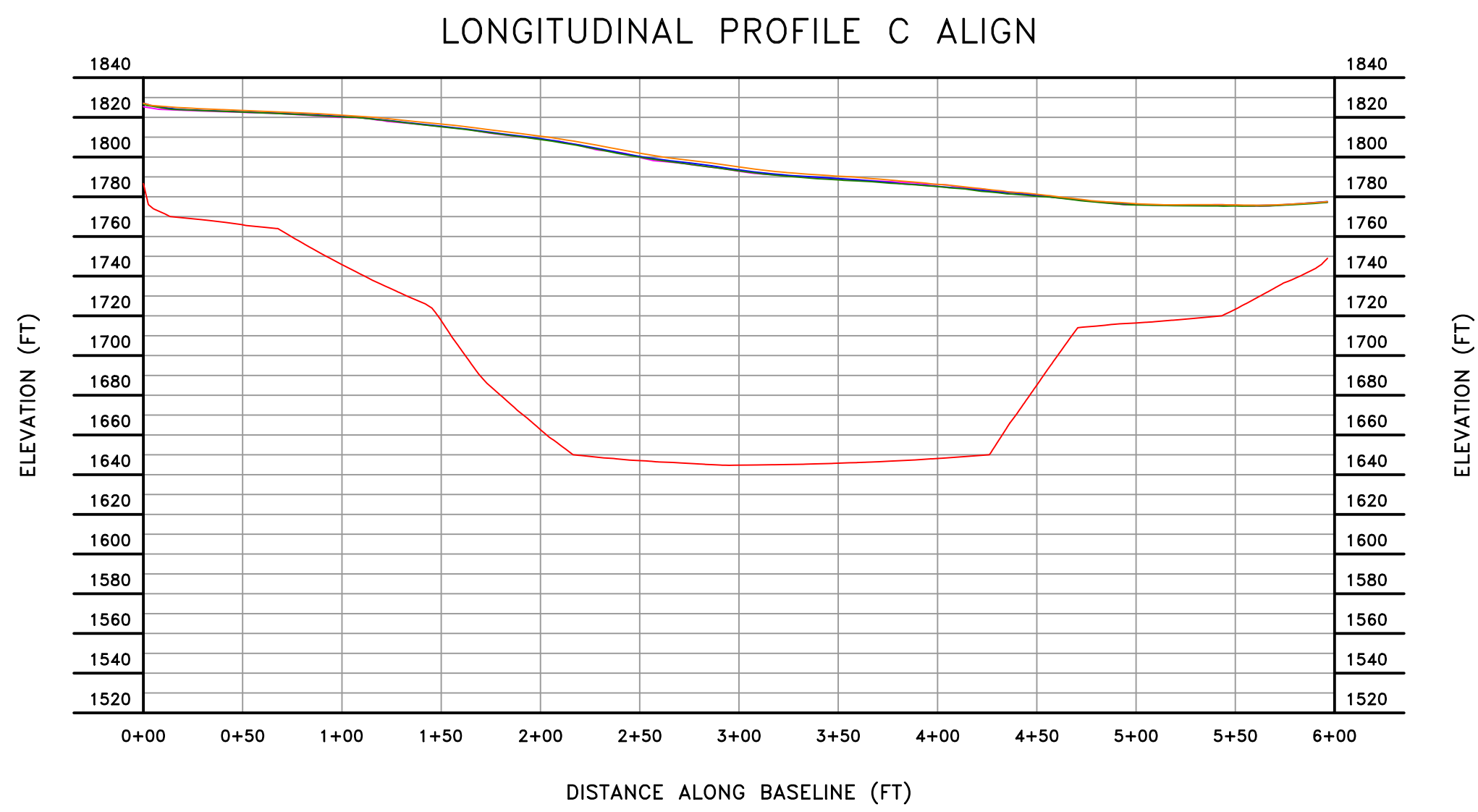
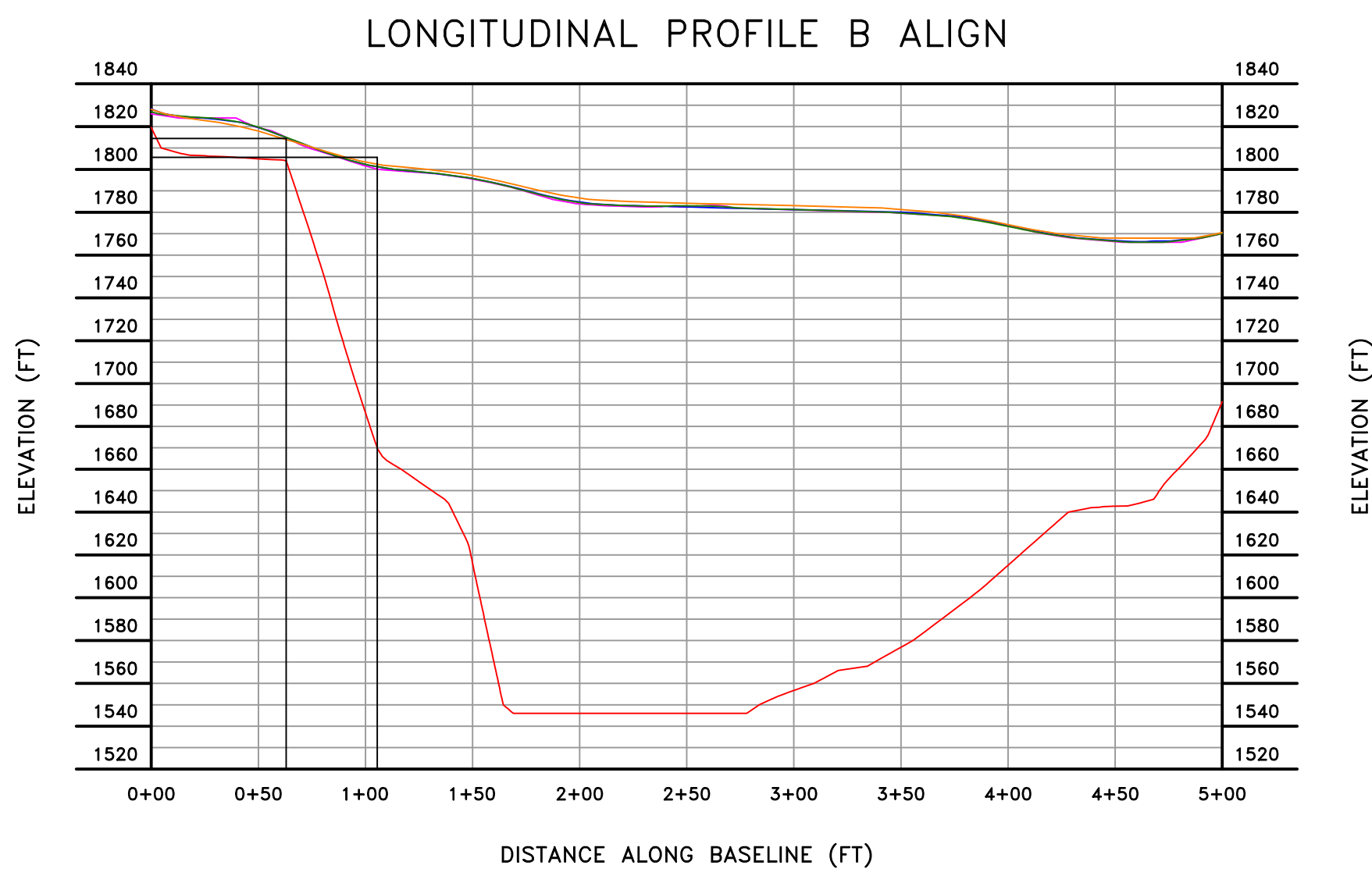
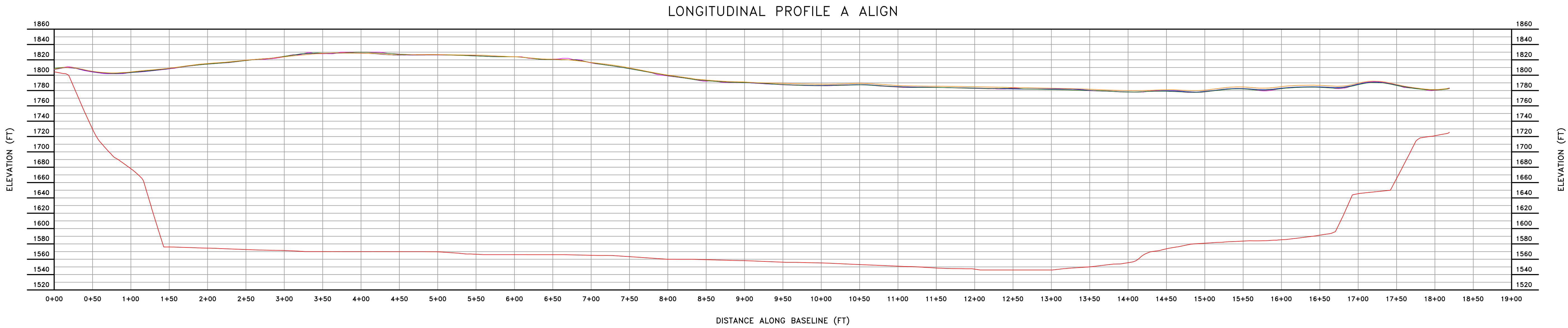
Elevations Table			
Number	Minimum Elevation	Maximum Elevation	Color
1	-20.000	-10.000	
2	-10.000	-5.000	
3	-5.000	-1.000	
4	-1.000	0.000	
5	0.000	1.000	
6	1.000	5.000	
7	5.000	10.000	
8	10.000	20.000	

NOTES:

- THE ELEVATION CHANGES ARE CALCULATED BETWEEN THE AERIAL TOPOGRAPHY DATA CAPTURED ON APRIL 16, 2025 AND APRIL 8, 2026 BY SCS ENGINEERS. POSITIVE VALUES (+) INDICATE AREAS OF FILL AND NEGATIVE VALUES (-) INDICATE AREAS OF CUT (SETTLEMENT). VALUES ARE ROUNDED TO THE NEAREST FOOT
- ANY DETERMINATION OF TOPOGRAPHY OR CONTOURS, OR ANY DEPICTION OF PHYSICAL IMPROVEMENTS, PROPERTY LINES, OR BOUNDARIES IS FOR GENERAL INFORMATION ONLY AND SHALL NOT BE USED FOR DESIGN, MODIFICATION, OR CONSTRUCTION OF IMPROVEMENTS TO REAL PROPERTY OR FOR FLOOD PLAIN DETERMINATION.
- THE HORIZONTAL DATUM IS STATE PLANE VIRGINIA SOUTH ZONE NAD-83 (2011)
- THE VERTICAL DATUM(S) IS BASED UPON NAVD-88.



SCS ENGINEERS STEARN, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC. 15231 MIDLOTHIAN TPK - MIDLOTHIAN, VA 23113 PH. (804) 378-7440 FAX. (804) 378-7433		CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY		CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY		APRIL VOLUME CHANGE APRIL 2025 TO APRIL 2026		NO.		REVISION		DATE	
		2655 VALLEY DRIVE BRISTOL, VIRGINIA 24201		PROJECT TITLE		MONTHLY TOPOGRAPHY ANALYSIS SOLID WASTE PERMIT #588		PROJECT TITLE		MONTHLY TOPOGRAPHY ANALYSIS SOLID WASTE PERMIT #588			
CADD FILE: SURF COMP		DATE: 5/1/2026		SCALE:		DRAWING NO.		7					
PROJ. NO. 02218208.05		DWN. BY: JMM		G/A RW & SW CHK. BY: C.JW		APP. BY: C.JW		8					



- LEGEND**
- BOTTOM LINER ELEVATION
 - APRIL 2025 TOPO
 - JANUARY 2025 TOPO
 - MARCH 2026 TOPO
 - APRIL 2026 TOPO

SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC. 15521 MIDLOTHIAN TPK - MIDLOTHIAN, VA 23113 PH: (804) 378-7440 FAX: (804) 378-7433		CADD FILE: SURF COMP DATE: 5/1/2026 SCALE:		DRAWING NO. 8	
PROJ. NO.: 2208.05 DATE: 5/1/2026 DESK BY: C.J.W. CHK BY: C.J.W. APP BY: C.J.W.		Q/A RWL BY: C.J.W. Q/A CHK BY: C.J.W. Q/A APP BY: C.J.W.		8	
CLIENT		CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY		MONTHLY TOPOGRAPHY ANALYSIS	
2655 VALLEY DRIVE		BRISTOL, VIRGINIA 24201		SOLID WASTE PERMIT #588	
SHEET TITLE		PROFILES		PROJECT TITLE	
NO.		REVISION		DATE	
1		1		1	
2		2		2	
3		3		3	
4		4		4	
5		5		5	

Appendix F

Field Logs (April 2026)
Lab Report (April 2026)
Historical LFG-EW Leachate Monitoring Results Summary
Time-Series Plots

City of Bristol SWP 588 Landfill
Dual Phase LFG-EW Liquid Level Measurement Log

Date	4/8/2026														
SCS Personnel	Field Personnel:			L. Nelson, L. Culhane			Checked By:			L. Howard and J. Robb					
Location ID	Date	Time	Casing Stickup (ft)	Depth to Liquid (ft)	Prior Depth to Liquid (ft)	Cycle Count	Prior Cycle Count	Well Casing Depth (ft)	Pump Depth (ft)	Liquid Column Thickness	Pump (Y/N)	Pump PSI	Sample Collected	Check/Photo	Comments
PUMP INSTALLED															
EW-49	4/8/2026	10:32	4.74	70.20	71.81	153397	109721	96.15	87	25.95	Y	75	N		
EW-50	4/8/2026	10:28	4.18	42.31	51.37	1723738	1712121	77.70	83	35.39	Y	100	N		
EW-59	4/8/2026	8:21	3.64	60.15	55.78	3994140	3832820	73.40	61	13.25	Y	110	Y		
EW-61	4/8/2026	10:21	3.30	72.52	74.7	315040	257484	87.80	75	15.28	Y	100	N		
EW-65	4/8/2026	10:47	2.92	49.02	48.95	241049	167437	88.40	70	39.38	Y	110	N		
EW-78	4/8/2026	11:05	3.25	46.02	44.07	448511	362996	57.00	47	10.98	Y	130	N		
EW-85	4/8/2026	10:18	4.70	57.75	62.44	382231	372033	91.00	78	33.25	Y	115	N		
NO PUMP															
EW-54	4/8/2026	9:31	3.88	38.00	37.34	---	---	82.70	65	44.70	N	---	---		
EW-56	4/8/2026	8:18	3.69	17.50	17.72	---	---	42.71	---	25.21	N	---	---		
EW-67	4/8/2026	9:35	3.49	42.00	42.03	---	---	107.75	76	65.75	N	---	---		
EW-69	4/8/2026	11:20	4.56	92.55	93.48	---	---	98.00	---	5.45	N	---	---		
EW-70	4/8/2026	11:32	1.85	64.14	64.46	---	---	71.00	58	6.86	N	---	---		
EW-73	4/8/2026	11:37	3.60	106.55	106.97	---	---	116.00	---	9.45	N	---	---		
EW-76	4/8/2026	11:11	3.00	108.20	107.63	---	---	127.00	---	18.80	N	---	---		
EW-80	4/8/2026	11:54	3.10	137.48	136.61	---	---	149.00	---	11.52	N	---	---		
EW-82	4/8/2026	10:56	4.10	113.51	123.97	---	---	163.26	---	49.75	N	---	---		

City of Bristol SWP 588 Landfill
Dual Phase LFG-EW Liquid Level Measurement Log

Date	4/8/2026														
SCS Personnel	Field Personnel:			L. Nelson, L. Culhane			Checked By:			L. Howard and J. Robb					
Location ID	Date	Time	Casing Stickup (ft)	Depth to Liquid (ft)	Prior Depth to Liquid (ft)	Cycle Count	Prior Cycle Count	Well Casing Depth (ft)	Pump Depth (ft)	Liquid Column Thickness	Pump (Y/N)	Pump PSI	Sample Collected	Check/Photo	Comments
NO PUMP															
EW-84	4/8/2026	10:37	4.25	79.15	79.15	---	---	130.56	---	51.41	N	---	---		
EW-91	4/8/2026	9:45	6.00	49.90	50.18	---	---	137.70	---	87.80	N	---	---		
EW-92	4/8/2026	9:54	7.50	---	---	---	---	112.99	---	#VALUE!	N	---	---		Too tall
EW-95	4/8/2026	10:03	3.65	57.22	57.28	---	---	68.00	---	10.78	N	---	---		
EW-97	4/8/2026	8:33	7.70	---	---	---	---	144.50	---	#VALUE!	N	---	---		Too tall
EW-99	4/8/2026	8:05	3.68	58.52	57.4	---	---	65.00	---	6.48	N	---	---		
MEASURE CASING STICKUP AND CYCLE COUNTER ONLY (PUMP INSTALLED) ¹															
EW-36A	4/8/2026	10:27	3.90	---	---	478994	478994	180.00	135	---	Y	0	---		
EW-55	4/8/2026	9:00	4.60	---	---	81150	73387	90.40	90	---	Y	105	Y		
EW-81	4/8/2026	11:51	3.90	---	---	108332	108332	151.56	125	---	Y	0	---		
EW-94	4/8/2026	8:58	3.40	---	---	1970911	1946997	50.00	38	---	Y	100	Y		
MEASURE CASING STICKUP AND CYCLE COUNTER ONLY (NO PUMP) ¹															
EW-53	4/8/2026	9:44	4.30	---	---	---	---	100.70	77	---	N	---	---		
EW-83	4/8/2026	10:45	4.20	---	---	---	---	167.04	145	---	N	---	---		
EW-86 ²	4/8/2026	10:12	3.10	---	---	---	---	153.00	---	---	N	---	---		
EW-87	4/8/2026	10:13	5.30	---	---	---	---	149.57	110	---	N	---	---		

City of Bristol SWP 588 Landfill
Dual Phase LFG-EW Liquid Level Measurement Log

Date	4/8/2026														
SCS Personnel	Field Personnel:			L. Nelson, L. Culhane			Checked By: L. Howard and J. Robb								
Location ID	Date	Time	Casing Stickup (ft)	Depth to Liquid (ft)	Prior Depth to Liquid (ft)	Cycle Count	Prior Cycle Count	Well Casing Depth (ft)	Pump Depth (ft)	Liquid Column Thickness	Pump (Y/N)	Pump PSI	Sample Collected	Check/Photo	Comments
MEASURE CASING STICKUP AND CYCLE COUNTER ONLY (PUMP INSTALLED) ²															
EW-52	4/8/2026	9:53	3.20	---	---	1463891	1272927	98.70	80	---	Y	115	N		
EW-60	4/8/2026	9:54	3.50	---	---	433146	218245	81.80	72.5	---	Y	105	N		
EW-62	4/8/2026		5.04	---	---	254428	373827	110.60	91.5	---	Y	90	N		
EW-66	4/8/2026	8:28	3.50	---	---	810164	142047	---	---	---	Y	120	N		
EW-68	4/8/2026	10:00	2.00	---	---	2707569	2669461	73.57	60	---	Y	115	N		
EW-88	4/8/2026	10:15	3.30	---	---	487304	470793	100.00	61	---	Y	85	N		
EW-89	4/8/2026	9:57	4.40	---	---	---	835523	84.57	70	---	N	---	---		Well Collapsed
EW-96	4/8/2026	8:31	7.60	---	---	---	---	164.35	145	---	Y	0	N		Too tall to read cycle counter
EW-98	4/8/2026	8:26	3.39	---	---	3211833	2835732	51.00	46	---	Y	75	N		
DO NOT APPROACH															
EW-33B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	SSO Concerns - Do not approach
EW-63	---	---	---	---	---	---	---	---	---	---	---	---	---	---	SSO Concerns - Do not approach
EW-64	---	---	---	---	---	---	---	---	---	---	---	---	---	---	SSO Concerns - Do not approach
EW-77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	SSO Concerns - Do not approach
EW-79	---	---	---	---	---	---	---	---	---	---	---	---	---	---	SSO Concerns - Do not approach
EW-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	SSO Concerns - Do not approach

--- = not applicable or available

CO = Carbon monoxide

ft = feet

LEL = Lower Explosive Limit

1 = Not Measured as gauging equipment has historically become stuck in well.

2 = Not Measured as pump is shut off and intended to be pulled for maintenance/replacement or has been removed for maintenance or replacement.

Prior Depth to Liquid (ft) = last monthly event a liquid level was collected, not limited to previous calendar month.

O2 = Oxygen

ppm = parts per million

SSO = Subsurface oxygen event

VOC = Total Volatile Organic Compounds

City of Bristol SWP 588 Landfill
Dual Phase LFG-EW Sample Collection Log

Location ID	Sample Date	Sample Time	Temperature (°C)	pH (s.u.)	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Observations
EW-55	4/8/2026	9:01	47.80	4.90	0.00	1.89	71.20	2.58	Dark Brown
EW-59	4/8/2026	8:38	59.10	5.72	30.50	0.26	-11.60	12.47	Amber
EW-94	4/8/2026	9:14	60.70	6.00	21.96	1.90	38.10	25.03	Amber, Iridescent sheen
SCS Personnel		Sampler: L. Nelson, L. Culhane				Checked By: L. Howard and J. Robb			
Samples Shipped By:		Courier				Laboratory: Enthalpy Analytical			

°C = degrees Celsius
mg/L = milligrams per liter
mV = milliVolts
NTU = Nephelometric Turbidity Unit
s.u. = Standard Unit
mS/cm = milliSiemens per centimeter



1941 Reymet Road • Richmond, Virginia 23237 • Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 26D0797

Client Name: SCS Engineers - Winchester
296 Victory Road
Winchester, VA 22602

Submitted To: Jennifer Robb

Date Received: April 9, 2026 8:00
Date Issued: April 24, 2026 16:06
Project Number: 02218208.15 Task 5
Purchase Order:

Client Site I.D.: Bristol LFG-EW Monthly Monitoring

Enclosed are the results of analyses for samples received by the laboratory on 04/09/2026 08:00. If you have any questions concerning this report, please feel free to contact the laboratory.

Sincerely,

Ginny Thrasher
Senior Project Manager

End Notes:

The test results listed in this report relate only to the samples submitted to the laboratory and as received by the Laboratory.

Unless otherwise noted, the test results for solid materials are calculated on a wet weight basis. Analyses for pH, dissolved oxygen, temperature, residual chlorine and sulfite that are performed in the laboratory do not meet NELAC requirements due to extremely short holding times. These analyses should be performed in the field. The results of field analyses performed by the Sampler included in the Certificate of Analysis are done so at the client's request and are not included in the laboratory's fields of certification nor have they been audited for adherence to a reference method or procedure.

The signature on the final report certifies that these results conform to all applicable NELAC standards unless otherwise specified. For a complete list of the Laboratory's NELAC certified parameters please contact customer service.

This report shall not be reproduced except in full without the expressed and written approval of an authorized representative of Enthalpy Analytical.

Analysis Detects Report

Client Name: SCS Engineers - Winchester
 Client Site ID: Bristol LFG-EW Monthly Monitoring
 Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Laboratory Sample ID: 26D0797-01

Client Sample ID: EW-59

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	01	SW6010D	0.290		0.0080	0.0800	4	mg/L
Barium	01	SW6010D	2.09		0.0040	0.0400	4	mg/L
Cadmium	01	SW6010D	0.0176		0.0008	0.0160	4	mg/L
Chromium	01	SW6010D	0.233		0.0016	0.0400	4	mg/L
Lead	01	SW6010D	0.101		0.0080	0.0400	4	mg/L
Mercury	01	SW7470A	0.00338		0.00092	0.00230	1	mg/L
Nickel	01	SW6010D	0.0121	J	0.0040	0.0400	4	mg/L
Silver	01	SW6010D	0.0062	J	0.0016	0.0400	4	mg/L
Zinc	01	SW6010D	0.129		0.0120	0.0400	4	mg/L
2-Butanone (MEK)	01	SW8260D	17100		97.0	100	100	ug/L
Acetone	01RE1	SW8260D	46500		1110	1600	400	ug/L
Benzene	01	SW8260D	828		13.9	40.0	100	ug/L
Ethylbenzene	01	SW8260D	65.0		15.1	40.0	100	ug/L
Tetrahydrofuran	01	SW8260D	3840		75.4	100	100	ug/L
Toluene	01	SW8260D	49.0		16.0	40.0	100	ug/L
Xylenes, Total	01	SW8260D	101	J	43.8	300	100	ug/L
Acetic Acid	01	D3705	5580		71.4	500	1000	mg/L
Butyric Acid	01	D3705	1400		70.3	500	1000	mg/L
Lactic Acid	01	D3705	776		55.7	500	1000	mg/L
Propionic Acid	01	D3705	1960		57.3	500	1000	mg/L
Pyruvic Acid	01	D3705	142	J	88.9	500	1000	mg/L
Ammonia as N	01	EPA350.1 R2.0	2300		120	200	2000	mg/L
BOD	01	SM5210B-2016	27000		0.2	2.0	1	mg/L
COD	01	SM5220D-2011	46900		3150	5000	500	mg/L
TKN as N	01RE1	EPA351.2 R2.0	2170		36.7	40.0	2	mg/L
Total Recoverable Phenolics	01	SW9065	40.1		1.54	2.50	50	mg/L

Analysis Detects Report

Client Name: SCS Engineers - Winchester
 Client Site ID: Bristol LFG-EW Monthly Monitoring
 Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Laboratory Sample ID: 26D0797-02

Client Sample ID: EW-55

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	02	SW6010D	2.52		0.0800	0.800	4	mg/L
Barium	02	SW6010D	1.75		0.0400	0.400	4	mg/L
Cadmium	02	SW6010D	0.0138	J	0.0080	0.160	4	mg/L
Chromium	02	SW6010D	0.933		0.0160	0.400	4	mg/L
Copper	02	SW6010D	0.372	J	0.0800	0.400	4	mg/L
Lead	02	SW6010D	12.6		0.0800	0.400	4	mg/L
Mercury	02	SW7470A	0.0460		0.00184	0.00460	1	mg/L
Nickel	02	SW6010D	1.586		0.0400	0.4000	4	mg/L
Zinc	02	SW6010D	65.3		0.120	0.400	4	mg/L
2-Butanone (MEK)	02RE1	SW8260D	26800		194	200	200	ug/L
Acetone	02RE1	SW8260D	61800		554	800	200	ug/L
Benzene	02RE1	SW8260D	932		27.8	80.0	200	ug/L
Ethylbenzene	02RE1	SW8260D	58.0	J	30.2	80.0	200	ug/L
Tetrahydrofuran	02RE1	SW8260D	4940		151	200	200	ug/L
Toluene	02RE1	SW8260D	62.0	J	32.0	80.0	200	ug/L
Xylenes, Total	02RE1	SW8260D	104	J	87.6	600	200	ug/L
Acetic Acid	02	D3705	32.3		0.7	5.0	10	mg/L
Butyric Acid	02RE1	D3705	255		7.0	50.0	100	mg/L
Propionic Acid	02	D3705	61.0		0.6	5.0	10	mg/L
Pyruvic Acid	02	D3705	29.6		0.9	5.0	10	mg/L
Ammonia as N	02RE2	EPA350.1 R2.0	926		120	200	2000	mg/L
BOD	02	SM5210B-2016	> 42403.8		0.2	2.0	1	mg/L
COD	02	SM5220D-2011	87900		6300	10000	1000	mg/L
TKN as N	02	EPA351.2 R2.0	1470		18.4	20.0	1	mg/L
Total Recoverable Phenolics	02	SW9065	79.9		1.54	2.50	50	mg/L

Analysis Detects Report

Client Name: SCS Engineers - Winchester
 Client Site ID: Bristol LFG-EW Monthly Monitoring
 Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Laboratory Sample ID: 26D0797-03

Client Sample ID: EW-94

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	03	SW6010D	0.138		0.0080	0.0800	4	mg/L
Barium	03	SW6010D	3.60		0.0040	0.0400	4	mg/L
Cadmium	03	SW6010D	0.0170		0.0008	0.0160	4	mg/L
Chromium	03	SW6010D	0.105		0.0016	0.0400	4	mg/L
Lead	03	SW6010D	0.0987		0.0080	0.0400	4	mg/L
Mercury	03	SW7470A	0.00308		0.00080	0.00200	1	mg/L
Silver	03	SW6010D	0.0061	J	0.0016	0.0400	4	mg/L
Zinc	03	SW6010D	0.224		0.0120	0.0400	4	mg/L
2-Butanone (MEK)	03	SW8260D	8490		97.0	100	100	ug/L
Acetone	03	SW8260D	32700		277	400	100	ug/L
Benzene	03	SW8260D	263		13.9	40.0	100	ug/L
Ethylbenzene	03	SW8260D	224		15.1	40.0	100	ug/L
Tetrahydrofuran	03	SW8260D	4550		75.4	100	100	ug/L
Toluene	03	SW8260D	47.0		16.0	40.0	100	ug/L
Xylenes, Total	03	SW8260D	471		43.8	300	100	ug/L
Acetic Acid	03	D3705	4520		71.4	500	1000	mg/L
Butyric Acid	03	D3705	1270		70.3	500	1000	mg/L
Lactic Acid	03	D3705	346	J	55.7	500	1000	mg/L
Propionic Acid	03	D3705	1430		57.3	500	1000	mg/L
Pyruvic Acid	03	D3705	125	J	88.9	500	1000	mg/L
Ammonia as N	03	EPA350.1 R2.0	1620		120	200	2000	mg/L
BOD	03	SM5210B-2016	15800		0.2	2.0	1	mg/L
COD	03	SM5220D-2011	31800		3150	5000	500	mg/L
TKN as N	03	EPA351.2 R2.0	1360		18.4	20.0	1	mg/L
Total Recoverable Phenolics	03	SW9065	27.0		1.54	2.50	50	mg/L

Note that this report is not the "Certificate of Analysis". This report only lists the target analytes that displayed concentrations that exceeded the detection limit specified for that analyte. For a complete listing of all analytes requested and the results of the analysis see the " Certificate of Analysis".

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EW-59	26D0797-01	Ground Water	04/08/2026 08:38	04/09/2026 08:00
EW-55	26D0797-02	Ground Water	04/08/2026 09:01	04/09/2026 08:00
EW-94	26D0797-03	Ground Water	04/08/2026 09:14	04/09/2026 08:00
Trip Blank	26D0797-04	Ground Water	11/13/2025 14:50	04/09/2026 08:00

This Certificate of Analysis is being reissued on 04/24/2026 to reflect removal of redundant BOD result for sample "EW-55"

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Client Sample ID: EW-59

Laboratory Sample ID: 26D0797-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	01	7440-22-4	SW6010D	04/10/2026 17:00	04/13/2026 14:07	0.0062	J	0.0016	0.0400	4	mg/L	NBT
Arsenic	01	7440-38-2	SW6010D	04/10/2026 17:00	04/13/2026 14:07	0.290		0.0080	0.0800	4	mg/L	NBT
Barium	01	7440-39-3	SW6010D	04/10/2026 17:00	04/13/2026 14:07	2.09		0.0040	0.0400	4	mg/L	NBT
Cadmium	01	7440-43-9	SW6010D	04/10/2026 17:00	04/13/2026 14:07	0.0176		0.0008	0.0160	4	mg/L	NBT
Chromium	01	7440-47-3	SW6010D	04/10/2026 17:00	04/13/2026 14:07	0.233		0.0016	0.0400	4	mg/L	NBT
Copper	01	7440-50-8	SW6010D	04/10/2026 17:00	04/13/2026 14:07	BLOD		0.0080	0.0400	4	mg/L	NBT
Mercury	01	7439-97-6	SW7470A	04/15/2026 08:03	04/15/2026 11:47	0.00338		0.00092	0.00230	1	mg/L	TBHW
Nickel	01	7440-02-0	SW6010D	04/10/2026 17:00	04/13/2026 14:07	0.0121	J	0.0040	0.0400	4	mg/L	NBT
Lead	01	7439-92-1	SW6010D	04/10/2026 17:00	04/13/2026 14:07	0.101		0.0080	0.0400	4	mg/L	NBT
Selenium	01	7782-49-2	SW6010D	04/10/2026 17:00	04/13/2026 14:07	BLOD		0.0280	0.200	4	mg/L	NBT
Zinc	01	7440-66-6	SW6010D	04/10/2026 17:00	04/13/2026 14:07	0.129		0.0120	0.0400	4	mg/L	NBT

Volatile Organic Compounds by GCMS

						Sample Qualifier:	pH					
2-Butanone (MEK)	01	78-93-3	SW8260D	04/14/2026 19:18	04/14/2026 19:18	17100		97.0	100	100	ug/L	TLH
Acetone	01RE1	67-64-1	SW8260D	04/22/2026 15:12	04/22/2026 15:12	46500		1110	1600	400	ug/L	NSD
Benzene	01	71-43-2	SW8260D	04/14/2026 19:18	04/14/2026 19:18	828		13.9	40.0	100	ug/L	TLH
Ethylbenzene	01	100-41-4	SW8260D	04/14/2026 19:18	04/14/2026 19:18	65.0		15.1	40.0	100	ug/L	TLH
Toluene	01	108-88-3	SW8260D	04/14/2026 19:18	04/14/2026 19:18	49.0		16.0	40.0	100	ug/L	TLH
Xylenes, Total	01	1330-20-7	SW8260D	04/14/2026 19:18	04/14/2026 19:18	101	J	43.8	300	100	ug/L	TLH
Tetrahydrofuran	01	109-99-9	SW8260D	04/14/2026 19:18	04/14/2026 19:18	3840		75.4	100	100	ug/L	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	01	0.102 %	70-120	04/14/2026 19:18	04/14/2026 19:18							
Surr: 4-Bromofluorobenzene (Surr)	01	0.0950 %	75-120	04/14/2026 19:18	04/14/2026 19:18							
Surr: Dibromofluoromethane (Surr)	01	0.101 %	70-130	04/14/2026 19:18	04/14/2026 19:18							
Surr: Toluene-d8 (Surr)	01	0.0956 %	70-130	04/14/2026 19:18	04/14/2026 19:18							
Surr: 1,2-Dichloroethane-d4 (Surr)	01RE1	116 %	70-120	04/22/2026 15:12	04/22/2026 15:12							
Surr: 4-Bromofluorobenzene (Surr)	01RE1	102 %	75-120	04/22/2026 15:12	04/22/2026 15:12							

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Client Sample ID: EW-59

Laboratory Sample ID: 26D0797-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Volatile Organic Compounds by GCMS												
Surr: Dibromofluoromethane (Surr)	01RE1	123 %	70-130	04/22/2026 15:12	04/22/2026 15:12							
Surr: Toluene-d8 (Surr)	01RE1	107 %	70-130	04/22/2026 15:12	04/22/2026 15:12							
Semivolatile Organic Compounds by GCMS												
Anthracene	01	120-12-7	SW8270E	04/13/2026 09:15	04/13/2026 18:43	BLOD		200	400	20	ug/L	BMS
Surr: 2,4,6-Tribromophenol (Surr)	01	76.0 %	5-136	04/13/2026 09:15	04/13/2026 18:43							
Surr: 2-Fluorobiphenyl (Surr)	01	44.4 %	9-117	04/13/2026 09:15	04/13/2026 18:43							
Surr: 2-Fluorophenol (Surr)	01	23.4 %	5-60	04/13/2026 09:15	04/13/2026 18:43							
Surr: Nitrobenzene-d5 (Surr)	01	409 %	5-151	04/13/2026 09:15	04/13/2026 18:43							DS
Surr: Phenol-d5 (Surr)	01	1.60 %	5-60	04/13/2026 09:15	04/13/2026 18:43							DS
Surr: p-Terphenyl-d14 (Surr)	01	29.6 %	5-141	04/13/2026 09:15	04/13/2026 18:43							

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Client Sample ID: EW-59

Laboratory Sample ID: 26D0797-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Ion Chromatography Analyses												
Acetic Acid	01	64-19-7	D3705	04/14/2026 16:30	04/14/2026 16:30	5580		71.4	500	1000	mg/L	MGC
Butyric Acid	01	107-92-6	D3705	04/14/2026 16:30	04/14/2026 16:30	1400		70.3	500	1000	mg/L	MGC
Lactic Acid	01	50-21-5	D3705	04/14/2026 16:30	04/14/2026 16:30	776		55.7	500	1000	mg/L	MGC
Propionic Acid	01	79-09-4	D3705	04/14/2026 16:30	04/14/2026 16:30	1960		57.3	500	1000	mg/L	MGC
Pyruvic Acid	01	127-17-3	D3705	04/14/2026 16:30	04/14/2026 16:30	142	J	88.9	500	1000	mg/L	MGC

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Client Sample ID: EW-59

Laboratory Sample ID: 26D0797-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Wet Chemistry Analysis												
Ammonia as N	01	7664-41-7	EPA350.1 R2.0	04/20/2026 13:12	04/20/2026 13:12	2300		120	200	2000	mg/L	AAL
BOD	01	E1640606	SM5210B-20 16	04/09/2026 18:40	04/09/2026 18:40	27000		0.2	2.0	1	mg/L	CET
COD	01	NA	SM5220D-20 11	04/17/2026 11:30	04/17/2026 11:30	46900		3150	5000	500	mg/L	WGW
Nitrate as N	01	14797-55-8	SM4500-NO 3F-2019CAL C	04/20/2026 16:42	04/20/2026 17:54	BLOD		0.290	0.400	20	mg/L	AYT
Nitrate+Nitrite as N	01	E701177	SM4500-NO 3F-2019	04/20/2026 16:42	04/20/2026 17:54	BLOD		0.29	0.40	20	mg/L	CLM
Nitrite as N	01	14797-65-0	SM4500-NO 2B-2021	04/09/2026 08:00	04/09/2026 08:00	BLOD		0.05	0.20	1	mg/L	AYT
Total Recoverable Phenolics	01	NA	SW9065	04/22/2026 17:33	04/22/2026 17:33	40.1		1.54	2.50	50	mg/L	AAL
TKN as N	01RE1	E17148461	EPA351.2 R2.0	04/21/2026 12:14	04/22/2026 19:15	2170		36.7	40.0	2	mg/L	AYT

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Client Sample ID: EW-55

Laboratory Sample ID: 26D0797-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	02	7440-22-4	SW6010D	04/14/2026 17:00	04/15/2026 12:01	BLOD		0.0160	0.400	4	mg/L	NBT
Arsenic	02	7440-38-2	SW6010D	04/14/2026 17:00	04/15/2026 12:01	2.52		0.0800	0.800	4	mg/L	NBT
Barium	02	7440-39-3	SW6010D	04/14/2026 17:00	04/15/2026 12:01	1.75		0.0400	0.400	4	mg/L	NBT
Cadmium	02	7440-43-9	SW6010D	04/14/2026 17:00	04/15/2026 12:01	0.0138	J	0.0080	0.160	4	mg/L	NBT
Chromium	02	7440-47-3	SW6010D	04/14/2026 17:00	04/15/2026 12:01	0.933		0.0160	0.400	4	mg/L	NBT
Copper	02	7440-50-8	SW6010D	04/14/2026 17:00	04/15/2026 12:01	0.372	J	0.0800	0.400	4	mg/L	NBT
Mercury	02	7439-97-6	SW7470A	04/15/2026 08:03	04/15/2026 11:48	0.0460		0.00184	0.00460	1	mg/L	TBHW
Nickel	02	7440-02-0	SW6010D	04/14/2026 17:00	04/15/2026 12:01	1.586		0.0400	0.4000	4	mg/L	NBT
Lead	02	7439-92-1	SW6010D	04/14/2026 17:00	04/15/2026 12:01	12.6		0.0800	0.400	4	mg/L	NBT
Selenium	02	7782-49-2	SW6010D	04/14/2026 17:00	04/15/2026 12:01	BLOD		0.280	2.00	4	mg/L	NBT
Zinc	02	7440-66-6	SW6010D	04/14/2026 17:00	04/15/2026 12:01	65.3		0.120	0.400	4	mg/L	NBT

Volatile Organic Compounds by GCMS

						Sample Qualifier:	pH					
2-Butanone (MEK)	02RE1	78-93-3	SW8260D	04/20/2026 21:52	04/20/2026 21:52	26800		194	200	200	ug/L	NSD
Acetone	02RE1	67-64-1	SW8260D	04/20/2026 21:52	04/20/2026 21:52	61800		554	800	200	ug/L	NSD
Benzene	02RE1	71-43-2	SW8260D	04/20/2026 21:52	04/20/2026 21:52	932		27.8	80.0	200	ug/L	NSD
Ethylbenzene	02RE1	100-41-4	SW8260D	04/20/2026 21:52	04/20/2026 21:52	58.0	J	30.2	80.0	200	ug/L	NSD
Toluene	02RE1	108-88-3	SW8260D	04/20/2026 21:52	04/20/2026 21:52	62.0	J	32.0	80.0	200	ug/L	NSD
Xylenes, Total	02RE1	1330-20-7	SW8260D	04/20/2026 21:52	04/20/2026 21:52	104	J	87.6	600	200	ug/L	NSD
Tetrahydrofuran	02RE1	109-99-9	SW8260D	04/20/2026 21:52	04/20/2026 21:52	4940		151	200	200	ug/L	NSD
Surr: 1,2-Dichloroethane-d4 (Surr)	02RE1	105 %	70-120	04/20/2026 21:52	04/20/2026 21:52							
Surr: 4-Bromofluorobenzene (Surr)	02RE1	99.5 %	75-120	04/20/2026 21:52	04/20/2026 21:52							
Surr: Dibromofluoromethane (Surr)	02RE1	104 %	70-130	04/20/2026 21:52	04/20/2026 21:52							
Surr: Toluene-d8 (Surr)	02RE1	102 %	70-130	04/20/2026 21:52	04/20/2026 21:52							

Semivolatile Organic Compounds by GCMS

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Client Sample ID: EW-55

Laboratory Sample ID: 26D0797-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Anthracene	02	120-12-7	SW8270E	04/13/2026 09:15	04/15/2026 00:45	BLOD		400000	800000	100	ug/L	BMS
Surr: 2,4,6-Tribromophenol (Surr)	02		%	5-136	04/13/2026 09:15	04/15/2026 00:45						
Surr: 2-Fluorobiphenyl (Surr)	02		400 %	9-117	04/13/2026 09:15	04/15/2026 00:45						DS
Surr: 2-Fluorophenol (Surr)	02		200 %	5-60	04/13/2026 09:15	04/15/2026 00:45						DS
Surr: Nitrobenzene-d5 (Surr)	02		61600 %	5-151	04/13/2026 09:15	04/15/2026 00:45						DS
Surr: Phenol-d5 (Surr)	02		200 %	5-60	04/13/2026 09:15	04/15/2026 00:45						DS
Surr: p-Terphenyl-d14 (Surr)	02		%	5-141	04/13/2026 09:15	04/15/2026 00:45						DS

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Client Sample ID: EW-55

Laboratory Sample ID: 26D0797-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Ion Chromatography Analyses												
Acetic Acid	02	64-19-7	D3705	04/14/2026 18:37	04/14/2026 18:37	32.3		0.7	5.0	10	mg/L	MGC
Butyric Acid	02RE1	107-92-6	D3705	04/16/2026 17:49	04/16/2026 17:49	255		7.0	50.0	100	mg/L	MGC
Lactic Acid	02	50-21-5	D3705	04/14/2026 18:37	04/14/2026 18:37	BLOD		0.6	5.0	10	mg/L	MGC
Propionic Acid	02	79-09-4	D3705	04/14/2026 18:37	04/14/2026 18:37	61.0		0.6	5.0	10	mg/L	MGC
Pyruvic Acid	02	127-17-3	D3705	04/14/2026 18:37	04/14/2026 18:37	29.6		0.9	5.0	10	mg/L	MGC
Wet Chemistry Analysis												
Ammonia as N	02RE2	7664-41-7	EPA350.1 R2.0	04/20/2026 14:24	04/20/2026 14:24	926		120	200	2000	mg/L	AAL
BOD	02	E1640606	SM5210B-20 16	04/09/2026 18:37	04/09/2026 18:37	> 42403.8		0.2	2.0	1	mg/L	CET
COD	02	NA	SM5220D-20 11	04/17/2026 11:30	04/17/2026 11:30	87900		6300	10000	1000	mg/L	WGW
Nitrate as N	02	14797-55-8	SM4500-NO 3F-2019CAL C	04/20/2026 16:42	04/20/2026 18:01	BLOD		1.28	5.00	20	mg/L	AYT
Nitrate+Nitrite as N	02	E701177	SM4500-NO 3F-2019	04/20/2026 16:42	04/20/2026 18:01	BLOD		0.29	0.40	20	mg/L	CLM
Nitrite as N	02RE1	14797-65-0	SM4500-NO 2B-2021	04/09/2026 18:30	04/09/2026 18:30	BLOD		1.28	5.00	1	mg/L	AYT
Total Recoverable Phenolics	02	NA	SW9065	04/22/2026 17:33	04/22/2026 17:33	79.9		1.54	2.50	50	mg/L	AAL
TKN as N	02	E17148461	EPA351.2 R2.0	04/21/2026 12:14	04/22/2026 18:50	1470		18.4	20.0	1	mg/L	AYT

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Client Sample ID: EW-94

Laboratory Sample ID: 26D0797-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	03	7440-22-4	SW6010D	04/10/2026 17:00	04/13/2026 14:10	0.0061	J	0.0016	0.0400	4	mg/L	NBT
Arsenic	03	7440-38-2	SW6010D	04/10/2026 17:00	04/13/2026 14:10	0.138		0.0080	0.0800	4	mg/L	NBT
Barium	03	7440-39-3	SW6010D	04/10/2026 17:00	04/13/2026 14:10	3.60		0.0040	0.0400	4	mg/L	NBT
Cadmium	03	7440-43-9	SW6010D	04/10/2026 17:00	04/13/2026 14:10	0.0170		0.0008	0.0160	4	mg/L	NBT
Chromium	03	7440-47-3	SW6010D	04/10/2026 17:00	04/13/2026 14:10	0.105		0.0016	0.0400	4	mg/L	NBT
Copper	03	7440-50-8	SW6010D	04/10/2026 17:00	04/13/2026 14:10	BLOD		0.0080	0.0400	4	mg/L	NBT
Mercury	03	7439-97-6	SW7470A	04/15/2026 08:03	04/15/2026 11:50	0.00308		0.00080	0.00200	1	mg/L	TBHW
Nickel	03	7440-02-0	SW6010D	04/10/2026 17:00	04/13/2026 14:10	BLOD		0.0040	0.0400	4	mg/L	NBT
Lead	03	7439-92-1	SW6010D	04/10/2026 17:00	04/13/2026 14:10	0.0987		0.0080	0.0400	4	mg/L	NBT
Selenium	03	7782-49-2	SW6010D	04/10/2026 17:00	04/13/2026 14:10	BLOD		0.0280	0.200	4	mg/L	NBT
Zinc	03	7440-66-6	SW6010D	04/10/2026 17:00	04/13/2026 14:10	0.224		0.0120	0.0400	4	mg/L	NBT

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Client Sample ID: EW-94

Laboratory Sample ID: 26D0797-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Volatile Organic Compounds by GCMS						Sample Qualifier:		pH				
2-Butanone (MEK)	03	78-93-3	SW8260D	04/14/2026 20:53	04/14/2026 20:53	8490		97.0	100	100	ug/L	TLH
Acetone	03	67-64-1	SW8260D	04/14/2026 20:53	04/14/2026 20:53	32700		277	400	100	ug/L	TLH
Benzene	03	71-43-2	SW8260D	04/14/2026 20:53	04/14/2026 20:53	263		13.9	40.0	100	ug/L	TLH
Ethylbenzene	03	100-41-4	SW8260D	04/14/2026 20:53	04/14/2026 20:53	224		15.1	40.0	100	ug/L	TLH
Toluene	03	108-88-3	SW8260D	04/14/2026 20:53	04/14/2026 20:53	47.0		16.0	40.0	100	ug/L	TLH
Xylenes, Total	03	1330-20-7	SW8260D	04/14/2026 20:53	04/14/2026 20:53	471		43.8	300	100	ug/L	TLH
Tetrahydrofuran	03	109-99-9	SW8260D	04/14/2026 20:53	04/14/2026 20:53	4550		75.4	100	100	ug/L	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	03	0.0899 %	70-120	04/14/2026 20:53	04/14/2026 20:53							
Surr: 4-Bromofluorobenzene (Surr)	03	0.0968 %	75-120	04/14/2026 20:53	04/14/2026 20:53							
Surr: Dibromofluoromethane (Surr)	03	0.0911 %	70-130	04/14/2026 20:53	04/14/2026 20:53							
Surr: Toluene-d8 (Surr)	03	0.0971 %	70-130	04/14/2026 20:53	04/14/2026 20:53							

Certificate of Analysis

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Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Client Sample ID: EW-94

Laboratory Sample ID: 26D0797-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Anthracene	03	120-12-7	SW8270E	04/13/2026 09:15	04/13/2026 19:12	BLOD		200	400	20	ug/L	BMS
Surr: 2,4,6-Tribromophenol (Surr)	03		%	5-136	04/13/2026 09:15	04/13/2026 19:12						DS
Surr: 2-Fluorobiphenyl (Surr)	03		41.2 %	9-117	04/13/2026 09:15	04/13/2026 19:12						
Surr: 2-Fluorophenol (Surr)	03		27.4 %	5-60	04/13/2026 09:15	04/13/2026 19:12						
Surr: Nitrobenzene-d5 (Surr)	03		70.8 %	5-151	04/13/2026 09:15	04/13/2026 19:12						
Surr: Phenol-d5 (Surr)	03		0.600 %	5-60	04/13/2026 09:15	04/13/2026 19:12						DS
Surr: p-Terphenyl-d14 (Surr)	03		30.8 %	5-141	04/13/2026 09:15	04/13/2026 19:12						

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Client Sample ID: EW-94

Laboratory Sample ID: 26D0797-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Ion Chromatography Analyses												
Acetic Acid	03	64-19-7	D3705	04/14/2026 18:05	04/14/2026 18:05	4520		71.4	500	1000	mg/L	MGC
Butyric Acid	03	107-92-6	D3705	04/14/2026 18:05	04/14/2026 18:05	1270		70.3	500	1000	mg/L	MGC
Lactic Acid	03	50-21-5	D3705	04/14/2026 18:05	04/14/2026 18:05	346	J	55.7	500	1000	mg/L	MGC
Propionic Acid	03	79-09-4	D3705	04/14/2026 18:05	04/14/2026 18:05	1430		57.3	500	1000	mg/L	MGC
Pyruvic Acid	03	127-17-3	D3705	04/14/2026 18:05	04/14/2026 18:05	125	J	88.9	500	1000	mg/L	MGC

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Client Sample ID: EW-94

Laboratory Sample ID: 26D0797-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Wet Chemistry Analysis												
Ammonia as N	03	7664-41-7	EPA350.1 R2.0	04/20/2026 13:16	04/20/2026 13:16	1620		120	200	2000	mg/L	AAL
BOD	03	E1640606	SM5210B-20 16	04/09/2026 18:39	04/09/2026 18:39	15800		0.2	2.0	1	mg/L	CET
COD	03	NA	SM5220D-20 11	04/17/2026 11:30	04/17/2026 11:30	31800		3150	5000	500	mg/L	WGW
Nitrate as N	03	14797-55-8	SM4500-NO 3F-2019CAL C	04/20/2026 16:42	04/20/2026 18:03	BLOD		0.128	0.500	2	mg/L	AYT
Nitrate+Nitrite as N	03	E701177	SM4500-NO 3F-2019	04/20/2026 16:42	04/20/2026 18:03	BLOD		0.03	0.10	2	mg/L	CLM
Nitrite as N	03	14797-65-0	SM4500-NO 2B-2021	04/09/2026 08:00	04/09/2026 08:00	BLOD		0.13	0.50	1	mg/L	AYT
Total Recoverable Phenolics	03	NA	SW9065	04/22/2026 17:33	04/22/2026 17:33	27.0		1.54	2.50	50	mg/L	AAL
TKN as N	03	E17148461	EPA351.2 R2.0	04/21/2026 12:14	04/22/2026 18:51	1360		18.4	20.0	1	mg/L	AYT

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Client Sample ID: Trip Blank

Laboratory Sample ID: 26D0797-04

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Volatile Organic Compounds by GCMS												
2-Butanone (MEK)	04	78-93-3	SW8260D	04/10/2026 14:09	04/10/2026 14:09	BLOD		0.97	10.0	1	ug/L	TLH
Acetone	04	67-64-1	SW8260D	04/10/2026 14:09	04/10/2026 14:09	BLOD		2.77	10.0	1	ug/L	TLH
Benzene	04	71-43-2	SW8260D	04/10/2026 14:09	04/10/2026 14:09	BLOD		0.14	1.00	1	ug/L	TLH
Ethylbenzene	04	100-41-4	SW8260D	04/10/2026 14:09	04/10/2026 14:09	BLOD		0.15	1.00	1	ug/L	TLH
Toluene	04	108-88-3	SW8260D	04/10/2026 14:09	04/10/2026 14:09	BLOD		0.16	1.00	1	ug/L	TLH
Xylenes, Total	04	1330-20-7	SW8260D	04/10/2026 14:09	04/10/2026 14:09	BLOD		0.44	3.00	1	ug/L	TLH
Tetrahydrofuran	04	109-99-9	SW8260D	04/10/2026 14:09	04/10/2026 14:09	BLOD		0.75	10.0	1	ug/L	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	04	0.103 %	70-120	04/10/2026 14:09	04/10/2026 14:09							
Surr: 4-Bromofluorobenzene (Surr)	04	0.100 %	75-120	04/10/2026 14:09	04/10/2026 14:09							
Surr: Dibromofluoromethane (Surr)	04	0.0991 %	70-130	04/10/2026 14:09	04/10/2026 14:09							
Surr: Toluene-d8 (Surr)	04	0.0998 %	70-130	04/10/2026 14:09	04/10/2026 14:09							

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0578 - SW3005A-ICP

Blank (BJD0578-BLK1)

Prepared: 04/10/2026 Analyzed: 04/13/2026

Arsenic	ND	0.0200	mg/L
Barium	ND	0.0100	mg/L
Cadmium	ND	0.0040	mg/L
Chromium	ND	0.0100	mg/L
Copper	ND	0.0100	mg/L
Lead	ND	0.0100	mg/L
Nickel	ND	0.0100	mg/L
Selenium	ND	0.0500	mg/L
Silver	ND	0.0100	mg/L
Zinc	ND	0.0100	mg/L

LCS (BJD0578-BS1)

Prepared: 04/10/2026 Analyzed: 04/13/2026

Arsenic	0.510	0.0200	mg/L	0.500	102	80-120
Barium	0.508	0.0100	mg/L	0.500	102	80-120
Cadmium	0.497	0.0040	mg/L	0.500	99.5	80-120
Chromium	0.506	0.0100	mg/L	0.500	101	80-120
Copper	0.479	0.0100	mg/L	0.500	95.8	80-120
Lead	0.495	0.0100	mg/L	0.500	99.0	80-120
Nickel	0.4960	0.0100	mg/L	0.500	99.2	80-120
Selenium	0.512	0.0500	mg/L	0.500	102	80-120
Silver	0.0951	0.0100	mg/L	0.100	95.1	80-120
Zinc	0.524	0.0100	mg/L	0.500	105	80-120

Matrix Spike (BJD0578-MS1)

Source: 26D0901-01

Prepared: 04/10/2026 Analyzed: 04/13/2026

Arsenic	0.574	0.0200	mg/L	0.500	0.0667	101	75-125
Barium	0.530	0.0100	mg/L	0.500	0.0157	103	75-125

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD0578 - SW3005A-ICP										
Matrix Spike (BJD0578-MS1) Source: 26D0901-01 Prepared: 04/10/2026 Analyzed: 04/13/2026										
Chromium	0.499	0.0100	mg/L	0.500	0.0154	96.6	75-125			
Copper	0.590	0.0100	mg/L	0.500	0.0136	115	75-125			
Lead	0.546	0.0100	mg/L	0.500	0.0694	95.3	75-125			
Nickel	0.4801	0.0100	mg/L	0.500	0.0122	93.6	75-125			
Selenium	0.422	0.0500	mg/L	0.500	BLOD	84.5	75-125			
Silver	0.106	0.0100	mg/L	0.100	BLOD	106	75-125			E
Zinc	0.745	0.0100	mg/L	0.500	0.128	123	75-125			
Matrix Spike (BJD0578-MS2) Source: 26D0901-01RE1 Prepared: 04/10/2026 Analyzed: 04/13/2026										
Cadmium	0.538	0.0400	mg/L	0.500	0.0040	107	75-125			
Matrix Spike Dup (BJD0578-MSD1) Source: 26D0901-01 Prepared: 04/10/2026 Analyzed: 04/13/2026										
Arsenic	0.573	0.0200	mg/L	0.500	0.0667	101	75-125	0.101	20	
Barium	0.506	0.0100	mg/L	0.500	0.0157	98.1	75-125	4.65	20	
Chromium	0.495	0.0100	mg/L	0.500	0.0154	95.9	75-125	0.763	20	
Copper	0.586	0.0100	mg/L	0.500	0.0136	114	75-125	0.588	20	
Lead	0.542	0.0100	mg/L	0.500	0.0694	94.6	75-125	0.631	20	
Nickel	0.4770	0.0100	mg/L	0.500	0.0122	93.0	75-125	0.643	20	
Selenium	0.414	0.0500	mg/L	0.500	BLOD	82.8	75-125	2.02	20	
Silver	0.101	0.0100	mg/L	0.100	BLOD	101	75-125	5.17	20	E
Zinc	0.755	0.0100	mg/L	0.500	0.128	125	75-125	1.41	20	M
Matrix Spike Dup (BJD0578-MSD2) Source: 26D0901-01RE1 Prepared: 04/10/2026 Analyzed: 04/13/2026										
Cadmium	0.537	0.0400	mg/L	0.500	0.0040	107	75-125	0.262	20	

Batch BJD0738 - SW3005A-ICP

Blank (BJD0738-BLK1) Prepared: 04/14/2026 Analyzed: 04/15/2026

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0738 - SW3005A-ICP

Blank (BJD0738-BLK1)

Prepared: 04/14/2026 Analyzed: 04/15/2026

Arsenic	ND	0.0200	mg/L
Barium	ND	0.0100	mg/L
Cadmium	ND	0.0040	mg/L
Chromium	ND	0.0100	mg/L
Copper	ND	0.0100	mg/L
Lead	ND	0.0100	mg/L
Nickel	ND	0.0100	mg/L
Selenium	ND	0.0500	mg/L
Silver	ND	0.0100	mg/L
Zinc	ND	0.0100	mg/L

LCS (BJD0738-BS1)

Prepared: 04/14/2026 Analyzed: 04/15/2026

Arsenic	0.512	0.0200	mg/L	0.500	102	80-120
Barium	0.536	0.0100	mg/L	0.500	107	80-120
Cadmium	0.512	0.0040	mg/L	0.500	102	80-120
Chromium	0.520	0.0100	mg/L	0.500	104	80-120
Copper	0.505	0.0100	mg/L	0.500	101	80-120
Lead	0.515	0.0100	mg/L	0.500	103	80-120
Nickel	0.5165	0.0100	mg/L	0.500	103	80-120
Selenium	0.515	0.0500	mg/L	0.500	103	80-120
Silver	0.102	0.0100	mg/L	0.100	102	80-120
Zinc	0.542	0.0100	mg/L	0.500	108	80-120

E

Matrix Spike (BJD0738-MS1)

Source: 26D0988-01

Prepared: 04/14/2026 Analyzed: 04/15/2026

Arsenic	0.527	0.0200	mg/L	0.500	BLOD	105	75-125
Barium	0.550	0.0100	mg/L	0.500	0.0182	106	75-125

Certificate of Analysis

Client Name: SCS Engineers - Winchester
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Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0738 - SW3005A-ICP

Matrix Spike (BJD0738-MS1)		Source: 26D0988-01		Prepared: 04/14/2026 Analyzed: 04/15/2026						
Cadmium	0.517	0.0040	mg/L	0.500	BLOD	103	75-125			
Chromium	0.525	0.0100	mg/L	0.500	BLOD	105	75-125			
Copper	0.568	0.0100	mg/L	0.500	0.0309	108	75-125			
Lead	0.517	0.0100	mg/L	0.500	BLOD	103	75-125			
Nickel	0.5271	0.0100	mg/L	0.500	0.0034	105	75-125			
Selenium	0.535	0.0500	mg/L	0.500	BLOD	107	75-125			
Silver	0.103	0.0100	mg/L	0.100	BLOD	103	75-125			E
Zinc	0.716	0.0100	mg/L	0.500	0.167	110	75-125			

Matrix Spike Dup (BJD0738-MSD1)		Source: 26D0988-01		Prepared: 04/14/2026 Analyzed: 04/15/2026						
Arsenic	0.527	0.0200	mg/L	0.500	BLOD	105	75-125	0.00531	20	
Barium	0.558	0.0100	mg/L	0.500	0.0182	108	75-125	1.43	20	
Cadmium	0.517	0.0040	mg/L	0.500	BLOD	103	75-125	0.173	20	
Chromium	0.524	0.0100	mg/L	0.500	BLOD	105	75-125	0.271	20	
Copper	0.568	0.0100	mg/L	0.500	0.0309	107	75-125	0.0264	20	
Lead	0.518	0.0100	mg/L	0.500	BLOD	104	75-125	0.0402	20	
Nickel	0.5258	0.0100	mg/L	0.500	0.0034	104	75-125	0.244	20	
Selenium	0.534	0.0500	mg/L	0.500	BLOD	107	75-125	0.0698	20	
Silver	0.104	0.0100	mg/L	0.100	BLOD	104	75-125	1.36	20	E
Zinc	0.712	0.0100	mg/L	0.500	0.167	109	75-125	0.669	20	

Batch BJD0780 - EPA245.1R3.0/SW7470A

Blank (BJD0780-BLK1)		Prepared & Analyzed: 04/15/2026								
Mercury	ND	0.00020	mg/L							

LCS (BJD0780-BS1)		Prepared & Analyzed: 04/15/2026								

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
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Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD0780 - EPA245.1R3.0/SW7470A										
LCS (BJD0780-BS1)				Prepared & Analyzed: 04/15/2026						
Mercury	0.00268	0.00020	mg/L	0.00250		107	80-120			
Matrix Spike (BJD0780-MS1)				Source: 26D0877-03 Prepared & Analyzed: 04/15/2026						
Mercury	0.00252	0.00020	mg/L	0.00250	BLOD	101	80-120			
Matrix Spike (BJD0780-MS2)				Source: 26D0901-01 Prepared & Analyzed: 04/15/2026						
Mercury	0.00258	0.00020	mg/L	0.00250	0.00008	100	80-120			
Matrix Spike Dup (BJD0780-MSD1)				Source: 26D0877-03 Prepared & Analyzed: 04/15/2026						
Mercury	0.00256	0.00020	mg/L	0.00250	BLOD	102	80-120	1.57	20	
Matrix Spike Dup (BJD0780-MSD2)				Source: 26D0901-01 Prepared & Analyzed: 04/15/2026						
Mercury	0.00254	0.00020	mg/L	0.00250	0.00008	98.5	80-120	1.56	20	

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
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Work Order: 26D0797

Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0586 - SW5030B-MS

Blank (BJD0586-BLK1)

Prepared & Analyzed: 04/10/2026

2-Butanone (MEK)	ND	10.0	ug/L							
Acetone	ND	10.0	ug/L							
Benzene	ND	1.00	ug/L							
Ethylbenzene	ND	1.00	ug/L							
Toluene	ND	1.00	ug/L							
Xylenes, Total	ND	3.00	ug/L							
Tetrahydrofuran	ND	10.0	ug/L							
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	52.3		ug/L	50000		0.105	70-120			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	49.7		ug/L	50000		0.0994	75-120			
<i>Surr: Dibromofluoromethane (Surr)</i>	49.8		ug/L	50000		0.0996	70-130			
<i>Surr: Toluene-d8 (Surr)</i>	50.0		ug/L	50000		0.0999	70-130			

LCS (BJD0586-BS1)

Prepared & Analyzed: 04/10/2026

1,1,1,2-Tetrachloroethane	53.6		ug/L	50.0		107	80-130			
1,1,1-Trichloroethane	52.2		ug/L	50.0		104	65-130			
1,1,2,2-Tetrachloroethane	49.1		ug/L	50.0		98.2	65-130			
1,1,2-Trichloroethane	51.3		ug/L	50.0		103	75-125			
1,1-Dichloroethane	53.6		ug/L	50.0		107	70-135			
1,1-Dichloroethylene	52.4		ug/L	50.0		105	70-130			
1,1-Dichloropropene	59.4		ug/L	50.0		119	75-135			
1,2,3-Trichlorobenzene	47.4		ug/L	50.0		94.9	55-140			
1,2,3-Trichloropropane	46.0		ug/L	50.0		91.9	75-125			
1,2,4-Trichlorobenzene	47.4		ug/L	50.0		94.9	65-135			
1,2,4-Trimethylbenzene	56.9		ug/L	50.0		114	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	41.7		ug/L	50.0		83.3	50-130			

Certificate of Analysis

Client Name: SCS Engineers - Winchester
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Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD0586 - SW5030B-MS										
LCS (BJD0586-BS1)				Prepared & Analyzed: 04/10/2026						
1,2-Dibromoethane (EDB)	50.6		ug/L	50.0		101	80-120			
1,2-Dichlorobenzene	52.4		ug/L	50.0		105	70-120			
1,2-Dichloroethane	46.1		ug/L	50.0		92.3	70-130			
1,2-Dichloropropane	55.6		ug/L	50.0		111	75-125			
1,3,5-Trimethylbenzene	56.4		ug/L	50.0		113	75-125			
1,3-Dichlorobenzene	55.9		ug/L	50.0		112	75-125			
1,3-Dichloropropane	51.5		ug/L	50.0		103	75-125			
1,4-Dichlorobenzene	52.9		ug/L	50.0		106	75-125			
2,2-Dichloropropane	56.6		ug/L	50.0		113	70-135			
2-Butanone (MEK)	50.7		ug/L	50.0		101	30-150			
2-Chlorotoluene	56.0		ug/L	50.0		112	75-125			
2-Hexanone (MBK)	34.1		ug/L	50.0		68.1	55-130			
4-Chlorotoluene	56.2		ug/L	50.0		112	75-130			
4-Isopropyltoluene	59.3		ug/L	50.0		119	75-130			
4-Methyl-2-pentanone (MIBK)	47.1		ug/L	50.0		94.1	60-135			
Acetone	39.8		ug/L	50.0		79.5	40-140			
Benzene	55.4		ug/L	50.0		111	80-120			
Bromobenzene	51.6		ug/L	50.0		103	75-125			
Bromochloromethane	52.0		ug/L	50.0		104	65-130			
Bromodichloromethane	54.6		ug/L	50.0		109	75-120			
Bromoform	47.4		ug/L	50.0		94.8	70-130			
Bromomethane	59.4		ug/L	50.0		119	30-145			
Carbon disulfide	69.9		ug/L	50.0		140	35-160			
Carbon tetrachloride	55.9		ug/L	50.0		112	65-140			
Chlorobenzene	53.4		ug/L	50.0		107	80-120			

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD0586 - SW5030B-MS										
LCS (BJD0586-BS1)				Prepared & Analyzed: 04/10/2026						
Chloroethane	62.2		ug/L	50.0		124	60-135			
Chloroform	52.7		ug/L	50.0		105	65-135			
Chloromethane	54.7		ug/L	50.0		109	40-125			
cis-1,2-Dichloroethylene	53.8		ug/L	50.0		108	70-125			
cis-1,3-Dichloropropene	55.2		ug/L	50.0		110	70-130			
Dibromochloromethane	54.2		ug/L	50.0		108	60-135			
Dibromomethane	49.0		ug/L	50.0		98.0	75-125			
Dichlorodifluoromethane	58.1		ug/L	50.0		116	30-155			
Ethylbenzene	53.8		ug/L	50.0		108	75-125			
Hexachlorobutadiene	56.1		ug/L	50.0		112	50-140			
Isopropylbenzene	55.1		ug/L	50.0		110	75-125			
m+p-Xylenes	110		ug/L	100		110	75-130			
Methylene chloride	47.9		ug/L	50.0		95.7	55-140			
Methyl-t-butyl ether (MTBE)	45.6		ug/L	50.0		91.1	65-125			
Naphthalene	42.8		ug/L	50.0		85.5	55-140			
n-Butylbenzene	57.1		ug/L	50.0		114	70-135			
n-Propylbenzene	58.4		ug/L	50.0		117	70-130			
o-Xylene	53.2		ug/L	50.0		106	80-120			
sec-Butylbenzene	66.3		ug/L	50.0		133	70-125			L
Styrene	54.7		ug/L	50.0		109	65-135			
tert-Butylbenzene	55.9		ug/L	50.0		112	70-130			
Tetrachloroethylene (PCE)	54.3		ug/L	50.0		109	45-150			
Toluene	53.6		ug/L	50.0		107	75-120			
trans-1,2-Dichloroethylene	54.6		ug/L	50.0		109	60-140			
trans-1,3-Dichloropropene	52.8		ug/L	50.0		106	55-140			

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD0586 - SW5030B-MS										
LCS (BJD0586-BS1)				Prepared & Analyzed: 04/10/2026						
Trichloroethylene	55.2		ug/L	50.0		110	70-125			
Trichlorofluoromethane	54.7		ug/L	50.0		109	60-145			
Vinyl chloride	64.9		ug/L	50.0		130	50-145			
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	<i>50.8</i>		ug/L	<i>50000</i>		<i>0.102</i>	<i>70-120</i>			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	<i>49.1</i>		ug/L	<i>50000</i>		<i>0.0982</i>	<i>75-120</i>			
<i>Surr: Dibromofluoromethane (Surr)</i>	<i>51.0</i>		ug/L	<i>50000</i>		<i>0.102</i>	<i>70-130</i>			
<i>Surr: Toluene-d8 (Surr)</i>	<i>49.6</i>		ug/L	<i>50000</i>		<i>0.0991</i>	<i>70-130</i>			
Matrix Spike (BJD0586-MS1)				Source: 26D0877-03		Prepared & Analyzed: 04/10/2026				
1,1,1,2-Tetrachloroethane	49.6		ug/L	50.0	BLOD	99.3	80-130			
1,1,1-Trichloroethane	47.6		ug/L	50.0	BLOD	95.3	65-130			
1,1,2,2-Tetrachloroethane	53.2		ug/L	50.0	BLOD	106	65-130			
1,1,2-Trichloroethane	49.9		ug/L	50.0	BLOD	99.8	75-125			
1,1-Dichloroethane	49.8		ug/L	50.0	0.84	98.0	70-135			
1,1-Dichloroethylene	46.6		ug/L	50.0	BLOD	93.2	50-145			
1,1-Dichloropropene	51.5		ug/L	50.0	BLOD	103	75-135			
1,2,3-Trichlorobenzene	49.4		ug/L	50.0	BLOD	98.8	55-140			
1,2,3-Trichloropropane	50.9		ug/L	50.0	BLOD	102	75-125			
1,2,4-Trichlorobenzene	49.4		ug/L	50.0	BLOD	98.8	65-135			
1,2,4-Trimethylbenzene	52.4		ug/L	50.0	BLOD	105	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	50.1		ug/L	50.0	BLOD	100	50-130			
1,2-Dibromoethane (EDB)	48.5		ug/L	50.0	BLOD	97.0	80-120			
1,2-Dichlorobenzene	50.0		ug/L	50.0	BLOD	99.9	70-120			
1,2-Dichloroethane	43.8		ug/L	50.0	BLOD	87.5	70-130			
1,2-Dichloropropane	51.0		ug/L	50.0	BLOD	102	75-125			

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0586 - SW5030B-MS

Matrix Spike (BJD0586-MS1)		Source: 26D0877-03		Prepared & Analyzed: 04/10/2026						
1,3,5-Trimethylbenzene	50.4		ug/L	50.0	BLOD	101	75-124			
1,3-Dichlorobenzene	52.0		ug/L	50.0	BLOD	104	75-125			
1,3-Dichloropropane	50.1		ug/L	50.0	BLOD	100	75-125			
1,4-Dichlorobenzene	49.4		ug/L	50.0	BLOD	98.8	75-125			
2,2-Dichloropropane	49.8		ug/L	50.0	BLOD	99.5	70-135			
2-Butanone (MEK)	47.5		ug/L	50.0	BLOD	95.0	30-150			
2-Chlorotoluene	51.6		ug/L	50.0	BLOD	103	75-125			
2-Hexanone (MBK)	40.4		ug/L	50.0	BLOD	80.7	55-130			
4-Chlorotoluene	50.8		ug/L	50.0	BLOD	102	75-130			
4-Isopropyltoluene	55.7		ug/L	50.0	BLOD	111	75-130			
4-Methyl-2-pentanone (MIBK)	58.4		ug/L	50.0	BLOD	117	60-135			
Acetone	48.1		ug/L	50.0	9.02	78.1	40-140			
Benzene	49.2		ug/L	50.0	BLOD	98.5	80-120			
Bromobenzene	47.1		ug/L	50.0	BLOD	94.1	75-125			
Bromochloromethane	46.4		ug/L	50.0	BLOD	92.9	65-130			
Bromodichloromethane	50.4		ug/L	50.0	BLOD	101	75-136			
Bromoform	47.7		ug/L	50.0	BLOD	95.4	70-130			
Bromomethane	51.2		ug/L	50.0	BLOD	102	30-145			
Carbon disulfide	62.6		ug/L	50.0	BLOD	125	35-160			
Carbon tetrachloride	48.5		ug/L	50.0	BLOD	97.1	65-140			
Chlorobenzene	49.5		ug/L	50.0	BLOD	99.0	80-120			
Chloroethane	53.3		ug/L	50.0	BLOD	107	60-135			
Chloroform	46.8		ug/L	50.0	BLOD	93.5	65-135			
Chloromethane	47.2		ug/L	50.0	BLOD	94.4	40-125			
cis-1,2-Dichloroethylene	47.4		ug/L	50.0	0.91	93.1	70-125			

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0586 - SW5030B-MS

Matrix Spike (BJD0586-MS1)		Source: 26D0877-03		Prepared & Analyzed: 04/10/2026						
cis-1,3-Dichloropropene	51.8		ug/L	50.0	BLOD	104	47-136			
Dibromochloromethane	50.3		ug/L	50.0	BLOD	101	60-135			
Dibromomethane	47.4		ug/L	50.0	BLOD	94.9	75-125			
Dichlorodifluoromethane	47.1		ug/L	50.0	BLOD	94.1	30-155			
Ethylbenzene	50.3		ug/L	50.0	BLOD	101	75-125			
Hexachlorobutadiene	54.6		ug/L	50.0	BLOD	109	50-140			
Isopropylbenzene	50.6		ug/L	50.0	BLOD	101	75-125			
m+p-Xylenes	102		ug/L	100	BLOD	102	75-130			
Methylene chloride	43.5		ug/L	50.0	BLOD	87.0	55-140			
Methyl-t-butyl ether (MTBE)	45.7		ug/L	50.0	BLOD	91.4	65-125			
Naphthalene	49.1		ug/L	50.0	BLOD	98.1	55-140			
n-Butylbenzene	53.0		ug/L	50.0	BLOD	106	70-135			
n-Propylbenzene	51.8		ug/L	50.0	BLOD	104	70-130			
o-Xylene	50.2		ug/L	50.0	BLOD	100	80-120			
sec-Butylbenzene	60.7		ug/L	50.0	BLOD	121	70-125			
Styrene	50.7		ug/L	50.0	BLOD	101	65-135			
tert-Butylbenzene	51.2		ug/L	50.0	BLOD	102	70-130			
Tetrachloroethylene (PCE)	48.7		ug/L	50.0	BLOD	97.3	51-231			
Toluene	48.9		ug/L	50.0	BLOD	97.7	75-120			
trans-1,2-Dichloroethylene	49.2		ug/L	50.0	BLOD	98.4	60-140			
trans-1,3-Dichloropropene	48.9		ug/L	50.0	BLOD	97.8	55-140			
Trichloroethylene	50.2		ug/L	50.0	0.47	99.5	70-125			
Trichlorofluoromethane	48.2		ug/L	50.0	BLOD	96.4	60-145			
Vinyl chloride	50.4		ug/L	50.0	0.56	99.6	50-145			

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0586 - SW5030B-MS

Matrix Spike (BJD0586-MS1)		Source: 26D0877-03		Prepared & Analyzed: 04/10/2026						
Surr: 1,2-Dichloroethane-d4 (Surr)	50.5		ug/L	50000		0.101	70-120			
Surr: 4-Bromofluorobenzene (Surr)	48.6		ug/L	50000		0.0972	75-120			
Surr: Dibromofluoromethane (Surr)	48.6		ug/L	50000		0.0973	70-130			
Surr: Toluene-d8 (Surr)	49.1		ug/L	50000		0.0982	70-130			

Matrix Spike Dup (BJD0586-MSD1)		Source: 26D0877-03		Prepared & Analyzed: 04/10/2026						
1,1,1,2-Tetrachloroethane	46.8		ug/L	50.0	BLOD	93.5	80-130	5.93	30	
1,1,1-Trichloroethane	44.8		ug/L	50.0	BLOD	89.5	65-130	6.23	30	
1,1,2,2-Tetrachloroethane	51.8		ug/L	50.0	BLOD	104	65-130	2.82	30	
1,1,2-Trichloroethane	48.2		ug/L	50.0	BLOD	96.3	75-125	3.51	30	
1,1-Dichloroethane	46.6		ug/L	50.0	0.84	91.5	70-135	6.74	30	
1,1-Dichloroethylene	43.2		ug/L	50.0	BLOD	86.5	50-145	7.46	30	
1,1-Dichloropropene	48.8		ug/L	50.0	BLOD	97.5	75-135	5.41	30	
1,2,3-Trichlorobenzene	49.9		ug/L	50.0	BLOD	99.9	55-140	1.07	30	
1,2,3-Trichloropropane	49.6		ug/L	50.0	BLOD	99.2	75-125	2.59	30	
1,2,4-Trichlorobenzene	49.9		ug/L	50.0	BLOD	99.9	65-135	1.07	30	
1,2,4-Trimethylbenzene	51.1		ug/L	50.0	BLOD	102	75-130	2.53	30	
1,2-Dibromo-3-chloropropane (DBCP)	50.8		ug/L	50.0	BLOD	102	50-130	1.43	30	
1,2-Dibromoethane (EDB)	48.4		ug/L	50.0	BLOD	96.8	80-120	0.248	30	
1,2-Dichlorobenzene	48.8		ug/L	50.0	BLOD	97.6	70-120	2.35	30	
1,2-Dichloroethane	42.3		ug/L	50.0	BLOD	84.6	70-130	3.35	30	
1,2-Dichloropropane	48.6		ug/L	50.0	BLOD	97.1	75-125	4.92	30	
1,3,5-Trimethylbenzene	50.0		ug/L	50.0	BLOD	100	75-124	0.836	30	
1,3-Dichlorobenzene	50.1		ug/L	50.0	BLOD	100	75-125	3.80	30	
1,3-Dichloropropane	48.0		ug/L	50.0	BLOD	95.9	75-125	4.39	30	

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD0586 - SW5030B-MS										
Matrix Spike Dup (BJD0586-MSD1)		Source: 26D0877-03		Prepared & Analyzed: 04/10/2026						
1,4-Dichlorobenzene	47.7		ug/L	50.0	BLOD	95.5	75-125	3.44	30	
2,2-Dichloropropane	48.1		ug/L	50.0	BLOD	96.2	70-135	3.37	30	
2-Butanone (MEK)	59.8		ug/L	50.0	BLOD	120	30-150	22.9	30	
2-Chlorotoluene	48.8		ug/L	50.0	BLOD	97.6	75-125	5.56	30	
2-Hexanone (MBK)	46.1		ug/L	50.0	BLOD	92.2	55-130	13.2	30	
4-Chlorotoluene	48.2		ug/L	50.0	BLOD	96.3	75-130	5.36	30	
4-Isopropyltoluene	54.6		ug/L	50.0	BLOD	109	75-130	2.12	30	
4-Methyl-2-pentanone (MIBK)	60.6		ug/L	50.0	BLOD	121	60-135	3.82	30	
Acetone	55.9		ug/L	50.0	9.02	93.7	40-140	15.0	30	
Benzene	46.0		ug/L	50.0	BLOD	91.9	80-120	6.87	30	
Bromobenzene	43.9		ug/L	50.0	BLOD	87.9	75-125	6.90	30	
Bromochloromethane	44.8		ug/L	50.0	BLOD	89.7	65-130	3.53	30	
Bromodichloromethane	47.0		ug/L	50.0	BLOD	93.9	75-136	7.03	30	
Bromoform	45.4		ug/L	50.0	BLOD	90.9	70-130	4.83	30	
Bromomethane	48.3		ug/L	50.0	BLOD	96.5	30-145	5.79	30	
Carbon disulfide	64.8		ug/L	50.0	BLOD	130	35-160	3.42	30	
Carbon tetrachloride	45.7		ug/L	50.0	BLOD	91.3	65-140	6.07	30	
Chlorobenzene	46.6		ug/L	50.0	BLOD	93.2	80-120	5.99	30	
Chloroethane	50.0		ug/L	50.0	BLOD	100	60-135	6.35	30	
Chloroform	44.8		ug/L	50.0	BLOD	89.5	65-135	4.33	30	
Chloromethane	43.5		ug/L	50.0	BLOD	87.0	40-125	8.18	30	
cis-1,2-Dichloroethylene	45.7		ug/L	50.0	0.91	89.6	70-125	3.71	30	
cis-1,3-Dichloropropene	47.6		ug/L	50.0	BLOD	95.1	47-136	8.42	30	
Dibromochloromethane	48.6		ug/L	50.0	BLOD	97.3	60-135	3.32	30	
Dibromomethane	46.2		ug/L	50.0	BLOD	92.5	75-125	2.54	30	

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0586 - SW5030B-MS

Matrix Spike Dup (BJD0586-MSD1)		Source: 26D0877-03		Prepared & Analyzed: 04/10/2026						
Dichlorodifluoromethane	44.4		ug/L	50.0	BLOD	88.8	30-155	5.82	30	
Ethylbenzene	47.4		ug/L	50.0	BLOD	94.9	75-125	5.79	30	
Hexachlorobutadiene	55.2		ug/L	50.0	BLOD	110	50-140	0.965	30	
Isopropylbenzene	48.2		ug/L	50.0	BLOD	96.5	75-125	4.72	30	
m+p-Xylenes	95.0		ug/L	100	BLOD	95.0	75-130	6.68	30	
Methylene chloride	40.6		ug/L	50.0	BLOD	81.3	55-140	6.84	30	
Methyl-t-butyl ether (MTBE)	44.8		ug/L	50.0	BLOD	89.6	65-125	1.95	30	
Naphthalene	49.5		ug/L	50.0	BLOD	99.0	55-140	0.933	30	
n-Butylbenzene	52.6		ug/L	50.0	BLOD	105	70-135	0.777	30	
n-Propylbenzene	50.9		ug/L	50.0	BLOD	102	70-130	1.73	30	
o-Xylene	46.6		ug/L	50.0	BLOD	93.3	80-120	7.37	30	
sec-Butylbenzene	59.6		ug/L	50.0	BLOD	119	70-125	1.74	30	
Styrene	47.3		ug/L	50.0	BLOD	94.5	65-135	6.98	30	
tert-Butylbenzene	51.1		ug/L	50.0	BLOD	102	70-130	0.117	30	
Tetrachloroethylene (PCE)	45.6		ug/L	50.0	BLOD	91.2	51-231	6.47	30	
Toluene	45.8		ug/L	50.0	BLOD	91.5	75-120	6.53	30	
trans-1,2-Dichloroethylene	45.8		ug/L	50.0	BLOD	91.5	60-140	7.22	30	
trans-1,3-Dichloropropene	46.9		ug/L	50.0	BLOD	93.8	55-140	4.17	30	
Trichloroethylene	47.0		ug/L	50.0	0.47	93.0	70-125	6.71	30	
Trichlorofluoromethane	44.8		ug/L	50.0	BLOD	89.6	60-145	7.34	30	
Vinyl chloride	46.9		ug/L	50.0	0.56	92.7	50-145	7.13	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	51.6		ug/L	50000		0.103	70-120			
Surr: 4-Bromofluorobenzene (Surr)	48.0		ug/L	50000		0.0960	75-120			
Surr: Dibromofluoromethane (Surr)	49.8		ug/L	50000		0.0997	70-130			

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Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD0586 - SW5030B-MS										
Matrix Spike Dup (BJD0586-MSD1)		Source: 26D0877-03		Prepared & Analyzed: 04/10/2026						
<i>Surr: Toluene-d8 (Surr)</i>	49.8		ug/L	50000		0.0997	70-130			
Batch BJD0724 - SW5030B-MS										
Blank (BJD0724-BLK1)		Prepared & Analyzed: 04/14/2026								
2-Butanone (MEK)	ND	10.0	ug/L							
Acetone	ND	10.0	ug/L							
Benzene	ND	1.00	ug/L							
Ethylbenzene	ND	1.00	ug/L							
Toluene	ND	1.00	ug/L							
Xylenes, Total	ND	3.00	ug/L							
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	49.0		ug/L	50000		0.0981	70-120			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	46.2		ug/L	50000		0.0924	75-120			
<i>Surr: Dibromofluoromethane (Surr)</i>	48.7		ug/L	50000		0.0974	70-130			
<i>Surr: Toluene-d8 (Surr)</i>	48.5		ug/L	50000		0.0969	70-130			
LCS (BJD0724-BS1)		Prepared & Analyzed: 04/14/2026								
1,1,1,2-Tetrachloroethane	46.6		ug/L	50.0		93.3	80-130			
1,1,1-Trichloroethane	44.4		ug/L	50.0		88.8	65-130			
1,1,2,2-Tetrachloroethane	44.8		ug/L	50.0		89.5	65-130			
1,1,2-Trichloroethane	43.6		ug/L	50.0		87.1	75-125			
1,1-Dichloroethane	49.8		ug/L	50.0		99.7	70-135			
1,1-Dichloroethylene	42.2		ug/L	50.0		84.3	70-130			
1,1-Dichloropropene	51.2		ug/L	50.0		102	75-135			
1,2,3-Trichlorobenzene	57.9		ug/L	50.0		116	55-140			
1,2,3-Trichloropropane	42.4		ug/L	50.0		84.8	75-125			

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0724 - SW5030B-MS

LCS (BJD0724-BS1)

Prepared & Analyzed: 04/14/2026

1,2,4-Trichlorobenzene	61.2		ug/L	50.0		122	65-135			
1,2,4-Trimethylbenzene	55.4		ug/L	50.0		111	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	43.6		ug/L	50.0		87.3	50-130			
1,2-Dibromoethane (EDB)	46.0		ug/L	50.0		92.0	80-120			
1,2-Dichlorobenzene	54.0		ug/L	50.0		108	70-120			
1,2-Dichloroethane	43.2		ug/L	50.0		86.4	70-130			
1,2-Dichloropropane	43.5		ug/L	50.0		87.0	75-125			
1,3,5-Trimethylbenzene	54.8		ug/L	50.0		110	75-125			
1,3-Dichlorobenzene	53.6		ug/L	50.0		107	75-125			
1,3-Dichloropropane	44.7		ug/L	50.0		89.3	75-125			
1,4-Dichlorobenzene	50.8		ug/L	50.0		102	75-125			
2,2-Dichloropropane	47.3		ug/L	50.0		94.6	70-135			
2-Butanone (MEK)	37.8		ug/L	50.0		75.6	30-150			
2-Chlorotoluene	48.9		ug/L	50.0		97.7	75-125			
2-Hexanone (MBK)	38.9		ug/L	50.0		77.9	55-130			
4-Chlorotoluene	51.3		ug/L	50.0		103	75-130			
4-Isopropyltoluene	53.5		ug/L	50.0		107	75-130			
4-Methyl-2-pentanone (MIBK)	38.7		ug/L	50.0		77.3	60-135			
Acetone	47.7		ug/L	50.0		95.5	40-140			
Benzene	48.5		ug/L	50.0		97.0	80-120			
Bromobenzene	47.4		ug/L	50.0		94.7	75-125			
Bromochloromethane	46.3		ug/L	50.0		92.5	65-130			
Bromodichloromethane	48.9		ug/L	50.0		97.8	75-120			
Bromoform	42.8		ug/L	50.0		85.7	70-130			
Bromomethane	53.2		ug/L	50.0		106	30-145			

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0724 - SW5030B-MS

LCS (BJD0724-BS1)

Prepared & Analyzed: 04/14/2026

Carbon disulfide	38.8		ug/L	50.0		77.6	35-160			
Carbon tetrachloride	44.3		ug/L	50.0		88.6	65-140			
Chlorobenzene	49.7		ug/L	50.0		99.4	80-120			
Chloroethane	50.4		ug/L	50.0		101	60-135			
Chloroform	46.2		ug/L	50.0		92.5	65-135			
Chloromethane	47.3		ug/L	50.0		94.7	40-125			
cis-1,2-Dichloroethylene	45.3		ug/L	50.0		90.6	70-125			
cis-1,3-Dichloropropene	46.4		ug/L	50.0		92.8	70-130			
Dibromochloromethane	44.7		ug/L	50.0		89.4	60-135			
Dibromomethane	45.1		ug/L	50.0		90.2	75-125			
Dichlorodifluoromethane	52.6		ug/L	50.0		105	30-155			
Ethylbenzene	52.8		ug/L	50.0		106	75-125			
Hexachlorobutadiene	50.2		ug/L	50.0		100	50-140			
Isopropylbenzene	51.9		ug/L	50.0		104	75-125			
m+p-Xylenes	101		ug/L	100		101	75-130			
Methylene chloride	47.0		ug/L	50.0		94.1	55-140			
Methyl-t-butyl ether (MTBE)	46.7		ug/L	50.0		93.4	65-125			
Naphthalene	51.2		ug/L	50.0		102	55-140			
n-Butylbenzene	56.1		ug/L	50.0		112	70-135			
n-Propylbenzene	49.4		ug/L	50.0		98.7	70-130			
o-Xylene	48.2		ug/L	50.0		96.4	80-120			
sec-Butylbenzene	56.7		ug/L	50.0		113	70-125			
Styrene	50.4		ug/L	50.0		101	65-135			
tert-Butylbenzene	52.8		ug/L	50.0		106	70-130			
Tetrachloroethylene (PCE)	44.5		ug/L	50.0		89.0	45-150			

Certificate of Analysis

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0724 - SW5030B-MS

LCS (BJD0724-BS1)

Prepared & Analyzed: 04/14/2026

Toluene	45.6		ug/L	50.0		91.3	75-120			
trans-1,2-Dichloroethylene	47.3		ug/L	50.0		94.5	60-140			
trans-1,3-Dichloropropene	44.2		ug/L	50.0		88.5	55-140			
Trichloroethylene	47.4		ug/L	50.0		94.8	70-125			
Trichlorofluoromethane	46.8		ug/L	50.0		93.7	60-145			
Vinyl chloride	59.1		ug/L	50.0		118	50-145			
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	<i>50.4</i>		<i>ug/L</i>	<i>50000</i>		<i>0.101</i>	<i>70-120</i>			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	<i>47.5</i>		<i>ug/L</i>	<i>50000</i>		<i>0.0951</i>	<i>75-120</i>			
<i>Surr: Dibromofluoromethane (Surr)</i>	<i>50.8</i>		<i>ug/L</i>	<i>50000</i>		<i>0.102</i>	<i>70-130</i>			
<i>Surr: Toluene-d8 (Surr)</i>	<i>47.7</i>		<i>ug/L</i>	<i>50000</i>		<i>0.0954</i>	<i>70-130</i>			

Duplicate (BJD0724-DUP1)

Source: 26D0898-02

Prepared & Analyzed: 04/14/2026

1,1,1,2-Tetrachloroethane	ND	0.40	ug/L		BLOD				30	
1,1,1-Trichloroethane	ND	1.00	ug/L		BLOD				30	
1,1,2,2-Tetrachloroethane	ND	0.40	ug/L		BLOD				30	
1,1,2-Trichloroethane	ND	1.00	ug/L		BLOD				30	
1,1-Dichloroethane	ND	1.00	ug/L		BLOD				30	
1,1-Dichloroethylene	ND	1.00	ug/L		BLOD				30	
1,1-Dichloropropene	ND	1.00	ug/L		BLOD				30	
1,2,3-Trichlorobenzene	ND	1.00	ug/L		BLOD				30	
1,2,3-Trichloropropane	ND	1.00	ug/L		BLOD				30	
1,2,4-Trichlorobenzene	ND	1.00	ug/L		BLOD				30	
1,2,4-Trimethylbenzene	ND	1.00	ug/L		4.00				30	
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.00	ug/L		BLOD				30	
1,2-Dibromoethane (EDB)	ND	1.00	ug/L		BLOD				30	

Certificate of Analysis

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0724 - SW5030B-MS

Duplicate (BJD0724-DUP1)

Source: 26D0898-02

Prepared & Analyzed: 04/14/2026

1,2-Dichlorobenzene	ND	0.50	ug/L		BLOD				30	
1,2-Dichloroethane	ND	1.00	ug/L		BLOD				30	
1,2-Dichloropropane	ND	0.50	ug/L		BLOD				30	
1,3,5-Trimethylbenzene	ND	1.00	ug/L		BLOD				30	
1,3-Dichlorobenzene	ND	1.00	ug/L		BLOD				30	
1,3-Dichloropropane	ND	1.00	ug/L		BLOD				30	
1,4-Dichlorobenzene	ND	1.00	ug/L		BLOD				30	
2,2-Dichloropropane	ND	1.00	ug/L		BLOD				30	
2-Butanone (MEK)	ND	10.0	ug/L		BLOD				30	
2-Chlorotoluene	ND	1.00	ug/L		BLOD				30	
2-Hexanone (MBK)	ND	5.00	ug/L		BLOD				30	
4-Chlorotoluene	ND	1.00	ug/L		BLOD				30	
4-Isopropyltoluene	ND	1.00	ug/L		BLOD				30	
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/L		BLOD				30	
Acetone	ND	10.0	ug/L		BLOD				30	
Benzene	ND	1.00	ug/L		BLOD				30	
Bromobenzene	ND	1.00	ug/L		BLOD				30	
Bromochloromethane	ND	1.00	ug/L		BLOD				30	
Bromodichloromethane	ND	0.50	ug/L		BLOD				30	
Bromoform	ND	1.00	ug/L		BLOD				30	
Bromomethane	ND	1.00	ug/L		BLOD				30	
Carbon disulfide	ND	10.0	ug/L		BLOD				30	
Carbon tetrachloride	ND	1.00	ug/L		BLOD				30	
Chlorobenzene	ND	1.00	ug/L		BLOD				30	
Chloroethane	ND	1.00	ug/L		BLOD				30	

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0724 - SW5030B-MS

Duplicate (BJD0724-DUP1)		Source: 26D0898-02		Prepared & Analyzed: 04/14/2026						
Chloroform	ND	0.50	ug/L		BLOD				30	
Chloromethane	ND	1.00	ug/L		BLOD				30	
cis-1,2-Dichloroethylene	ND	1.00	ug/L		BLOD				30	
cis-1,3-Dichloropropene	ND	1.00	ug/L		BLOD				30	
Dibromochloromethane	ND	0.50	ug/L		BLOD				30	
Dibromomethane	ND	1.00	ug/L		BLOD				30	
Dichlorodifluoromethane	ND	1.00	ug/L		BLOD				30	
Di-isopropyl ether (DIPE)	ND	5.00	ug/L		BLOD				30	
Ethylbenzene	ND	1.00	ug/L		BLOD				30	
Hexachlorobutadiene	ND	0.80	ug/L		BLOD				30	
Iodomethane	ND	10.0	ug/L		BLOD				30	
Isopropylbenzene	ND	1.00	ug/L		BLOD				30	
m+p-Xylenes	ND	2.00	ug/L		BLOD				30	
Methylene chloride	ND	4.00	ug/L		BLOD				30	
Methyl-t-butyl ether (MTBE)	ND	1.00	ug/L		BLOD				30	
Naphthalene	ND	1.00	ug/L		BLOD				30	
n-Butylbenzene	ND	1.00	ug/L		BLOD				30	
n-Propylbenzene	ND	1.00	ug/L		BLOD				30	
o-Xylene	ND	1.00	ug/L		BLOD				30	
sec-Butylbenzene	ND	1.00	ug/L		BLOD				30	
Styrene	ND	1.00	ug/L		BLOD				30	
tert-Butylbenzene	ND	1.00	ug/L		BLOD				30	
Tetrachloroethylene (PCE)	ND	1.00	ug/L		BLOD				30	
Toluene	ND	1.00	ug/L		2.40				30	
trans-1,2-Dichloroethylene	ND	1.00	ug/L		BLOD				30	

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0724 - SW5030B-MS

Duplicate (BJD0724-DUP1)		Source: 26D0898-02		Prepared & Analyzed: 04/14/2026						
trans-1,3-Dichloropropene	ND	1.00	ug/L		BLOD				30	
Trichloroethylene	ND	1.00	ug/L		BLOD				30	
Trichlorofluoromethane	ND	1.00	ug/L		BLOD				30	
Vinyl acetate	ND	10.0	ug/L		BLOD				30	
Vinyl chloride	ND	0.50	ug/L		BLOD				30	
Xylenes, Total	ND	3.00	ug/L		BLOD				30	
Tetrahydrofuran	ND	10.0	ug/L		BLOD				30	
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	<i>48.8</i>		ug/L	<i>50000</i>		<i>0.0975</i>	<i>70-120</i>			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	<i>46.6</i>		ug/L	<i>50000</i>		<i>0.0932</i>	<i>75-120</i>			
<i>Surr: Dibromofluoromethane (Surr)</i>	<i>50.3</i>		ug/L	<i>50000</i>		<i>0.101</i>	<i>70-130</i>			
<i>Surr: Toluene-d8 (Surr)</i>	<i>49.1</i>		ug/L	<i>50000</i>		<i>0.0982</i>	<i>70-130</i>			
Matrix Spike (BJD0724-MS1)		Source: 26D0898-01		Prepared & Analyzed: 04/14/2026						
1,1,1,2-Tetrachloroethane	48.4		ug/L	50.0	BLOD	96.7	80-130			
1,1,1-Trichloroethane	46.3		ug/L	50.0	BLOD	92.5	65-130			
1,1,2,2-Tetrachloroethane	50.0		ug/L	50.0	BLOD	100	65-130			
1,1,2-Trichloroethane	47.2		ug/L	50.0	BLOD	94.4	75-125			
1,1-Dichloroethane	51.4		ug/L	50.0	BLOD	103	70-135			
1,1-Dichloroethylene	43.4		ug/L	50.0	BLOD	86.9	50-145			
1,1-Dichloropropene	52.4		ug/L	50.0	BLOD	105	75-135			
1,2,3-Trichlorobenzene	60.7		ug/L	50.0	BLOD	121	55-140			
1,2,3-Trichloropropane	47.3		ug/L	50.0	BLOD	94.6	75-125			
1,2,4-Trichlorobenzene	64.0		ug/L	50.0	BLOD	128	65-135			
1,2,4-Trimethylbenzene	57.6		ug/L	50.0	6.20	103	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	45.4		ug/L	50.0	BLOD	90.8	50-130			

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0724 - SW5030B-MS

Matrix Spike (BJD0724-MS1)		Source: 26D0898-01		Prepared & Analyzed: 04/14/2026						
1,2-Dibromoethane (EDB)	50.9	ug/L	50.0	BLOD	102	80-120				
1,2-Dichlorobenzene	57.0	ug/L	50.0	BLOD	114	70-120				
1,2-Dichloroethane	45.5	ug/L	50.0	BLOD	91.0	70-130				
1,2-Dichloropropane	48.6	ug/L	50.0	BLOD	97.2	75-125				
1,3,5-Trimethylbenzene	56.3	ug/L	50.0	2.00	109	75-124				
1,3-Dichlorobenzene	55.9	ug/L	50.0	BLOD	112	75-125				
1,3-Dichloropropane	48.1	ug/L	50.0	BLOD	96.1	75-125				
1,4-Dichlorobenzene	53.7	ug/L	50.0	BLOD	107	75-125				
2,2-Dichloropropane	49.5	ug/L	50.0	BLOD	99.0	70-135				
2-Butanone (MEK)	40.0	ug/L	50.0	BLOD	80.1	30-150				
2-Chlorotoluene	50.6	ug/L	50.0	BLOD	101	75-125				
2-Hexanone (MBK)	41.7	ug/L	50.0	BLOD	83.5	55-130				
4-Chlorotoluene	55.1	ug/L	50.0	BLOD	110	75-130				
4-Isopropyltoluene	54.4	ug/L	50.0	4.00	101	75-130				
4-Methyl-2-pentanone (MIBK)	42.4	ug/L	50.0	BLOD	84.8	60-135				
Acetone	58.2	ug/L	50.0	BLOD	116	40-140				
Benzene	52.3	ug/L	50.0	BLOD	105	80-120				
Bromobenzene	48.7	ug/L	50.0	BLOD	97.4	75-125				
Bromochloromethane	50.6	ug/L	50.0	BLOD	101	65-130				
Bromodichloromethane	52.1	ug/L	50.0	BLOD	104	75-136				
Bromoform	46.2	ug/L	50.0	BLOD	92.3	70-130				
Bromomethane	56.9	ug/L	50.0	BLOD	114	30-145				
Carbon disulfide	55.4	ug/L	50.0	BLOD	111	35-160				
Carbon tetrachloride	46.0	ug/L	50.0	BLOD	92.0	65-140				
Chlorobenzene	52.4	ug/L	50.0	BLOD	105	80-120				

Certificate of Analysis

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0724 - SW5030B-MS

Matrix Spike (BJD0724-MS1)		Source: 26D0898-01		Prepared & Analyzed: 04/14/2026						
Chloroethane	51.6		ug/L	50.0	BLOD	103	60-135			
Chloroform	48.8		ug/L	50.0	BLOD	97.7	65-135			
Chloromethane	49.4		ug/L	50.0	BLOD	98.7	40-125			
cis-1,2-Dichloroethylene	47.0		ug/L	50.0	BLOD	94.1	70-125			
cis-1,3-Dichloropropene	49.5		ug/L	50.0	BLOD	98.9	47-136			
Dibromochloromethane	49.1		ug/L	50.0	BLOD	98.2	60-135			
Dibromomethane	49.4		ug/L	50.0	BLOD	98.8	75-125			
Dichlorodifluoromethane	52.0		ug/L	50.0	BLOD	104	30-155			
Ethylbenzene	54.8		ug/L	50.0	7.40	94.7	75-125			
Hexachlorobutadiene	50.1		ug/L	50.0	BLOD	100	50-140			
Isopropylbenzene	52.7		ug/L	50.0	BLOD	105	75-125			
m+p-Xylenes	106		ug/L	100	26.0	79.7	75-130			
Methylene chloride	48.0		ug/L	50.0	BLOD	95.9	55-140			
Methyl-t-butyl ether (MTBE)	48.9		ug/L	50.0	BLOD	97.8	65-125			
Naphthalene	55.6		ug/L	50.0	BLOD	111	55-140			
n-Butylbenzene	56.0		ug/L	50.0	BLOD	112	70-135			
n-Propylbenzene	51.0		ug/L	50.0	BLOD	102	70-130			
o-Xylene	51.0		ug/L	50.0	14.0	74.0	80-120			M
sec-Butylbenzene	57.7		ug/L	50.0	BLOD	115	70-125			
Styrene	53.4		ug/L	50.0	BLOD	107	65-135			
tert-Butylbenzene	53.5		ug/L	50.0	BLOD	107	70-130			
Tetrachloroethylene (PCE)	46.2		ug/L	50.0	BLOD	92.4	51-231			
Toluene	48.3		ug/L	50.0	33.8	29.0	75-120			M
trans-1,2-Dichloroethylene	49.1		ug/L	50.0	BLOD	98.1	60-140			
trans-1,3-Dichloropropene	49.6		ug/L	50.0	BLOD	99.2	55-140			

Certificate of Analysis

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0724 - SW5030B-MS

Matrix Spike (BJD0724-MS1)		Source: 26D0898-01		Prepared & Analyzed: 04/14/2026						
Trichloroethylene	49.4		ug/L	50.0	BLOD	98.7	70-125			
Trichlorofluoromethane	47.3		ug/L	50.0	BLOD	94.7	60-145			
Vinyl chloride	60.8		ug/L	50.0	BLOD	122	50-145			
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	<i>47.2</i>		<i>ug/L</i>	<i>50000</i>		<i>0.0945</i>	<i>70-120</i>			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	<i>47.1</i>		<i>ug/L</i>	<i>50000</i>		<i>0.0942</i>	<i>75-120</i>			
<i>Surr: Dibromofluoromethane (Surr)</i>	<i>50.2</i>		<i>ug/L</i>	<i>50000</i>		<i>0.100</i>	<i>70-130</i>			
<i>Surr: Toluene-d8 (Surr)</i>	<i>47.8</i>		<i>ug/L</i>	<i>50000</i>		<i>0.0957</i>	<i>70-130</i>			

Batch BJD1017 - SW5030B-MS

Blank (BJD1017-BLK1)		Prepared & Analyzed: 04/20/2026								
2-Butanone (MEK)	ND	10.0	ug/L							
Acetone	ND	10.0	ug/L							
Benzene	ND	1.00	ug/L							
Ethylbenzene	ND	1.00	ug/L							
Toluene	ND	1.00	ug/L							
Xylenes, Total	ND	3.00	ug/L							
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	<i>51.8</i>		<i>ug/L</i>	<i>50.0</i>		<i>104</i>	<i>70-120</i>			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	<i>50.1</i>		<i>ug/L</i>	<i>50.0</i>		<i>100</i>	<i>75-120</i>			
<i>Surr: Dibromofluoromethane (Surr)</i>	<i>52.5</i>		<i>ug/L</i>	<i>50.0</i>		<i>105</i>	<i>70-130</i>			
<i>Surr: Toluene-d8 (Surr)</i>	<i>51.4</i>		<i>ug/L</i>	<i>50.0</i>		<i>103</i>	<i>70-130</i>			

LCS (BJD1017-BS1)		Prepared & Analyzed: 04/17/2026								
1,1,1,2-Tetrachloroethane	40.8		ug/L	50.0		81.7	80-130			
1,1,1-Trichloroethane	34.0		ug/L	50.0		68.0	65-130			
1,1,2,2-Tetrachloroethane	54.8		ug/L	50.0		110	65-130			

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD1017 - SW5030B-MS										
LCS (BJD1017-BS1)				Prepared & Analyzed: 04/17/2026						
1,1,2-Trichloroethane	48.4		ug/L	50.0		96.8	75-125			
1,1-Dichloroethane	39.1		ug/L	50.0		78.2	70-135			
1,1-Dichloroethylene	33.4		ug/L	50.0		66.9	70-130			
1,1-Dichloropropene	36.6		ug/L	50.0		73.3	75-135			
1,2,3-Trichlorobenzene	45.6		ug/L	50.0		91.3	55-140			
1,2,3-Trichloropropane	53.3		ug/L	50.0		107	75-125			
1,2,4-Trichlorobenzene	45.2		ug/L	50.0		90.5	65-135			
1,2,4-Trimethylbenzene	39.9		ug/L	50.0		79.8	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	57.4		ug/L	50.0		115	50-130			
1,2-Dibromoethane (EDB)	49.2		ug/L	50.0		98.4	80-120			
1,2-Dichlorobenzene	44.9		ug/L	50.0		89.7	70-120			
1,2-Dichloroethane	43.1		ug/L	50.0		86.2	70-130			
1,2-Dichloropropane	42.7		ug/L	50.0		85.4	75-125			
1,3,5-Trimethylbenzene	37.3		ug/L	50.0		74.5	75-125			
1,3-Dichlorobenzene	41.8		ug/L	50.0		83.6	75-125			
1,3-Dichloropropane	47.7		ug/L	50.0		95.5	75-125			
1,4-Dichlorobenzene	42.1		ug/L	50.0		84.1	75-125			
2,2-Dichloropropane	35.8		ug/L	50.0		71.6	70-135			
2-Butanone (MEK)	54.8		ug/L	50.0		110	30-150			
2-Chlorotoluene	36.3		ug/L	50.0		72.6	75-125			
2-Hexanone (MBK)	54.8		ug/L	50.0		110	55-130			
4-Chlorotoluene	39.3		ug/L	50.0		78.7	75-130			
4-Isopropyltoluene	39.7		ug/L	50.0		79.4	75-130			
4-Methyl-2-pentanone (MIBK)	51.4		ug/L	50.0		103	60-135			
Acetone	53.6		ug/L	50.0		107	40-140			

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD1017 - SW5030B-MS

LCS (BJD1017-BS1)

Prepared & Analyzed: 04/17/2026

Benzene	38.8		ug/L	50.0		77.7	80-120			
Bromobenzene	42.2		ug/L	50.0		84.3	75-125			
Bromochloromethane	46.7		ug/L	50.0		93.4	65-130			
Bromodichloromethane	43.1		ug/L	50.0		86.3	75-120			
Bromoform	48.4		ug/L	50.0		96.8	70-130			
Bromomethane	47.4		ug/L	50.0		94.7	30-145			
Carbon disulfide	39.9		ug/L	50.0		79.9	35-160			
Carbon tetrachloride	32.1		ug/L	50.0		64.1	65-140			
Chlorobenzene	39.1		ug/L	50.0		78.2	80-120			
Chloroethane	39.4		ug/L	50.0		78.7	60-135			
Chloroform	39.5		ug/L	50.0		79.1	65-135			
Chloromethane	39.0		ug/L	50.0		77.9	40-125			
cis-1,2-Dichloroethylene	39.1		ug/L	50.0		78.2	70-125			
cis-1,3-Dichloropropene	45.5		ug/L	50.0		91.0	70-130			
Dibromochloromethane	47.2		ug/L	50.0		94.3	60-135			
Dibromomethane	45.6		ug/L	50.0		91.1	75-125			
Dichlorodifluoromethane	37.6		ug/L	50.0		75.2	30-155			
Ethylbenzene	36.9		ug/L	50.0		73.7	75-125			
Hexachlorobutadiene	38.8		ug/L	50.0		77.5	50-140			
Isopropylbenzene	36.1		ug/L	50.0		72.2	75-125			
m+p-Xylenes	73.4		ug/L	100		73.4	75-130			
Methylene chloride	43.4		ug/L	50.0		86.9	55-140			
Methyl-t-butyl ether (MTBE)	50.0		ug/L	50.0		99.9	65-125			
Naphthalene	49.6		ug/L	50.0		99.2	55-140			
n-Butylbenzene	39.5		ug/L	50.0		78.9	70-135			

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

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Work Order: 26D0797

Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD1017 - SW5030B-MS

LCS (BJD1017-BS1)

Prepared & Analyzed: 04/17/2026

n-Propylbenzene	35.4		ug/L	50.0		70.7	70-130			
o-Xylene	38.5		ug/L	50.0		76.9	80-120			
sec-Butylbenzene	41.2		ug/L	50.0		82.5	70-125			
Styrene	42.1		ug/L	50.0		84.2	65-135			
tert-Butylbenzene	36.1		ug/L	50.0		72.2	70-130			
Tetrachloroethylene (PCE)	32.9		ug/L	50.0		65.8	45-150			
Toluene	36.7		ug/L	50.0		73.4	75-120			
trans-1,2-Dichloroethylene	36.0		ug/L	50.0		71.9	60-140			
trans-1,3-Dichloropropene	48.5		ug/L	50.0		97.1	55-140			
Trichloroethylene	36.2		ug/L	50.0		72.3	70-125			
Trichlorofluoromethane	33.4		ug/L	50.0		66.9	60-145			
Vinyl chloride	40.5		ug/L	50.0		80.9	50-145			
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	53.0		ug/L	50.0		106	70-120			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	50.1		ug/L	50.0		100	75-120			
<i>Surr: Dibromofluoromethane (Surr)</i>	52.4		ug/L	50.0		105	70-130			
<i>Surr: Toluene-d8 (Surr)</i>	49.7		ug/L	50.0		99.3	70-130			

Duplicate (BJD1017-DUP1)

Source: 26D1326-02

Prepared & Analyzed: 04/20/2026

1,1,1,2-Tetrachloroethane	ND	0.40	ug/L		BLOD				30	
1,1,1-Trichloroethane	ND	1.00	ug/L		BLOD				30	
1,1,2,2-Tetrachloroethane	ND	0.40	ug/L		BLOD				30	
1,1,2-Trichloroethane	ND	1.00	ug/L		BLOD				30	
1,1-Dichloroethane	ND	1.00	ug/L		BLOD				30	
1,1-Dichloroethylene	ND	1.00	ug/L		BLOD				30	
1,1-Dichloropropene	ND	1.00	ug/L		BLOD				30	

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD1017 - SW5030B-MS										
Duplicate (BJD1017-DUP1)		Source: 26D1326-02		Prepared & Analyzed: 04/20/2026						
1,2,3-Trichlorobenzene	ND	1.00	ug/L		BLOD				30	
1,2,3-Trichloropropane	ND	1.00	ug/L		BLOD				30	
1,2,4-Trichlorobenzene	ND	1.00	ug/L		BLOD				30	
1,2,4-Trimethylbenzene	ND	1.00	ug/L		BLOD				30	
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.00	ug/L		BLOD				30	
1,2-Dibromoethane (EDB)	ND	1.00	ug/L		BLOD				30	
1,2-Dichlorobenzene	ND	0.50	ug/L		BLOD				30	
1,2-Dichloroethane	ND	1.00	ug/L		BLOD				30	
1,2-Dichloropropane	ND	0.50	ug/L		BLOD				30	
1,3,5-Trimethylbenzene	ND	1.00	ug/L		BLOD				30	
1,3-Dichlorobenzene	ND	1.00	ug/L		BLOD				30	
1,3-Dichloropropane	ND	1.00	ug/L		BLOD				30	
1,4-Dichlorobenzene	ND	1.00	ug/L		BLOD				30	
2,2-Dichloropropane	ND	1.00	ug/L		BLOD				30	
2-Butanone (MEK)	ND	10.0	ug/L		BLOD				30	
2-Chlorotoluene	ND	1.00	ug/L		BLOD				30	
2-Hexanone (MBK)	ND	5.00	ug/L		BLOD				30	
4-Chlorotoluene	ND	1.00	ug/L		BLOD				30	
4-Isopropyltoluene	ND	1.00	ug/L		BLOD				30	
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/L		BLOD				30	
Acetone	4.74	10.0	ug/L		5.90			21.8	30	
Benzene	ND	1.00	ug/L		BLOD				30	
Bromobenzene	ND	1.00	ug/L		BLOD				30	
Bromochloromethane	ND	1.00	ug/L		BLOD				30	
Bromodichloromethane	ND	0.50	ug/L		BLOD				30	

Certificate of Analysis

Client Name: SCS Engineers - Winchester
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Work Order: 26D0797

Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD1017 - SW5030B-MS

Duplicate (BJD1017-DUP1)				Source: 26D1326-02		Prepared & Analyzed: 04/20/2026				
Bromoform	ND	1.00	ug/L		BLOD				30	
Bromomethane	ND	1.00	ug/L		BLOD				30	
Carbon disulfide	0.37	10.0	ug/L		0.34			8.45	30	
Carbon tetrachloride	ND	1.00	ug/L		BLOD				30	
Chlorobenzene	ND	1.00	ug/L		BLOD				30	
Chloroethane	ND	1.00	ug/L		BLOD				30	
Chloroform	ND	0.50	ug/L		BLOD				30	
Chloromethane	ND	1.00	ug/L		BLOD				30	
cis-1,2-Dichloroethylene	ND	1.00	ug/L		BLOD				30	
cis-1,3-Dichloropropene	ND	1.00	ug/L		BLOD				30	
Dibromochloromethane	ND	0.50	ug/L		BLOD				30	
Dibromomethane	ND	1.00	ug/L		BLOD				30	
Dichlorodifluoromethane	ND	1.00	ug/L		BLOD				30	
Di-isopropyl ether (DIPE)	ND	5.00	ug/L		BLOD				30	
Ethylbenzene	ND	1.00	ug/L		BLOD				30	
Hexachlorobutadiene	ND	0.80	ug/L		BLOD				30	
Iodomethane	ND	10.0	ug/L		BLOD				30	
Isopropylbenzene	ND	1.00	ug/L		BLOD				30	
m+p-Xylenes	ND	2.00	ug/L		BLOD				30	
Methylene chloride	ND	4.00	ug/L		BLOD				30	
Methyl-t-butyl ether (MTBE)	ND	1.00	ug/L		BLOD				30	
Naphthalene	ND	1.00	ug/L		BLOD				30	
n-Butylbenzene	ND	1.00	ug/L		BLOD				30	
n-Propylbenzene	ND	1.00	ug/L		BLOD				30	
o-Xylene	ND	1.00	ug/L		BLOD				30	

Certificate of Analysis

Client Name: SCS Engineers - Winchester
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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD1017 - SW5030B-MS

Duplicate (BJD1017-DUP1)		Source: 26D1326-02		Prepared & Analyzed: 04/20/2026						
sec-Butylbenzene	ND	1.00	ug/L		BLOD				30	
Styrene	ND	1.00	ug/L		BLOD				30	
tert-Butylbenzene	ND	1.00	ug/L		BLOD				30	
Tetrachloroethylene (PCE)	ND	1.00	ug/L		BLOD				30	
Toluene	ND	1.00	ug/L		BLOD				30	
trans-1,2-Dichloroethylene	ND	1.00	ug/L		BLOD				30	
trans-1,3-Dichloropropene	ND	1.00	ug/L		BLOD				30	
Trichloroethylene	ND	1.00	ug/L		BLOD				30	
Trichlorofluoromethane	ND	1.00	ug/L		BLOD				30	
Vinyl acetate	ND	10.0	ug/L		BLOD				30	
Vinyl chloride	ND	0.50	ug/L		BLOD				30	
Xylenes, Total	ND	3.00	ug/L		BLOD				30	
Tetrahydrofuran	ND	10.0	ug/L		BLOD				30	
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	<i>56.6</i>		<i>ug/L</i>	<i>50.0</i>		<i>113</i>	<i>70-120</i>			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	<i>49.8</i>		<i>ug/L</i>	<i>50.0</i>		<i>99.7</i>	<i>75-120</i>			
<i>Surr: Dibromofluoromethane (Surr)</i>	<i>55.2</i>		<i>ug/L</i>	<i>50.0</i>		<i>110</i>	<i>70-130</i>			
<i>Surr: Toluene-d8 (Surr)</i>	<i>52.0</i>		<i>ug/L</i>	<i>50.0</i>		<i>104</i>	<i>70-130</i>			
Matrix Spike (BJD1017-MS1)		Source: 26D1326-01		Prepared & Analyzed: 04/17/2026						
1,1,1,2-Tetrachloroethane	52.3		ug/L	50.0	BLOD	105	80-130			
1,1,1-Trichloroethane	55.0		ug/L	50.0	BLOD	110	65-130			
1,1,2,2-Tetrachloroethane	61.5		ug/L	50.0	BLOD	123	65-130			
1,1,2-Trichloroethane	56.8		ug/L	50.0	BLOD	114	75-125			
1,1-Dichloroethane	60.2		ug/L	50.0	BLOD	120	70-135			
1,1-Dichloroethylene	57.8		ug/L	50.0	BLOD	116	50-145			

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
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Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD1017 - SW5030B-MS

Matrix Spike (BJD1017-MS1)		Source: 26D1326-01		Prepared & Analyzed: 04/17/2026						
1,1-Dichloropropene	60.3		ug/L	50.0	BLOD	121	75-135			
1,2,3-Trichlorobenzene	49.4		ug/L	50.0	BLOD	98.8	55-140			
1,2,3-Trichloropropane	59.1		ug/L	50.0	BLOD	118	75-125			
1,2,4-Trichlorobenzene	49.4		ug/L	50.0	BLOD	98.7	65-135			
1,2,4-Trimethylbenzene	55.1		ug/L	50.0	BLOD	110	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	60.0		ug/L	50.0	BLOD	120	50-130			
1,2-Dibromoethane (EDB)	55.8		ug/L	50.0	BLOD	112	80-120			
1,2-Dichlorobenzene	57.3		ug/L	50.0	BLOD	115	70-120			
1,2-Dichloroethane	54.0		ug/L	50.0	BLOD	108	70-130			
1,2-Dichloropropane	58.5		ug/L	50.0	BLOD	117	75-125			
1,3,5-Trimethylbenzene	54.0		ug/L	50.0	BLOD	108	75-124			
1,3-Dichlorobenzene	57.5		ug/L	50.0	BLOD	115	75-125			
1,3-Dichloropropane	56.2		ug/L	50.0	BLOD	112	75-125			
1,4-Dichlorobenzene	56.6		ug/L	50.0	BLOD	113	75-125			
2,2-Dichloropropane	58.3		ug/L	50.0	BLOD	117	70-135			
2-Butanone (MEK)	75.8		ug/L	50.0	BLOD	152	30-150			
2-Chlorotoluene	54.1		ug/L	50.0	BLOD	108	75-125			
2-Hexanone (MBK)	75.0		ug/L	50.0	BLOD	150	55-130			
4-Chlorotoluene	56.5		ug/L	50.0	BLOD	113	75-130			
4-Isopropyltoluene	58.8		ug/L	50.0	BLOD	118	75-130			
4-Methyl-2-pentanone (MIBK)	69.2		ug/L	50.0	BLOD	138	60-135			
Acetone	70.9		ug/L	50.0	BLOD	136	40-140			
Benzene	57.5		ug/L	50.0	BLOD	115	80-120			
Bromobenzene	56.4		ug/L	50.0	BLOD	113	75-125			
Bromochloromethane	60.0		ug/L	50.0	BLOD	120	65-130			

Certificate of Analysis

Client Name: SCS Engineers - Winchester
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Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD1017 - SW5030B-MS

Matrix Spike (BJD1017-MS1)		Source: 26D1326-01		Prepared & Analyzed: 04/17/2026						
Bromodichloromethane	58.1		ug/L	50.0	BLOD	116	75-136			
Bromoform	53.6		ug/L	50.0	BLOD	107	70-130			
Bromomethane	75.7		ug/L	50.0	BLOD	151	30-145			
Carbon disulfide	72.1		ug/L	50.0	0.31	144	35-160			
Carbon tetrachloride	54.3		ug/L	50.0	BLOD	109	65-140			
Chlorobenzene	55.1		ug/L	50.0	BLOD	110	80-120			
Chloroethane	65.9		ug/L	50.0	BLOD	132	60-135			
Chloroform	57.6		ug/L	50.0	BLOD	115	65-135			
Chloromethane	65.8		ug/L	50.0	BLOD	132	40-125			
cis-1,2-Dichloroethylene	57.7		ug/L	50.0	BLOD	115	70-125			
cis-1,3-Dichloropropene	59.7		ug/L	50.0	BLOD	119	47-136			
Dibromochloromethane	57.0		ug/L	50.0	BLOD	114	60-135			
Dibromomethane	56.0		ug/L	50.0	BLOD	112	75-125			
Dichlorodifluoromethane	66.8		ug/L	50.0	BLOD	134	30-155			
Ethylbenzene	56.4		ug/L	50.0	BLOD	113	75-125			
Hexachlorobutadiene	49.0		ug/L	50.0	BLOD	98.0	50-140			
Isopropylbenzene	56.4		ug/L	50.0	BLOD	113	75-125			
m+p-Xylenes	112		ug/L	100	BLOD	112	75-130			
Methylene chloride	62.1		ug/L	50.0	BLOD	124	55-140			
Methyl-t-butyl ether (MTBE)	58.3		ug/L	50.0	BLOD	117	65-125			
Naphthalene	48.5		ug/L	50.0	BLOD	97.0	55-140			
n-Butylbenzene	57.3		ug/L	50.0	BLOD	115	70-135			
n-Propylbenzene	55.4		ug/L	50.0	BLOD	111	70-130			
o-Xylene	56.7		ug/L	50.0	BLOD	113	80-120			
sec-Butylbenzene	63.6		ug/L	50.0	BLOD	127	70-125			

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD1017 - SW5030B-MS

Matrix Spike (BJD1017-MS1)		Source: 26D1326-01		Prepared & Analyzed: 04/17/2026						
Styrene	59.0		ug/L	50.0	BLOD	118	65-135			
tert-Butylbenzene	55.0		ug/L	50.0	BLOD	110	70-130			
Tetrachloroethylene (PCE)	49.9		ug/L	50.0	BLOD	99.8	51-231			
Toluene	55.6		ug/L	50.0	BLOD	111	75-120			
trans-1,2-Dichloroethylene	59.8		ug/L	50.0	BLOD	120	60-140			
trans-1,3-Dichloropropene	59.4		ug/L	50.0	BLOD	119	55-140			
Trichloroethylene	56.0		ug/L	50.0	BLOD	112	70-125			
Trichlorofluoromethane	58.7		ug/L	50.0	BLOD	117	60-145			
Vinyl chloride	73.5		ug/L	50.0	BLOD	147	50-145			
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	<i>54.6</i>		<i>ug/L</i>	<i>50.0</i>		<i>109</i>	<i>70-120</i>			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	<i>51.7</i>		<i>ug/L</i>	<i>50.0</i>		<i>103</i>	<i>75-120</i>			
<i>Surr: Dibromofluoromethane (Surr)</i>	<i>53.4</i>		<i>ug/L</i>	<i>50.0</i>		<i>107</i>	<i>70-130</i>			
<i>Surr: Toluene-d8 (Surr)</i>	<i>50.7</i>		<i>ug/L</i>	<i>50.0</i>		<i>101</i>	<i>70-130</i>			

Batch BJD1342 - SW5030B-MS

Blank (BJD1342-BLK1)		Prepared & Analyzed: 04/22/2026								
2-Butanone (MEK)	ND	10.0	ug/L							
Acetone	ND	10.0	ug/L							
Benzene	ND	1.00	ug/L							
Ethylbenzene	ND	1.00	ug/L							
Toluene	ND	1.00	ug/L							
Xylenes, Total	ND	3.00	ug/L							
Tetrahydrofuran	ND	10.0	ug/L							
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	<i>48.6</i>		<i>ug/L</i>	<i>50.0</i>		<i>97.2</i>	<i>70-120</i>			

Certificate of Analysis

Client Name: SCS Engineers - Winchester
 Client Site I.D.: Bristol LFG-EW Monthly Monitoring
 Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD1342 - SW5030B-MS										
Blank (BJD1342-BLK1)				Prepared & Analyzed: 04/22/2026						
Surr: 4-Bromofluorobenzene (Surr)	51.4		ug/L	50.0		103	75-120			
Surr: Dibromofluoromethane (Surr)	51.3		ug/L	50.0		103	70-130			
Surr: Toluene-d8 (Surr)	54.2		ug/L	50.0		108	70-130			
LCS (BJD1342-BS1)				Prepared & Analyzed: 04/22/2026						
1,1,1,2-Tetrachloroethane	36.4		ug/L	50.0		72.9	80-130			L
1,1,1-Trichloroethane	44.6		ug/L	50.0		89.2	65-130			
1,1,2,2-Tetrachloroethane	42.0		ug/L	50.0		84.0	65-130			
1,1,2-Trichloroethane	50.8		ug/L	50.0		102	75-125			
1,1-Dichloroethane	47.3		ug/L	50.0		94.5	70-135			
1,1-Dichloroethylene	41.3		ug/L	50.0		82.6	70-130			
1,1-Dichloropropene	46.3		ug/L	50.0		92.6	75-135			
1,2,3-Trichlorobenzene	34.3		ug/L	50.0		68.6	55-140			
1,2,3-Trichloropropane	41.0		ug/L	50.0		81.9	75-125			
1,2,4-Trichlorobenzene	31.7		ug/L	50.0		63.5	65-135			L
1,2,4-Trimethylbenzene	33.7		ug/L	50.0		67.5	75-130			L
1,2-Dibromo-3-chloropropane (DBCP)	35.6		ug/L	50.0		71.2	50-130			
1,2-Dibromoethane (EDB)	40.3		ug/L	50.0		80.6	80-120			
1,2-Dichlorobenzene	37.6		ug/L	50.0		75.3	70-120			
1,2-Dichloroethane	48.5		ug/L	50.0		97.0	70-130			
1,2-Dichloropropane	47.9		ug/L	50.0		95.9	75-125			
1,3,5-Trimethylbenzene	33.2		ug/L	50.0		66.3	75-125			L
1,3-Dichlorobenzene	34.0		ug/L	50.0		68.1	75-125			L
1,3-Dichloropropane	50.0		ug/L	50.0		100	75-125			
1,4-Dichlorobenzene	35.5		ug/L	50.0		71.1	75-125			L

Certificate of Analysis

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD1342 - SW5030B-MS										
LCS (BJD1342-BS1)				Prepared & Analyzed: 04/22/2026						
2,2-Dichloropropane	43.7		ug/L	50.0		87.4	70-135			
2-Butanone (MEK)	49.5		ug/L	50.0		99.0	30-150			
2-Chlorotoluene	32.6		ug/L	50.0		65.1	75-125			L
2-Hexanone (MBK)	40.1		ug/L	50.0		80.3	55-130			
4-Chlorotoluene	35.2		ug/L	50.0		70.4	75-130			L
4-Isopropyltoluene	35.1		ug/L	50.0		70.1	75-130			L
4-Methyl-2-pentanone (MIBK)	51.1		ug/L	50.0		102	60-135			
Acetone	50.5		ug/L	50.0		101	40-140			
Benzene	45.1		ug/L	50.0		90.3	80-120			
Bromobenzene	37.5		ug/L	50.0		75.0	75-125			L
Bromochloromethane	49.3		ug/L	50.0		98.6	65-130			
Bromodichloromethane	48.8		ug/L	50.0		97.7	75-120			
Bromoform	37.4		ug/L	50.0		74.8	70-130			
Bromomethane	36.4		ug/L	50.0		72.8	30-145			
Carbon disulfide	47.9		ug/L	50.0		95.9	35-160			
Carbon tetrachloride	40.8		ug/L	50.0		81.6	65-140			
Chlorobenzene	36.7		ug/L	50.0		73.4	80-120			L
Chloroethane	38.2		ug/L	50.0		76.3	60-135			
Chloroform	47.1		ug/L	50.0		94.2	65-135			
Chloromethane	34.2		ug/L	50.0		68.4	40-125			
cis-1,2-Dichloroethylene	45.3		ug/L	50.0		90.6	70-125			
cis-1,3-Dichloropropene	48.1		ug/L	50.0		96.2	70-130			
Dibromochloromethane	50.4		ug/L	50.0		101	60-135			
Dibromomethane	49.8		ug/L	50.0		99.6	75-125			
Dichlorodifluoromethane	41.1		ug/L	50.0		82.2	30-155			

Certificate of Analysis

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD1342 - SW5030B-MS

LCS (BJD1342-BS1)

Prepared & Analyzed: 04/22/2026

Ethylbenzene	35.2		ug/L	50.0		70.3	75-125			L
Hexachlorobutadiene	28.4		ug/L	50.0		56.8	50-140			
Isopropylbenzene	34.5		ug/L	50.0		69.0	75-125			L
m+p-Xylenes	70.4		ug/L	100		70.4	75-130			L
Methylene chloride	46.2		ug/L	50.0		92.4	55-140			
Methyl-t-butyl ether (MTBE)	54.0		ug/L	50.0		108	65-125			
Naphthalene	34.7		ug/L	50.0		69.3	55-140			
n-Butylbenzene	32.9		ug/L	50.0		65.8	70-135			L
n-Propylbenzene	31.6		ug/L	50.0		63.2	70-130			L
o-Xylene	36.0		ug/L	50.0		71.9	80-120			L
sec-Butylbenzene	35.0		ug/L	50.0		70.0	70-125			
Styrene	37.6		ug/L	50.0		75.2	65-135			
tert-Butylbenzene	31.6		ug/L	50.0		63.2	70-130			L
Tetrachloroethylene (PCE)	38.6		ug/L	50.0		77.1	45-150			
Toluene	43.6		ug/L	50.0		87.3	75-120			
trans-1,2-Dichloroethylene	44.0		ug/L	50.0		87.9	60-140			
trans-1,3-Dichloropropene	49.8		ug/L	50.0		99.7	55-140			
Trichloroethylene	43.8		ug/L	50.0		87.5	70-125			
Trichlorofluoromethane	39.7		ug/L	50.0		79.3	60-145			
Vinyl chloride	38.5		ug/L	50.0		77.0	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	49.9		ug/L	50.0		99.9	70-120			
Surr: 4-Bromofluorobenzene (Surr)	52.8		ug/L	50.0		106	75-120			
Surr: Dibromofluoromethane (Surr)	49.3		ug/L	50.0		98.6	70-130			
Surr: Toluene-d8 (Surr)	51.8		ug/L	50.0		104	70-130			

Certificate of Analysis

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD1342 - SW5030B-MS										
Matrix Spike (BJD1342-MS1)		Source: 26D1606-11RE1		Prepared & Analyzed: 04/22/2026						
1,1,1,2-Tetrachloroethane	40.2		ug/L	50.0	BLOD	80.3	80-130			
1,1,1-Trichloroethane	52.2		ug/L	50.0	BLOD	104	65-130			
1,1,2,2-Tetrachloroethane	45.2		ug/L	50.0	BLOD	90.3	65-130			
1,1,2-Trichloroethane	55.4		ug/L	50.0	BLOD	111	75-125			
1,1-Dichloroethane	53.9		ug/L	50.0	0.17	108	70-135			
1,1-Dichloroethylene	48.3		ug/L	50.0	BLOD	96.3	50-145			
1,1-Dichloropropene	53.8		ug/L	50.0	BLOD	108	75-135			
1,2,3-Trichlorobenzene	44.9		ug/L	50.0	BLOD	89.8	55-140			
1,2,3-Trichloropropane	44.0		ug/L	50.0	BLOD	87.9	75-125			
1,2,4-Trichlorobenzene	42.6		ug/L	50.0	BLOD	85.2	65-135			
1,2,4-Trimethylbenzene	38.8		ug/L	50.0	BLOD	77.6	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	40.2		ug/L	50.0	BLOD	80.4	50-130			
1,2-Dibromoethane (EDB)	42.2		ug/L	50.0	BLOD	84.4	80-120			
1,2-Dichlorobenzene	40.2		ug/L	50.0	BLOD	80.4	70-120			
1,2-Dichloroethane	52.0		ug/L	50.0	BLOD	104	70-130			
1,2-Dichloropropane	53.6		ug/L	50.0	BLOD	107	75-125			
1,3,5-Trimethylbenzene	38.1		ug/L	50.0	BLOD	76.2	75-124			
1,3-Dichlorobenzene	38.9		ug/L	50.0	BLOD	77.7	75-125			
1,3-Dichloropropane	54.5		ug/L	50.0	BLOD	109	75-125			
1,4-Dichlorobenzene	39.1		ug/L	50.0	BLOD	78.2	75-125			
2,2-Dichloropropane	50.7		ug/L	50.0	BLOD	101	70-135			
2-Butanone (MEK)	59.5		ug/L	50.0	BLOD	119	30-150			
2-Chlorotoluene	37.3		ug/L	50.0	BLOD	74.5	75-125			M
2-Hexanone (MBK)	38.6		ug/L	50.0	BLOD	77.1	55-130			
4-Chlorotoluene	39.8		ug/L	50.0	BLOD	79.5	75-130			

Certificate of Analysis

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD1342 - SW5030B-MS

Matrix Spike (BJD1342-MS1)		Source: 26D1606-11RE1		Prepared & Analyzed: 04/22/2026						
4-Isopropyltoluene	40.0		ug/L	50.0	BLOD	80.0	75-130			
4-Methyl-2-pentanone (MIBK)	50.7		ug/L	50.0	BLOD	101	60-135			
Acetone	54.1		ug/L	50.0	6.71	94.8	40-140			
Benzene	51.8		ug/L	50.0	BLOD	104	80-120			
Bromobenzene	41.7		ug/L	50.0	BLOD	83.4	75-125			
Bromochloromethane	54.6		ug/L	50.0	BLOD	109	65-130			
Bromodichloromethane	54.0		ug/L	50.0	BLOD	108	75-136			
Bromoform	40.5		ug/L	50.0	BLOD	81.0	70-130			
Bromomethane	42.6		ug/L	50.0	BLOD	85.2	30-145			
Carbon disulfide	50.9		ug/L	50.0	BLOD	102	35-160			
Carbon tetrachloride	49.0		ug/L	50.0	BLOD	97.9	65-140			
Chlorobenzene	41.0		ug/L	50.0	BLOD	81.9	80-120			
Chloroethane	44.6		ug/L	50.0	BLOD	89.3	60-135			
Chloroform	54.1		ug/L	50.0	BLOD	108	65-135			
Chloromethane	42.5		ug/L	50.0	BLOD	84.9	40-125			
cis-1,2-Dichloroethylene	51.5		ug/L	50.0	BLOD	103	70-125			
cis-1,3-Dichloropropene	53.8		ug/L	50.0	BLOD	108	47-136			
Dibromochloromethane	55.6		ug/L	50.0	BLOD	111	60-135			
Dibromomethane	53.6		ug/L	50.0	BLOD	107	75-125			
Dichlorodifluoromethane	48.8		ug/L	50.0	BLOD	97.7	30-155			
Ethylbenzene	40.4		ug/L	50.0	BLOD	80.8	75-125			
Hexachlorobutadiene	40.2		ug/L	50.0	BLOD	80.4	50-140			
Isopropylbenzene	40.1		ug/L	50.0	BLOD	80.2	75-125			
m+p-Xylenes	80.1		ug/L	100	BLOD	80.1	75-130			
Methylene chloride	49.9		ug/L	50.0	BLOD	98.6	55-140			

Certificate of Analysis

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD1342 - SW5030B-MS										
Matrix Spike (BJD1342-MS1) Source: 26D1606-11RE1 Prepared & Analyzed: 04/22/2026										
Methyl-t-butyl ether (MTBE)	56.9		ug/L	50.0	BLOD	114	65-125			
Naphthalene	44.2		ug/L	50.0	BLOD	88.4	55-140			
n-Butylbenzene	39.6		ug/L	50.0	BLOD	79.3	70-135			
n-Propylbenzene	37.4		ug/L	50.0	BLOD	74.8	70-130			
o-Xylene	40.7		ug/L	50.0	BLOD	81.5	80-120			
sec-Butylbenzene	42.3		ug/L	50.0	BLOD	84.6	70-125			
Styrene	41.7		ug/L	50.0	BLOD	83.5	65-135			
tert-Butylbenzene	37.9		ug/L	50.0	BLOD	75.8	70-130			
Tetrachloroethylene (PCE)	35.4		ug/L	50.0	BLOD	70.7	51-231			
Toluene	50.6		ug/L	50.0	BLOD	101	75-120			
trans-1,2-Dichloroethylene	49.9		ug/L	50.0	BLOD	99.9	60-140			
trans-1,3-Dichloropropene	54.9		ug/L	50.0	BLOD	110	55-140			
Trichloroethylene	50.0		ug/L	50.0	BLOD	100	70-125			
Trichlorofluoromethane	49.9		ug/L	50.0	BLOD	99.8	60-145			
Vinyl chloride	46.3		ug/L	50.0	BLOD	92.7	50-145			
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	<i>49.8</i>		<i>ug/L</i>	<i>50.0</i>		<i>99.7</i>	<i>70-120</i>			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	<i>53.0</i>		<i>ug/L</i>	<i>50.0</i>		<i>106</i>	<i>75-120</i>			
<i>Surr: Dibromofluoromethane (Surr)</i>	<i>51.4</i>		<i>ug/L</i>	<i>50.0</i>		<i>103</i>	<i>70-130</i>			
<i>Surr: Toluene-d8 (Surr)</i>	<i>52.9</i>		<i>ug/L</i>	<i>50.0</i>		<i>106</i>	<i>70-130</i>			
Matrix Spike Dup (BJD1342-MSD1) Source: 26D1606-11RE1 Prepared & Analyzed: 04/22/2026										
1,1,1,2-Tetrachloroethane	43.4		ug/L	50.0	BLOD	86.7	80-130	7.66	30	
1,1,1-Trichloroethane	54.4		ug/L	50.0	BLOD	109	65-130	4.20	30	
1,1,2,2-Tetrachloroethane	46.3		ug/L	50.0	BLOD	92.6	65-130	2.54	30	
1,1,2-Trichloroethane	57.8		ug/L	50.0	BLOD	116	75-125	4.29	30	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD1342 - SW5030B-MS										
Matrix Spike Dup (BJD1342-MSD1)		Source: 26D1606-11RE1			Prepared & Analyzed: 04/22/2026					
1,1-Dichloroethane	56.1		ug/L	50.0	0.17	112	70-135	4.00	30	
1,1-Dichloroethylene	50.8		ug/L	50.0	BLOD	101	50-145	4.88	30	
1,1-Dichloropropene	56.0		ug/L	50.0	BLOD	112	75-135	4.06	30	
1,2,3-Trichlorobenzene	58.8		ug/L	50.0	BLOD	118	55-140	26.8	30	
1,2,3-Trichloropropane	44.5		ug/L	50.0	BLOD	88.9	75-125	1.18	30	
1,2,4-Trichlorobenzene	55.1		ug/L	50.0	BLOD	110	65-135	25.6	30	
1,2,4-Trimethylbenzene	41.1		ug/L	50.0	BLOD	82.1	75-130	5.61	30	
1,2-Dibromo-3-chloropropane (DBCP)	44.2		ug/L	50.0	BLOD	88.5	50-130	9.57	30	
1,2-Dibromoethane (EDB)	44.4		ug/L	50.0	BLOD	88.8	80-120	5.10	30	
1,2-Dichlorobenzene	42.4		ug/L	50.0	BLOD	84.8	70-120	5.40	30	
1,2-Dichloroethane	53.4		ug/L	50.0	BLOD	107	70-130	2.73	30	
1,2-Dichloropropane	55.6		ug/L	50.0	BLOD	111	75-125	3.75	30	
1,3,5-Trimethylbenzene	40.3		ug/L	50.0	BLOD	80.7	75-124	5.74	30	
1,3-Dichlorobenzene	41.8		ug/L	50.0	BLOD	83.6	75-125	7.31	30	
1,3-Dichloropropane	58.1		ug/L	50.0	BLOD	116	75-125	6.34	30	
1,4-Dichlorobenzene	41.4		ug/L	50.0	BLOD	82.8	75-125	5.71	30	
2,2-Dichloropropane	53.3		ug/L	50.0	BLOD	107	70-135	4.94	30	
2-Butanone (MEK)	45.1		ug/L	50.0	BLOD	90.2	30-150	27.5	30	
2-Chlorotoluene	40.3		ug/L	50.0	BLOD	80.7	75-125	7.91	30	
2-Hexanone (MBK)	36.3		ug/L	50.0	BLOD	72.6	55-130	6.01	30	
4-Chlorotoluene	41.7		ug/L	50.0	BLOD	83.4	75-130	4.76	30	
4-Isopropyltoluene	43.0		ug/L	50.0	BLOD	85.9	75-130	7.09	30	
4-Methyl-2-pentanone (MIBK)	48.6		ug/L	50.0	BLOD	97.2	60-135	4.21	30	
Acetone	50.0		ug/L	50.0	6.71	86.6	40-140	7.89	30	
Benzene	56.0		ug/L	50.0	BLOD	112	80-120	7.76	30	

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Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD1342 - SW5030B-MS

Matrix Spike Dup (BJD1342-MSD1)		Source: 26D1606-11RE1		Prepared & Analyzed: 04/22/2026						
Bromobenzene	43.7		ug/L	50.0	BLOD	87.4	75-125	4.73	30	
Bromochloromethane	55.5		ug/L	50.0	BLOD	111	65-130	1.63	30	
Bromodichloromethane	56.7		ug/L	50.0	BLOD	113	75-136	4.93	30	
Bromoform	41.8		ug/L	50.0	BLOD	83.5	70-130	3.06	30	
Bromomethane	44.5		ug/L	50.0	BLOD	88.9	30-145	4.25	30	
Carbon disulfide	49.0		ug/L	50.0	BLOD	98.1	35-160	3.66	30	
Carbon tetrachloride	52.6		ug/L	50.0	BLOD	105	65-140	7.28	30	
Chlorobenzene	43.2		ug/L	50.0	BLOD	86.3	80-120	5.18	30	
Chloroethane	46.5		ug/L	50.0	BLOD	93.0	60-135	4.10	30	
Chloroform	55.9		ug/L	50.0	BLOD	112	65-135	3.36	30	
Chloromethane	41.5		ug/L	50.0	BLOD	82.9	40-125	2.41	30	
cis-1,2-Dichloroethylene	53.6		ug/L	50.0	BLOD	107	70-125	3.99	30	
cis-1,3-Dichloropropene	56.7		ug/L	50.0	BLOD	113	47-136	5.17	30	
Dibromochloromethane	58.5		ug/L	50.0	BLOD	117	60-135	5.12	30	
Dibromomethane	55.3		ug/L	50.0	BLOD	111	75-125	3.03	30	
Dichlorodifluoromethane	49.6		ug/L	50.0	BLOD	99.3	30-155	1.65	30	
Ethylbenzene	42.7		ug/L	50.0	BLOD	85.5	75-125	5.68	30	
Hexachlorobutadiene	51.6		ug/L	50.0	BLOD	103	50-140	24.8	30	
Isopropylbenzene	42.6		ug/L	50.0	BLOD	85.2	75-125	6.02	30	
m+p-Xylenes	83.5		ug/L	100	BLOD	83.5	75-130	4.20	30	
Methylene chloride	51.7		ug/L	50.0	BLOD	102	55-140	3.56	30	
Methyl-t-butyl ether (MTBE)	58.2		ug/L	50.0	BLOD	116	65-125	2.17	30	
Naphthalene	51.7		ug/L	50.0	BLOD	103	55-140	15.7	30	
n-Butylbenzene	41.2		ug/L	50.0	BLOD	82.5	70-135	3.96	30	
n-Propylbenzene	39.9		ug/L	50.0	BLOD	79.9	70-130	6.51	30	

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Volatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD1342 - SW5030B-MS

Matrix Spike Dup (BJD1342-MSD1)		Source: 26D1606-11RE1		Prepared & Analyzed: 04/22/2026						
o-Xylene	43.1		ug/L	50.0	BLOD	86.1	80-120	5.54	30	
sec-Butylbenzene	45.1		ug/L	50.0	BLOD	90.2	70-125	6.41	30	
Styrene	44.0		ug/L	50.0	BLOD	88.0	65-135	5.32	30	
tert-Butylbenzene	40.5		ug/L	50.0	BLOD	81.1	70-130	6.78	30	
Tetrachloroethylene (PCE)	38.9		ug/L	50.0	BLOD	77.8	51-231	9.51	30	
Toluene	54.2		ug/L	50.0	BLOD	108	75-120	6.83	30	
trans-1,2-Dichloroethylene	53.0		ug/L	50.0	BLOD	106	60-140	5.95	30	
trans-1,3-Dichloropropene	57.8		ug/L	50.0	BLOD	116	55-140	5.13	30	
Trichloroethylene	52.9		ug/L	50.0	BLOD	106	70-125	5.60	30	
Trichlorofluoromethane	52.3		ug/L	50.0	BLOD	105	60-145	4.77	30	
Vinyl chloride	47.4		ug/L	50.0	BLOD	94.9	50-145	2.35	30	
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	<i>48.6</i>		<i>ug/L</i>	<i>50.0</i>		<i>97.2</i>	<i>70-120</i>			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	<i>52.5</i>		<i>ug/L</i>	<i>50.0</i>		<i>105</i>	<i>75-120</i>			
<i>Surr: Dibromofluoromethane (Surr)</i>	<i>50.3</i>		<i>ug/L</i>	<i>50.0</i>		<i>101</i>	<i>70-130</i>			
<i>Surr: Toluene-d8 (Surr)</i>	<i>52.4</i>		<i>ug/L</i>	<i>50.0</i>		<i>105</i>	<i>70-130</i>			

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Semivolatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0653 - SW3510C/EPA600-MS

Blank (BJD0653-BLK1)

Prepared & Analyzed: 04/13/2026

Anthracene	ND	10.0	ug/L							
<i>Surr: 2,4,6-Tribromophenol (Surr)</i>	69.2		ug/L	100		69.2	5-136			
<i>Surr: 2-Fluorobiphenyl (Surr)</i>	31.1		ug/L	50.0		62.3	9-117			
<i>Surr: 2-Fluorophenol (Surr)</i>	41.5		ug/L	100		41.5	5-60			
<i>Surr: Nitrobenzene-d5 (Surr)</i>	32.7		ug/L	50.0		65.4	5-151			
<i>Surr: Phenol-d5 (Surr)</i>	28.2		ug/L	100		28.2	5-60			
<i>Surr: p-Terphenyl-d14 (Surr)</i>	24.5		ug/L	50.0		49.0	5-141			

LCS (BJD0653-BS1)

Prepared & Analyzed: 04/13/2026

1,2,4-Trichlorobenzene	19.5	10.0	ug/L	50.0		39.0	57-130			L
1,2-Dichlorobenzene	16.8	10.0	ug/L	50.0		33.7	22-115			
1,3-Dichlorobenzene	15.5	10.0	ug/L	50.0		30.9	22-112			
1,4-Dichlorobenzene	15.6	10.0	ug/L	50.0		31.3	13-112			
2,4,6-Trichlorophenol	31.0	10.0	ug/L	50.0		62.0	52-129			
2,4-Dichlorophenol	27.7	10.0	ug/L	50.0		55.4	53-122			
2,4-Dimethylphenol	27.3	5.00	ug/L	50.0		54.6	42-120			
2,4-Dinitrophenol	27.1	50.0	ug/L	50.0		54.3	48-127			
2,4-Dinitrotoluene	31.1	10.0	ug/L	50.0		62.1	10-173			
2,6-Dinitrotoluene	31.4	10.0	ug/L	50.0		62.8	68-137			L
2-Chloronaphthalene	25.5	10.0	ug/L	50.0		50.9	65-120			L
2-Chlorophenol	25.5	10.0	ug/L	50.0		51.0	36-120			
2-Nitrophenol	28.4	10.0	ug/L	50.0		56.9	45-167			
3,3'-Dichlorobenzidine	28.2	10.0	ug/L	50.0		56.4	10-213			
4,6-Dinitro-2-methylphenol	33.8	50.0	ug/L	50.0		67.7	53-130			
4-Bromophenyl phenyl ether	28.5	10.0	ug/L	50.0		57.1	65-120			L

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Semivolatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD0653 - SW3510C/EPA600-MS										
LCS (BJD0653-BS1)				Prepared & Analyzed: 04/13/2026						
4-Chlorophenyl phenyl ether	30.4	10.0	ug/L	50.0		60.7	38-145			
4-Nitrophenol	13.1	50.0	ug/L	50.0		26.2	13-129			
Acenaphthene	28.8	10.0	ug/L	50.0		57.6	60-132			L
Acenaphthylene	27.2	10.0	ug/L	50.0		54.4	54-126			
Acetophenone	27.0	20.0	ug/L	50.0		53.9	0-200			
Anthracene	30.1	10.0	ug/L	50.0		60.1	43-120			
Benzo (a) anthracene	33.2	10.0	ug/L	50.0		66.3	42-133			
Benzo (a) pyrene	35.1	10.0	ug/L	50.0		70.2	32-148			
Benzo (b) fluoranthene	36.3	10.0	ug/L	50.0		72.7	42-140			
Benzo (g,h,i) perylene	31.9	10.0	ug/L	50.0		63.8	10-195			
Benzo (k) fluoranthene	34.9	10.0	ug/L	50.0		69.7	25-146			
bis (2-Chloroethoxy) methane	30.0	10.0	ug/L	50.0		60.0	49-165			
bis (2-Chloroethyl) ether	27.7	10.0	ug/L	50.0		55.4	43-126			
2,2'-Oxybis (1-chloropropane)	26.7	10.0	ug/L	50.0		53.5	63-139			L
bis (2-Ethylhexyl) phthalate	29.0	10.0	ug/L	50.0		57.9	29-137			
Butyl benzyl phthalate	31.2	10.0	ug/L	50.0		62.5	10-140			
Chrysene	32.8	10.0	ug/L	50.0		65.6	44-140			
Dibenz (a,h) anthracene	33.1	10.0	ug/L	50.0		66.3	10-200			
Diethyl phthalate	31.8	10.0	ug/L	50.0		63.7	10-120			
Dimethyl phthalate	31.2	10.0	ug/L	50.0		62.4	10-120			
Di-n-butyl phthalate	31.1	10.0	ug/L	50.0		62.2	10-120			
Di-n-octyl phthalate	34.7	10.0	ug/L	50.0		69.4	19-132			
Fluoranthene	34.8	10.0	ug/L	50.0		69.7	43-121			
Fluorene	27.2	10.0	ug/L	50.0		54.5	70-120			L
Hexachlorobenzene	22.6	2.50	ug/L	50.0		45.3	10-142			

Certificate of Analysis

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Semivolatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD0653 - SW3510C/EPA600-MS										
LCS (BJD0653-BS1)				Prepared & Analyzed: 04/13/2026						
Hexachlorobutadiene	19.2	10.0	ug/L	50.0		38.3	38-120			
Hexachlorocyclopentadiene	19.8	10.0	ug/L	50.0		39.7	10-76			
Hexachloroethane	15.5	10.0	ug/L	50.0		31.0	55-120			L
Indeno (1,2,3-cd) pyrene	32.5	10.0	ug/L	50.0		65.0	10-151			
Isophorone	27.7	10.0	ug/L	50.0		55.4	47-180			
Naphthalene	21.8	5.00	ug/L	50.0		43.7	36-120			
Nitrobenzene	26.5	10.0	ug/L	50.0		52.9	54-158			L
n-Nitrosodimethylamine	18.1	10.0	ug/L	50.0		36.1	10-85			
n-Nitrosodi-n-propylamine	27.3	10.0	ug/L	50.0		54.5	14-198			
n-Nitrosodiphenylamine	26.0	10.0	ug/L	50.0		52.1	12-97			
p-Chloro-m-cresol	28.4	10.0	ug/L	50.0		56.9	10-142			
Pentachlorophenol	27.0	20.0	ug/L	50.0		54.0	38-152			
Phenanthrene	31.6	10.0	ug/L	50.0		63.3	65-120			L
Phenol	11.7	10.0	ug/L	50.5		23.2	17-120			
Pyrene	29.7	10.0	ug/L	50.0		59.5	70-120			L
Pyridine	19.5	10.0	ug/L	50.0		39.0	10-75			
<i>Surr: 2,4,6-Tribromophenol (Surr)</i>	63.5		ug/L	100		63.5	5-136			
<i>Surr: 2-Fluorobiphenyl (Surr)</i>	27.1		ug/L	50.0		54.2	9-117			
<i>Surr: 2-Fluorophenol (Surr)</i>	32.7		ug/L	100		32.7	5-60			
<i>Surr: Nitrobenzene-d5 (Surr)</i>	28.9		ug/L	50.0		57.7	5-151			
<i>Surr: Phenol-d5 (Surr)</i>	23.0		ug/L	100		23.0	5-60			
<i>Surr: p-Terphenyl-d14 (Surr)</i>	20.3		ug/L	50.0		40.7	5-141			
Matrix Spike (BJD0653-MS1)				Source: 26D0901-01 Prepared & Analyzed: 04/13/2026						
1,2,4-Trichlorobenzene	20.6	9.52	ug/L	47.6	BLOD	43.2	44-142			M

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Semivolatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0653 - SW3510C/EPA600-MS

Matrix Spike (BJD0653-MS1)		Source: 26D0901-01		Prepared & Analyzed: 04/13/2026						
1,2-Dichlorobenzene	16.4	9.52	ug/L	47.6	BLOD	34.4	22-115			
1,3-Dichlorobenzene	15.0	9.52	ug/L	47.6	BLOD	31.6	22-112			
1,4-Dichlorobenzene	14.4	9.52	ug/L	47.6	BLOD	30.2	13-112			
2,4,6-Trichlorophenol	28.3	9.52	ug/L	47.6	BLOD	59.5	37-144			
2,4-Dichlorophenol	25.0	9.52	ug/L	47.6	BLOD	52.6	39-135			
2,4-Dimethylphenol	25.7	4.76	ug/L	47.6	BLOD	54.0	32-120			
2,4-Dinitrophenol	27.1	47.6	ug/L	47.6	BLOD	57.0	39-139			
2,4-Dinitrotoluene	27.3	9.52	ug/L	47.6	BLOD	57.3	10-191			
2,6-Dinitrotoluene	28.5	9.52	ug/L	47.6	BLOD	59.9	50-158			
2-Chloronaphthalene	25.4	9.52	ug/L	47.6	BLOD	53.3	60-120			M
2-Chlorophenol	24.0	9.52	ug/L	47.6	BLOD	50.4	23-134			
2-Nitrophenol	26.5	9.52	ug/L	47.6	BLOD	55.7	29-182			
3,3'-Dichlorobenzidine	ND	9.52	ug/L	47.6	BLOD		10-262			M
4,6-Dinitro-2-methylphenol	31.1	47.6	ug/L	47.6	BLOD	65.3	10-181			
4-Bromophenyl phenyl ether	26.4	9.52	ug/L	47.6	BLOD	55.4	53-127			
4-Chlorophenyl phenyl ether	27.6	9.52	ug/L	47.6	BLOD	58.0	25-158			
4-Nitrophenol	12.0	47.6	ug/L	47.6	BLOD	25.2	10-132			
Acenaphthene	27.7	9.52	ug/L	47.6	BLOD	58.2	47-145			
Acenaphthylene	25.2	9.52	ug/L	47.6	BLOD	53.0	33-145			
Acetophenone	26.6	19.0	ug/L	47.6	BLOD	55.9	0-200			
Anthracene	27.9	9.52	ug/L	47.6	BLOD	58.6	27-133			
Benzo (a) anthracene	26.7	9.52	ug/L	47.6	BLOD	56.1	33-143			
Benzo (a) pyrene	27.9	9.52	ug/L	47.6	BLOD	58.6	17-163			
Benzo (b) fluoranthene	29.9	9.52	ug/L	47.6	BLOD	62.7	24-159			
Benzo (g,h,i) perylene	27.4	9.52	ug/L	47.6	BLOD	57.5	10-219			

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Semivolatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0653 - SW3510C/EPA600-MS

Matrix Spike (BJD0653-MS1)		Source: 26D0901-01		Prepared & Analyzed: 04/13/2026						
Benzo (k) fluoranthene	27.7	9.52	ug/L	47.6	BLOD	58.2	11-162			
bis (2-Chloroethoxy) methane	29.2	9.52	ug/L	47.6	BLOD	61.4	33-184			
bis (2-Chloroethyl) ether	27.1	9.52	ug/L	47.6	BLOD	57.0	12-158			
2,2'-Oxybis (1-chloropropane)	26.4	9.52	ug/L	47.6	BLOD	55.4	36-166			
bis (2-Ethylhexyl) phthalate	25.2	9.52	ug/L	47.6	BLOD	52.9	10-158			
Butyl benzyl phthalate	28.7	9.52	ug/L	47.6	BLOD	60.3	10-152			
Chrysene	27.4	9.52	ug/L	47.6	BLOD	57.5	17-169			
Dibenz (a,h) anthracene	28.2	9.52	ug/L	47.6	BLOD	59.2	10-227			
Diethyl phthalate	31.5	9.52	ug/L	47.6	BLOD	66.2	10-120			
Dimethyl phthalate	30.0	9.52	ug/L	47.6	BLOD	63.0	10-120			
Di-n-butyl phthalate	28.5	9.52	ug/L	47.6	BLOD	59.9	10-120			
Di-n-octyl phthalate	30.8	9.52	ug/L	47.6	BLOD	64.6	10-146			
Fluoranthene	30.5	9.52	ug/L	47.6	BLOD	64.0	26-137			
Fluorene	25.3	9.52	ug/L	47.6	BLOD	53.1	59-121			M
Hexachlorobenzene	20.5	2.38	ug/L	47.6	BLOD	43.1	10-152			
Hexachlorobutadiene	19.5	9.52	ug/L	47.6	BLOD	41.0	24-120			
Hexachlorocyclopentadiene	20.3	9.52	ug/L	47.6	BLOD	42.6	10-90			
Hexachloroethane	14.3	9.52	ug/L	47.6	BLOD	30.1	40-120			M
Indeno (1,2,3-cd) pyrene	27.1	9.52	ug/L	47.6	BLOD	56.8	10-171			
Isophorone	28.2	9.52	ug/L	47.6	BLOD	59.3	21-196			
Naphthalene	22.2	4.76	ug/L	47.6	BLOD	46.6	21-133			
Nitrobenzene	24.6	9.52	ug/L	47.6	BLOD	51.7	35-180			
n-Nitrosodimethylamine	16.4	9.52	ug/L	47.6	BLOD	34.4	10-85			
n-Nitrosodi-n-propylamine	27.4	9.52	ug/L	47.6	BLOD	57.5	10-230			
n-Nitrosodiphenylamine	25.2	9.52	ug/L	47.6	BLOD	52.9	12-111			

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Semivolatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD0653 - SW3510C/EPA600-MS										
Matrix Spike (BJD0653-MS1)		Source: 26D0901-01		Prepared & Analyzed: 04/13/2026						
p-Chloro-m-cresol	26.6	9.52	ug/L	47.6	BLOD	55.8	10-127			
Pentachlorophenol	30.8	19.0	ug/L	47.6	BLOD	64.6	14-176			
Phenanthrene	33.6	9.52	ug/L	47.6	BLOD	70.5	54-120			
Phenol	10.4	9.52	ug/L	48.1	BLOD	21.5	10-120			
Pyrene	27.7	9.52	ug/L	47.6	BLOD	58.1	52-120			
Pyridine	18.8	9.52	ug/L	47.6	BLOD	39.5	10-110			
<i>Surr: 2,4,6-Tribromophenol (Surr)</i>	59.2		ug/L	95.2		62.1	5-136			
<i>Surr: 2-Fluorobiphenyl (Surr)</i>	25.3		ug/L	47.6		53.2	9-117			
<i>Surr: 2-Fluorophenol (Surr)</i>	31.2		ug/L	95.2		32.8	5-60			
<i>Surr: Nitrobenzene-d5 (Surr)</i>	26.5		ug/L	47.6		55.7	5-151			
<i>Surr: Phenol-d5 (Surr)</i>	19.5		ug/L	95.2		20.4	5-60			
<i>Surr: p-Terphenyl-d14 (Surr)</i>	10.3		ug/L	47.6		21.5	5-141			
Matrix Spike Dup (BJD0653-MSD1)		Source: 26D0901-01		Prepared & Analyzed: 04/13/2026						
1,2,4-Trichlorobenzene	15.0	10.0	ug/L	47.6	BLOD	31.5	44-142	31.4	30	M, P
1,2-Dichlorobenzene	13.5	10.0	ug/L	47.6	BLOD	28.4	22-115	18.9	30	
1,3-Dichlorobenzene	12.1	10.0	ug/L	47.6	BLOD	25.5	22-112	21.2	30	
1,4-Dichlorobenzene	12.3	10.0	ug/L	47.6	BLOD	25.7	13-112	16.0	30	
2,4,6-Trichlorophenol	24.3	10.0	ug/L	47.6	BLOD	51.0	37-144	15.3	30	
2,4-Dichlorophenol	21.7	10.0	ug/L	47.6	BLOD	45.5	39-135	14.5	30	
2,4-Dimethylphenol	22.3	5.00	ug/L	47.6	BLOD	46.9	32-120	14.0	30	
2,4-Dinitrophenol	26.4	50.0	ug/L	47.6	BLOD	55.5	39-139	2.60	30	
2,4-Dinitrotoluene	25.0	10.0	ug/L	47.6	BLOD	52.6	10-191	8.59	30	
2,6-Dinitrotoluene	25.1	10.0	ug/L	47.6	BLOD	52.7	50-158	12.9	30	
2-Chloronaphthalene	19.9	10.0	ug/L	47.6	BLOD	41.8	60-120	24.2	30	M

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Semivolatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD0653 - SW3510C/EPA600-MS										
Matrix Spike Dup (BJD0653-MSD1)		Source: 26D0901-01		Prepared & Analyzed: 04/13/2026						
2-Chlorophenol	19.8	10.0	ug/L	47.6	BLOD	41.5	23-134	19.3	30	
2-Nitrophenol	21.1	10.0	ug/L	47.6	BLOD	44.3	29-182	22.8	30	
3,3'-Dichlorobenzidine	3.01	10.0	ug/L	47.6	BLOD	6.32	10-262		30	M
4,6-Dinitro-2-methylphenol	28.9	50.0	ug/L	47.6	BLOD	60.7	10-181	7.27	30	
4-Bromophenyl phenyl ether	23.4	10.0	ug/L	47.6	BLOD	49.2	53-127	11.8	30	M
4-Chlorophenyl phenyl ether	23.8	10.0	ug/L	47.6	BLOD	50.0	25-158	14.7	30	
4-Nitrophenol	10.9	50.0	ug/L	47.6	BLOD	22.8	10-132	9.90	30	
Acenaphthene	22.3	10.0	ug/L	47.6	BLOD	46.8	47-145	21.7	30	M
Acenaphthylene	21.3	10.0	ug/L	47.6	BLOD	44.7	33-145	17.0	30	
Acetophenone	21.0	20.0	ug/L	47.6	BLOD	44.0	0-200	23.7	30	
Anthracene	25.7	10.0	ug/L	47.6	BLOD	54.0	27-133	8.10	30	
Benzo (a) anthracene	26.3	10.0	ug/L	47.6	BLOD	55.3	33-143	1.40	30	
Benzo (a) pyrene	26.2	10.0	ug/L	47.6	BLOD	54.9	17-163	6.38	30	
Benzo (b) fluoranthene	26.0	10.0	ug/L	47.6	BLOD	54.5	24-159	14.1	30	
Benzo (g,h,i) perylene	26.4	10.0	ug/L	47.6	BLOD	55.5	10-219	3.47	30	
Benzo (k) fluoranthene	27.1	10.0	ug/L	47.6	BLOD	56.9	11-162	2.33	30	
bis (2-Chloroethoxy) methane	24.0	10.0	ug/L	47.6	BLOD	50.4	33-184	19.6	30	
bis (2-Chloroethyl) ether	21.9	10.0	ug/L	47.6	BLOD	46.1	12-158	21.2	30	
2,2'-Oxybis (1-chloropropane)	19.4	10.0	ug/L	47.6	BLOD	40.8	36-166	30.2	30	P
bis (2-Ethylhexyl) phthalate	24.1	10.0	ug/L	47.6	BLOD	50.6	10-158	4.48	30	
Butyl benzyl phthalate	28.9	10.0	ug/L	47.6	BLOD	60.6	10-152	0.529	30	
Chrysene	25.5	10.0	ug/L	47.6	BLOD	53.6	17-169	7.06	30	
Dibenz (a,h) anthracene	26.9	10.0	ug/L	47.6	BLOD	56.4	10-227	4.74	30	
Diethyl phthalate	27.6	10.0	ug/L	47.6	BLOD	57.9	10-120	13.5	30	
Dimethyl phthalate	25.5	10.0	ug/L	47.6	BLOD	53.5	10-120	16.4	30	

Certificate of Analysis

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Semivolatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0653 - SW3510C/EPA600-MS

Matrix Spike Dup (BJD0653-MSD1)		Source: 26D0901-01		Prepared & Analyzed: 04/13/2026						
Di-n-butyl phthalate	26.1	10.0	ug/L	47.6	BLOD	54.8	10-120	8.86	30	
Di-n-octyl phthalate	29.5	10.0	ug/L	47.6	BLOD	61.9	10-146	4.27	30	
Fluoranthene	27.0	10.0	ug/L	47.6	BLOD	56.6	26-137	12.2	30	
Fluorene	21.8	10.0	ug/L	47.6	BLOD	45.7	59-121	14.9	30	M
Hexachlorobenzene	17.2	2.50	ug/L	47.6	BLOD	36.2	10-152	17.4	30	
Hexachlorobutadiene	13.6	10.0	ug/L	47.6	BLOD	28.6	24-120	35.7	30	P
Hexachlorocyclopentadiene	14.1	10.0	ug/L	47.6	BLOD	29.6	10-90	35.8	30	P
Hexachloroethane	12.1	10.0	ug/L	47.6	BLOD	25.4	40-120	16.9	30	M
Indeno (1,2,3-cd) pyrene	26.3	10.0	ug/L	47.6	BLOD	55.3	10-171	2.82	30	
Isophorone	22.7	10.0	ug/L	47.6	BLOD	47.7	21-196	21.8	30	
Naphthalene	16.0	5.00	ug/L	47.6	BLOD	33.6	21-133	32.3	30	P
Nitrobenzene	20.4	10.0	ug/L	47.6	BLOD	42.9	35-180	18.6	30	
n-Nitrosodimethylamine	15.4	10.0	ug/L	47.6	BLOD	32.3	10-85	6.30	30	
n-Nitrosodi-n-propylamine	21.9	10.0	ug/L	47.6	BLOD	46.1	10-230	22.1	30	
n-Nitrosodiphenylamine	23.2	10.0	ug/L	47.6	BLOD	48.8	12-111	7.98	30	
p-Chloro-m-cresol	24.2	10.0	ug/L	47.6	BLOD	50.8	10-127	9.42	30	
Pentachlorophenol	28.5	20.0	ug/L	47.6	BLOD	59.9	14-176	7.55	30	
Phenanthrene	31.3	10.0	ug/L	47.6	BLOD	65.8	54-120	6.87	30	
Phenol	8.45	10.0	ug/L	48.1	BLOD	17.6	10-120	20.4	30	
Pyrene	30.2	10.0	ug/L	47.6	BLOD	63.4	52-120	8.82	30	
Pyridine	20.0	10.0	ug/L	47.6	BLOD	42.0	10-110	5.99	30	
Surr: 2,4,6-Tribromophenol (Surr)	53.4		ug/L	95.2		56.1	5-136			
Surr: 2-Fluorobiphenyl (Surr)	20.3		ug/L	47.6		42.6	9-117			
Surr: 2-Fluorophenol (Surr)	24.4		ug/L	95.2		25.6	5-60			

Certificate of Analysis

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Semivolatile Organic Compounds by GCMS - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0653 - SW3510C/EPA600-MS

Matrix Spike Dup (BJD0653-MSD1) **Source: 26D0901-01** Prepared & Analyzed: 04/13/2026

<i>Surr: Nitrobenzene-d5 (Surr)</i>	21.5		ug/L	47.6		45.1	5-151			
<i>Surr: Phenol-d5 (Surr)</i>	16.7		ug/L	95.2		17.5	5-60			
<i>Surr: p-Terphenyl-d14 (Surr)</i>	10.9		ug/L	47.6		22.9	5-141			

Certificate of Analysis

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Ion Chromatography Analyses - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0757 - No Prep IC

Blank (BJD0757-BLK1)

Prepared & Analyzed: 04/14/2026

Acetic Acid	ND	0.5	mg/L
Butyric Acid	ND	0.5	mg/L
Lactic Acid	ND	0.5	mg/L
Propionic Acid	ND	0.5	mg/L
Pyruvic Acid	ND	0.5	mg/L

LCS (BJD0757-BS1)

Prepared & Analyzed: 04/14/2026

Acetic Acid	6.0		mg/L	5.00	119	70-130
Butyric Acid	5.5		mg/L	5.00	109	70-130
Formic Acid	5.1		mg/L	4.98	103	70-130
n-Hexanoic Acid	4.9		mg/L	5.00	97.1	70-130
i-Hexanoic Acid	4.8		mg/L	5.00	96.8	70-130
Lactic Acid	5.7		mg/L	5.00	114	70-130
n-Pentanoic Acid	5.1		mg/L	5.00	103	70-130
i-Pentanoic Acid	5.3		mg/L	5.00	105	70-130
Propionic Acid	5.5		mg/L	5.00	109	70-130
Pyruvic Acid	5.4		mg/L	5.00	108	70-130

Matrix Spike (BJD0757-MS1)

Source: 26D0797-01

Prepared & Analyzed: 04/14/2026

Acetic Acid	10500	500	mg/L	5000	5580	97.4	70-130
Butyric Acid	6680	500	mg/L	5000	1400	106	70-130
Formic Acid	7180	500	mg/L	5000	1680	110	70-130
n-Hexanoic Acid	5870	500	mg/L	5000	274	112	70-130
i-Hexanoic Acid	5400	500	mg/L	5000	BLOD	108	70-130
Lactic Acid	6340	500	mg/L	5000	776	111	70-130
n-Pentanoic Acid	6010	500	mg/L	5000	117	118	70-130

Certificate of Analysis

Client Name: SCS Engineers - Winchester
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Work Order: 26D0797

Ion Chromatography Analyses - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual

Batch BJD0757 - No Prep IC

Matrix Spike (BJD0757-MS1)		Source: 26D0797-01		Prepared & Analyzed: 04/14/2026						
i-Pentanoic Acid	5600	500	mg/L	5000	261	107	70-130			
Propionic Acid	7350	500	mg/L	5000	1960	108	70-130			
Pyruvic Acid	4960	500	mg/L	5000	142	96.3	70-130			
Matrix Spike Dup (BJD0757-MSD1)		Source: 26D0797-01		Prepared & Analyzed: 04/14/2026						
Acetic Acid	10100	500	mg/L	5000	5580	89.8	70-130	3.69	20	
Butyric Acid	6430	500	mg/L	5000	1400	101	70-130	3.88	20	
Formic Acid	6960	500	mg/L	5000	1680	106	70-130	3.14	20	
n-Hexanoic Acid	5850	500	mg/L	5000	274	112	70-130	0.258	20	
i-Hexanoic Acid	5370	500	mg/L	5000	BLOD	107	70-130	0.496	20	
Lactic Acid	6220	500	mg/L	5000	776	109	70-130	1.91	20	
n-Pentanoic Acid	5920	500	mg/L	5000	117	116	70-130	1.54	20	
i-Pentanoic Acid	5430	500	mg/L	5000	261	103	70-130	3.08	20	
Propionic Acid	6870	500	mg/L	5000	1960	98.2	70-130	6.75	20	
Pyruvic Acid	4820	500	mg/L	5000	142	93.6	70-130	2.75	20	

Certificate of Analysis

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Work Order: 26D0797

Wet Chemistry Analysis - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD0497 - No Prep Wet Chem										
Blank (BJD0497-BLK1)				Prepared & Analyzed: 04/09/2026						
Nitrite as N	ND	0.05	mg/L							
LCS (BJD0497-BS1)				Prepared & Analyzed: 04/09/2026						
Nitrite as N	0.10	0.05	mg/L	0.100		95.0	80-120			
Matrix Spike (BJD0497-MS1)				Source: 26D0520-02		Prepared & Analyzed: 04/09/2026				
Nitrite as N	0.18	0.05	mg/L	0.100	0.10	83.0	80-120			
Matrix Spike Dup (BJD0497-MSD1)				Source: 26D0520-02		Prepared & Analyzed: 04/09/2026				
Nitrite as N	0.18	0.05	mg/L	0.100	0.10	82.0	80-120	0.554	20	
Batch BJD0500 - No Prep Wet Chem										
Blank (BJD0500-BLK1)				Prepared & Analyzed: 04/09/2026						
BOD	ND	2.0	mg/L							
LCS (BJD0500-BS1)				Prepared & Analyzed: 04/09/2026						
BOD	209		mg/L	198		105	84.6-115.4			
Duplicate (BJD0500-DUP1)				Source: 26D0721-01		Prepared & Analyzed: 04/09/2026				
BOD	2.9	2.0	mg/L		2.8			2.43	20	
Batch BJD0949 - No Prep Wet Chem										
Blank (BJD0949-BLK1)				Prepared & Analyzed: 04/17/2026						
COD	ND	10.0	mg/L							

Certificate of Analysis

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Work Order: 26D0797

Wet Chemistry Analysis - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD0949 - No Prep Wet Chem										
LCS (BJD0949-BS1)				Prepared & Analyzed: 04/17/2026						
COD	46.6	10.0	mg/L	50.0		93.2	88-119			
Matrix Spike (BJD0949-MS1)				Source: 26D1442-01		Prepared & Analyzed: 04/17/2026				
COD	53.4	10.0	mg/L	50.0	BLOD	107	72.4-130			
Matrix Spike Dup (BJD0949-MSD1)				Source: 26D1442-01		Prepared & Analyzed: 04/17/2026				
COD	54.1	10.0	mg/L	50.0	BLOD	108	72.4-130	1.21	20	
Batch BJD1076 - No Prep Wet Chem										
Blank (BJD1076-BLK1)				Prepared & Analyzed: 04/20/2026						
Ammonia as N	ND	0.10	mg/L							
LCS (BJD1076-BS1)				Prepared & Analyzed: 04/20/2026						
Ammonia as N	1.02		mg/L	1.00		102	90-110			
Matrix Spike (BJD1076-MS1)				Source: 26D0901-01		Prepared & Analyzed: 04/20/2026				
Ammonia as N	51.0	3.00	mg/L	30.0	20.1	103	90-110			
Matrix Spike Dup (BJD1076-MSD1)				Source: 26D0901-01		Prepared & Analyzed: 04/20/2026				
Ammonia as N	56.7	3.00	mg/L	30.0	20.1	122	90-110	10.6	20	M
Batch BJD1105 - No Prep Wet Chem										
Blank (BJD1105-BLK1)				Prepared & Analyzed: 04/20/2026						
Nitrate+Nitrite as N	ND	0.10	mg/L							

Certificate of Analysis

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Wet Chemistry Analysis - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD1105 - No Prep Wet Chem										
LCS (BJD1105-BS1)				Prepared & Analyzed: 04/20/2026						
Nitrate+Nitrite as N	1.03		mg/L	1.00		103	90-110			
Matrix Spike (BJD1105-MS1)				Source: 26D0750-02 Prepared & Analyzed: 04/20/2026						
Nitrate+Nitrite as N	1.21	0.10	mg/L	1.00	0.16	106	90-120			
Matrix Spike Dup (BJD1105-MSD1)				Source: 26D0750-02 Prepared & Analyzed: 04/20/2026						
Nitrate+Nitrite as N	1.25	0.10	mg/L	1.00	0.16	109	90-120	3.01	20	
Batch BJD1147 - No Prep Wet Chem										
Blank (BJD1147-BLK1)				Prepared: 04/21/2026 Analyzed: 04/22/2026						
TKN as N	ND	0.50	mg/L							
LCS (BJD1147-BS1)				Prepared: 04/21/2026 Analyzed: 04/22/2026						
TKN as N	4.88		mg/L	5.00		97.7	90-110			
Matrix Spike (BJD1147-MS1)				Source: 26D0805-01 Prepared: 04/21/2026 Analyzed: 04/22/2026						
TKN as N	11.1	0.50	mg/L	10.0	BLOD	111	90-110			M
Matrix Spike (BJD1147-MS2)				Source: 26D0891-01 Prepared: 04/21/2026 Analyzed: 04/22/2026						
TKN as N	88.5	0.50	mg/L	25.0	61.5	108	90-110			M
Matrix Spike Dup (BJD1147-MSD1)				Source: 26D0805-01 Prepared: 04/21/2026 Analyzed: 04/22/2026						
TKN as N	10.9	0.50	mg/L	10.0	BLOD	109	90-110	1.86	20	
Matrix Spike Dup (BJD1147-MSD2)				Source: 26D0891-01 Prepared: 04/21/2026 Analyzed: 04/22/2026						
TKN as N	87.4	0.50	mg/L	25.0	61.5	104	90-110	1.26	20	M

Certificate of Analysis

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Wet Chemistry Analysis - Quality Control

Onterris Laboratories - Richmond

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BJD1287 - No Prep Wet Chem										
Blank (BJD1287-BLK1)				Prepared & Analyzed: 04/22/2026						
Total Recoverable Phenolics	ND	0.050	mg/L							
LCS (BJD1287-BS1)				Prepared & Analyzed: 04/22/2026						
Total Recoverable Phenolics	0.50	0.050	mg/L	0.500		100	80-120			
Matrix Spike (BJD1287-MS1)				Prepared & Analyzed: 04/22/2026						
Total Recoverable Phenolics	0.48	0.050	mg/L	0.500	0.05	87.2	70-130			
Matrix Spike Dup (BJD1287-MSD1)				Prepared & Analyzed: 04/22/2026						
Total Recoverable Phenolics	0.54	0.050	mg/L	0.500	0.05	98.0	70-130	10.6	20	

Certificate of Analysis

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Analytical Summary

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			Preparation Method: EPA245.1R3.0/SW7470A		
26D0797-01	1.00 mL / 23.0 mL	SW7470A	BJD0780	SJD0639	AD60274
26D0797-02	0.500 mL / 23.0 mL	SW7470A	BJD0780	SJD0639	AD60274
26D0797-03	1.00 mL / 20.0 mL	SW7470A	BJD0780	SJD0639	AD60274
Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Ion Chromatography Analyses			Preparation Method: No Prep IC		
26D0797-01	1.00 mL / 1.00 mL	D3705	BJD0757	SJD0645	AD60214
26D0797-02	1.00 mL / 1.00 mL	D3705	BJD0757	SJD0645	AD60214
26D0797-02RE1	1.00 mL / 1.00 mL	D3705	BJD0757	SJD0840	AD60214
26D0797-03	1.00 mL / 1.00 mL	D3705	BJD0757	SJD0645	AD60214
Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			Preparation Method: No Prep Wet Chem		
26D0797-01	2.50 mL / 25.0 mL	SM4500-NO2B-2021	BJD0497	SJD0390	AJ50388
26D0797-02	0.250 mL / 25.0 mL	SM4500-NO2B-2021	BJD0497	SJD0390	AJ50388
26D0797-02RE1	0.100 mL / 25.0 mL	SM4500-NO2B-2021	BJD0497	SJD0390	AJ50388
26D0797-03	1.00 mL / 25.0 mL	SM4500-NO2B-2021	BJD0497	SJD0390	AJ50388
26D0797-01	300 mL / 300 mL	SM5210B-2016	BJD0500	SJD0438	
26D0797-02	300 mL / 300 mL	SM5210B-2016	BJD0500	SJD0438	
26D0797-03	300 mL / 300 mL	SM5210B-2016	BJD0500	SJD0438	
26D0797-01	2.00 mL / 2.00 mL	SM5220D-2011	BJD0949	SJD0757	AC60375
26D0797-02	2.00 mL / 2.00 mL	SM5220D-2011	BJD0949	SJD0757	AC60375
26D0797-03	2.00 mL / 2.00 mL	SM5220D-2011	BJD0949	SJD0757	AC60375
26D0797-01	6.00 mL / 6.00 mL	EPA350.1 R2.0	BJD1076	SJD0854	AD60305

Certificate of Analysis

Client Name: SCS Engineers - Winchester
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Work Order: 26D0797

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			Preparation Method: No Prep Wet Chem		
26D0797-02	6.00 mL / 6.00 mL	EPA350.1 R2.0	BJD1076	SJD0854	AD60305
26D0797-02RE1	6.00 mL / 6.00 mL	EPA350.1 R2.0	BJD1076	SJD0854	AD60305
26D0797-02RE2	6.00 mL / 6.00 mL	EPA350.1 R2.0	BJD1076	SJD0854	AD60305
26D0797-03	6.00 mL / 6.00 mL	EPA350.1 R2.0	BJD1076	SJD0854	AD60305
26D0797-01	5.00 mL / 5.00 mL	SM4500-NO3F-2019	BJD1105	SJD0849	AC60334
26D0797-02	5.00 mL / 5.00 mL	SM4500-NO3F-2019	BJD1105	SJD0849	AC60334
26D0797-03	5.00 mL / 5.00 mL	SM4500-NO3F-2019	BJD1105	SJD0849	AC60334
26D0797-01	0.125 mL / 25.0 mL	EPA351.2 R2.0	BJD1147	SJD1016	AD60331
26D0797-01RE1	0.125 mL / 25.0 mL	EPA351.2 R2.0	BJD1147	SJD1016	AD60331
26D0797-02	0.125 mL / 25.0 mL	EPA351.2 R2.0	BJD1147	SJD1016	AD60331
26D0797-03	0.125 mL / 25.0 mL	EPA351.2 R2.0	BJD1147	SJD1016	AD60331
26D0797-01	5.00 mL / 10.0 mL	SW9065	BJD1287	SJD1014	AD60330
26D0797-02	5.00 mL / 10.0 mL	SW9065	BJD1287	SJD1014	AD60330
26D0797-03	5.00 mL / 10.0 mL	SW9065	BJD1287	SJD1014	AD60330

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			Preparation Method: SW3005A-ICP		
26D0797-01	50.0 mL / 50.0 mL	SW6010D	BJD0578	SJD0547	AD60252
26D0797-03	50.0 mL / 50.0 mL	SW6010D	BJD0578	SJD0547	AD60252
26D0797-02	5.00 mL / 50.0 mL	SW6010D	BJD0738	SJD0622	AD60271

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Semivolatile Organic Compounds by GCMS			Preparation Method: SW3510C/EPA600-MS		
26D0797-01	500 mL / 1.00 mL	SW8270E	BJD0653	SJD0597	AB60302
26D0797-02	250 mL / 200 mL	SW8270E	BJD0653	SJD0630	AB60302
26D0797-03	500 mL / 1.00 mL	SW8270E	BJD0653	SJD0597	AB60302

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			Preparation Method: SW5030B-MS		
26D0797-04	5.00 mL / 5.00 mL	SW8260D	BJD0586	SJD0514	AC60194
26D0797-01	5.00 mL / 5.00 mL	SW8260D	BJD0724	SJD0608	AD60204
26D0797-02	5.00 mL / 5.00 mL	SW8260D	BJD0724	SJD0608	AD60204
26D0797-03	5.00 mL / 5.00 mL	SW8260D	BJD0724	SJD0608	AD60204
26D0797-02RE1	5.00 mL / 5.00 mL	SW8260D	BJD1017	SJD0922	AD60291
26D0797-01RE1	5.00 mL / 5.00 mL	SW8260D	BJD1342	SJD1066	AD60268

Certificate of Analysis

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Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

QC Analytical Summary

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			Preparation Method:	EPA245.1R3.0/SW7470A	
BJD0780-BLK1	20.0 mL / 23.0 mL	SW7470A	BJD0780	SJD0639	AD60274
BJD0780-BS1	20.0 mL / 23.0 mL	SW7470A	BJD0780	SJD0639	AD60274
BJD0780-MS1	20.0 mL / 20.0 mL	SW7470A	BJD0780	SJD0639	AD60274
BJD0780-MS2	20.0 mL / 20.0 mL	SW7470A	BJD0780	SJD0639	AD60274
BJD0780-MSD1	20.0 mL / 20.0 mL	SW7470A	BJD0780	SJD0639	AD60274
BJD0780-MSD2	20.0 mL / 20.0 mL	SW7470A	BJD0780	SJD0639	AD60274

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Ion Chromatography Analyses			Preparation Method:	No Prep IC	
BJD0757-BLK1	1.00 mL / 1.00 mL	D3705	BJD0757	SJD0645	AD60214
BJD0757-BS1	1.00 mL / 1.00 mL	D3705	BJD0757	SJD0645	AD60214
BJD0757-MRL1	1.00 mL / 1.00 mL	D3705	BJD0757	SJD0645	AD60214
BJD0757-MS1	0.00500 mL / 5.00 mL	D3705	BJD0757	SJD0645	AD60214
BJD0757-MSD1	0.00500 mL / 5.00 mL	D3705	BJD0757	SJD0645	AD60214

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			Preparation Method:	No Prep Wet Chem	
BJD0497-BLK1	25.0 mL / 25.0 mL	SM4500-NO2B-2021	BJD0497	SJD0390	AJ50388
BJD0497-BS1	25.0 mL / 25.0 mL	SM4500-NO2B-2021	BJD0497	SJD0390	AJ50388
BJD0497-MS1	25.0 mL / 25.0 mL	SM4500-NO2B-2021	BJD0497	SJD0390	AJ50388
BJD0497-MSD1	25.0 mL / 25.0 mL	SM4500-NO2B-2021	BJD0497	SJD0390	AJ50388
BJD0500-BLK1	300 mL / 300 mL	SM5210B-2016	BJD0500	SJD0438	
BJD0500-BS1	300 mL / 300 mL	SM5210B-2016	BJD0500	SJD0438	
BJD0500-DUP1	300 mL / 300 mL	SM5210B-2016	BJD0500	SJD0438	

Certificate of Analysis

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			Preparation Method:	No Prep Wet Chem	
BJD0949-BLK1	2.00 mL / 2.00 mL	SM5220D-2011	BJD0949	SJD0757	AC60375
BJD0949-BS1	2.00 mL / 2.00 mL	SM5220D-2011	BJD0949	SJD0757	AC60375
BJD0949-MRL1	2.00 mL / 2.00 mL	SM5220D-2011	BJD0949	SJD0757	AC60375
BJD0949-MS1	2.00 mL / 2.00 mL	SM5220D-2011	BJD0949	SJD0757	AC60375
BJD0949-MSD1	2.00 mL / 2.00 mL	SM5220D-2011	BJD0949	SJD0757	AC60375
BJD1076-BLK1	6.00 mL / 6.00 mL	EPA350.1 R2.0	BJD1076	SJD0854	AD60305
BJD1076-BS1	6.00 mL / 6.00 mL	EPA350.1 R2.0	BJD1076	SJD0854	AD60305
BJD1076-MRL1	6.00 mL / 6.00 mL	EPA350.1 R2.0	BJD1076	SJD0854	AD60305
BJD1076-MS1	0.200 mL / 6.00 mL	EPA350.1 R2.0	BJD1076	SJD0854	AD60305
BJD1076-MSD1	0.200 mL / 6.00 mL	EPA350.1 R2.0	BJD1076	SJD0854	AD60305
BJD1105-BLK1	5.00 mL / 5.00 mL	SM4500-NO3F-2019	BJD1105	SJD0849	AC60334
BJD1105-BS1	5.00 mL / 5.00 mL	SM4500-NO3F-2019	BJD1105	SJD0849	AC60334
BJD1105-MS1	10.0 mL / 10.0 mL	SM4500-NO3F-2019	BJD1105	SJD0849	AC60334
BJD1105-MSD1	10.0 mL / 10.0 mL	SM4500-NO3F-2019	BJD1105	SJD0849	AC60334
BJD1147-BLK1	25.0 mL / 25.0 mL	EPA351.2 R2.0	BJD1147	SJD1016	AD60331
BJD1147-BS1	25.0 mL / 25.0 mL	EPA351.2 R2.0	BJD1147	SJD1016	AD60331
BJD1147-MS1	12.5 mL / 25.0 mL	EPA351.2 R2.0	BJD1147	SJD1016	AD60331
BJD1147-MS2	5.00 mL / 25.0 mL	EPA351.2 R2.0	BJD1147	SJD1016	AD60331
BJD1147-MSD1	12.5 mL / 25.0 mL	EPA351.2 R2.0	BJD1147	SJD1016	AD60331
BJD1147-MSD2	5.00 mL / 25.0 mL	EPA351.2 R2.0	BJD1147	SJD1016	AD60331
BJD1287-BLK1	5.00 mL / 10.0 mL	SW9065	BJD1287	SJD1014	AD60330
BJD1287-BS1	5.00 mL / 10.0 mL	SW9065	BJD1287	SJD1014	AD60330
BJD1287-MRL1	5.00 mL / 10.0 mL	SW9065	BJD1287	SJD1014	AD60330
BJD1287-MS1	5.00 mL / 10.0 mL	SW9065	BJD1287	SJD1014	AD60330
BJD1287-MSD1	5.00 mL / 10.0 mL	SW9065	BJD1287	SJD1014	AD60330

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			Preparation Method:	SW3005A-ICP	

Certificate of Analysis

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			Preparation Method: SW3005A-ICP		
BJD0578-BLK1	50.0 mL / 50.0 mL	SW6010D	BJD0578	SJD0547	AD60252
BJD0578-BS1	50.0 mL / 50.0 mL	SW6010D	BJD0578	SJD0547	AD60252
BJD0578-MS1	50.0 mL / 50.0 mL	SW6010D	BJD0578	SJD0547	AD60252
BJD0578-MS2		SW6010D	BJD0578	SJD0547	AD60252
BJD0578-MS2	50.0 mL / 50.0 mL	SW6010D	BJD0578	SJD0547	AD60252
BJD0578-MS3		SW6010D	BJD0578	SJD0547	AD60252
BJD0578-MSD1	50.0 mL / 50.0 mL	SW6010D	BJD0578	SJD0547	AD60252
BJD0578-MSD2		SW6010D	BJD0578	SJD0547	AD60252
BJD0578-MSD2	50.0 mL / 50.0 mL	SW6010D	BJD0578	SJD0547	AD60252
BJD0578-MSD3		SW6010D	BJD0578	SJD0547	AD60252
BJD0738-BLK1	50.0 mL / 50.0 mL	SW6010D	BJD0738	SJD0622	AD60271
BJD0738-BS1	50.0 mL / 50.0 mL	SW6010D	BJD0738	SJD0622	AD60271
BJD0738-MS1	50.0 mL / 50.0 mL	SW6010D	BJD0738	SJD0622	AD60271
BJD0738-MSD1	50.0 mL / 50.0 mL	SW6010D	BJD0738	SJD0622	AD60271

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Semivolatile Organic Compounds by GCMS			Preparation Method: SW3510C/EPA600-MS		
BJD0653-BLK1	1000 mL / 1.00 mL	SW8270E	BJD0653	SJD0587	AD60225
BJD0653-BS1	1000 mL / 1.00 mL	SW8270E	BJD0653	SJD0587	AD60225
BJD0653-MS1	1050 mL / 1.00 mL	SW8270E	BJD0653	SJD0587	AD60225
BJD0653-MSD1	1050 mL / 1.00 mL	SW8270E	BJD0653	SJD0587	AD60225

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			Preparation Method: SW5030B-MS		
BJD0586-BLK1	5.00 mL / 5.00 mL	SW8260D	BJD0586	SJD0514	AC60194
BJD0586-BS1	5.00 mL / 5.00 mL	SW8260D	BJD0586	SJD0514	AC60194
BJD0586-MS1	5.00 mL / 5.00 mL	SW8260D	BJD0586	SJD0514	AC60194

Certificate of Analysis

Client Name: SCS Engineers - Winchester
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Date Issued: 4/24/2026 4:06:21PM

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			Preparation Method:	SW5030B-MS	
BJD0586-MSD1	5.00 mL / 5.00 mL	SW8260D	BJD0586	SJD0514	AC60194
BJD0724-BLK1	5.00 mL / 5.00 mL	SW8260D	BJD0724	SJD0608	AD60204
BJD0724-BLK2	5.00 mL / 5.00 mL	SW8260D	BJD0724	SJD0608	AD60204
BJD0724-BS1	5.00 mL / 5.00 mL	SW8260D	BJD0724	SJD0608	AD60204
BJD0724-BS2	5.00 mL / 5.00 mL	SW8260D	BJD0724	SJD0608	AD60204
BJD0724-DUP1	5.00 mL / 5.00 mL	SW8260D	BJD0724	SJD0608	AD60204
BJD0724-MS1	5.00 mL / 5.00 mL	SW8260D	BJD0724	SJD0608	AD60204
BJD1017-BLK1	5.00 mL / 5.00 mL	SW8260D	BJD1017	SJD0922	AD60291
BJD1017-BS1	5.00 mL / 5.00 mL	SW8260D	BJD1017	SJD0921	AD60291
BJD1017-DUP1	5.00 mL / 5.00 mL	SW8260D	BJD1017	SJD0922	AD60291
BJD1017-MS1	5.00 mL / 5.00 mL	SW8260D	BJD1017	SJD0921	AD60291
BJD1342-BLK1	5.00 mL / 5.00 mL	SW8260D	BJD1342	SJD1066	AD60268
BJD1342-BS1	5.00 mL / 5.00 mL	SW8260D	BJD1342	SJD1066	AD60268
BJD1342-MS1	5.00 mL / 5.00 mL	SW8260D	BJD1342	SJD1066	AD60268
BJD1342-MSD1	5.00 mL / 5.00 mL	SW8260D	BJD1342	SJD1066	AD60268

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
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Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA350.1 R2.0 in Non-Potable Water</i>	
Ammonia as N	VELAP,NCDEQ,PADEP,WVDEP,SCDES,TXCEQ
<i>EPA351.2 R2.0 in Non-Potable Water</i>	
TKN as N	VELAP,NCDEQ,WVDEP,SCDES,PADEP,TXCEQ
<i>SM4500-NO2B-2021 in Non-Potable Water</i>	
Nitrite as N	VELAP,WVDEP,NCDEQ,SCDES,PADEP
<i>SM4500-NO3F-2019 in Non-Potable Water</i>	
Nitrate+Nitrite as N	VELAP,WVDEP,NCDEQ,SCDES,PADEP
<i>SM5210B-2016 in Non-Potable Water</i>	
BOD	VELAP,NCDEQ,WVDEP,PADEP
<i>SM5220D-2011 in Non-Potable Water</i>	
COD	VELAP,NCDEQ,PADEP,WVDEP,SCDES,TXCEQ
<i>SW6010D in Non-Potable Water</i>	
Arsenic	VELAP,WVDEP,NCDEQ,SCDES,PADEP
Barium	VELAP,WVDEP,PADEP,NCDEQ,SCDES
Cadmium	VELAP,WVDEP,PADEP,NCDEQ,SCDES
Chromium	VELAP,WVDEP,NCDEQ,SCDES,TXCEQ,PADEP
Copper	VELAP,WVDEP,NCDEQ,SCDES,PADEP
Lead	VELAP,WVDEP,SCDES,NCDEQ,PADEP
Nickel	VELAP,WVDEP,SCDES,NCDEQ,PADEP
Selenium	VELAP,WVDEP,SCDES,NCDEQ,PADEP
Silver	VELAP,WVDEP,PADEP,SCDES,NCDEQ
Zinc	VELAP,WVDEP,SCDES,NCDEQ,PADEP
<i>SW7470A in Non-Potable Water</i>	
Mercury	VELAP,NCDEQ,WVDEP,SCDES,PADEP

Certificate of Analysis

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Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Certified Analyses included in this Report

Analyte	Certifications
<i>SW8260D in Non-Potable Water</i>	
2-Butanone (MEK)	NCDEQ,PADEP,VELAP,WVDEP,TXCEQ
Acetone	NCDEQ,PADEP,VELAP,WVDEP,TXCEQ
Benzene	NCDEQ,PADEP,VELAP,WVDEP,TXCEQ
Ethylbenzene	NCDEQ,PADEP,VELAP,WVDEP,TXCEQ
Toluene	NCDEQ,PADEP,VELAP,WVDEP,TXCEQ
Xylenes, Total	NCDEQ,PADEP,VELAP,WVDEP,TXCEQ
Tetrahydrofuran	VELAP
<i>SW8270E in Non-Potable Water</i>	
Anthracene	NCDEQ,VELAP,PADEP,WVDEP,TXCEQ
<i>SW9065 in Non-Potable Water</i>	
Total Recoverable Phenolics	VELAP,WVDEP,PADEP

Certificate of Analysis

Client Name: SCS Engineers - Winchester
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Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Code	Description	Laboratory ID	Expires
DURSC-NCDEQ	NCDEQ Durham Service Center	703	12/31/2026
DURSC-NCDHHS	NCDHHS Durham Service Center	37918	07/31/2026
MdDOE	Maryland DE Drinking Water	341	12/31/2026
NCDEQ	North Carolina DEQ	495	12/31/2026
NCDHHS	North Carolina Department of Health and Human Services	51714	07/31/2026
PADEP	NELAP-Pennsylvania Certificate #011	68-03503	10/31/2026
SCDES	South Carolina Dept of Environmental Services Certificate 93016001	93016	06/14/2026
TXCEQ	Texas Comm on Environmental Quality #TX-C25-00143	T104704576	05/31/2026
VELAP	NELAP-Virginia Certificate	460021	06/14/2026
WVDEP	West Virginia DEP Cert ID: WV-C25-00166	350	11/30/2026

Certificate of Analysis

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Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Qualifiers and Definitions

DS	Surrogate concentration reflects a dilution factor.
E	Estimated concentration, outside calibration range
J	The reported result is an estimated value.
L	LCS recovery is outside of established acceptance limits
M	Matrix spike recovery is outside established acceptance limits
P	Duplicate analysis does not meet the acceptance criteria for precision
pH	The container used to analyze this sample had a pH measurement of greater than 2 s.u.
RPD	Relative Percent Difference
Qual	Qualifiers
-RE	Denotes sample was re-analyzed
LOD	Limit of Detection, same as Method Detection Limit (MDL) as defined by 40 CFR 136 Appendix B
BLOD	Below Limit of Detection, same as Below Method Detection Limit (MDL) as defined by 40 CFR 136 Appendix B
LOQ	Limit of Quantitation
DF	Dilution Factor
DL	Detection Limit, same as MDL as defined by 40 CFR 136 Appendix B
TIC	Tentatively Identified Compounds are compounds that are identified by comparing the analyte mass spectral pattern with the NIST spectral library. A TIC spectral match is reported when the pattern is at least 75% consistent with the published pattern. Compound concentrations are estimated and are calculated using an internal standard response factor of 1.
PCBs, Total	Total PCBs are defined as the sum of detected Aroclors 1016, 1221, 1232, 1248, 1254, 1260, 1262, and 1268.



1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

CHAIN OF CUSTODY

PAGE 1 OF 1

COMPANY NAME: SCS Engineers		INVOICE TO: City of Bristol, VA		PROJECT NAME/Quote #: City of Bristol Landfill #588			
CONTACT: Jennifer Robb		INVOICE CONTACT: Jon Hayes		SITE NAME: LFG-EW Monthly Monitoring			
ADDRESS: 296 Victory Road, Winchester, VA		INVOICE ADDRESS: 2655 Valley Drive, Bristol, VA, 24201		PROJECT NUMBER: 02218208.15 Task 5			
PHONE #: 703-471-6150		INVOICE PHONE #: 276-645-3788		P.O. #:			
EMAIL: jrobb@scsengineers.com		EMAIL: jon.hayes@bristolva.org		Pretreatment Program:			
Is sample for compliance reporting? YES NO		Regulatory State: V A		Is sample from a chlorinated supply? YES NO			
PWS I.D. #:		SAMPLER NAME (PRINT): Logan Nelson/Logan Culhane		SAMPLER SIGNATURE: [Signature]			
Turn Around Time: 10 Day(s)		Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other		COMMENTS			
CLIENT SAMPLE I.D.		ANALYSIS / (PRESERVATIVE)		Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol			
Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date		
Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	VOCs (Acetone, Benzene, EB, MEK, THF, Toluene, Xylene) Custom List	Mercury (7470)		
				Metals 6010 (Ag, As, Ba, Cd, Cr, Cu, Ni, Pb, Se, Zn)	Phenolics (9065)		
				TKN, Nitrate (Cd), Nitrite (reported separately)	SVOC (Anthracene only)		
				COD, Ammonia	BOD		
				Volatile Fatty Acids			
1) EW-51		X			4/8/26 838	GW 11 X X X X X X X X	
2) EW-55		X			4/8/26 901	GW 11 X X X X X X X X	
3) EW-91		X			4/8/26 914	GW 10 X X X X X X X X	
4)						GW	
5)						GW	
6)						GW	
7)						GW	
8)						GW	
9)						GW	
10) Trip Blank					1/13/26 745	DI 2 X	
RELINQUISHED: [Signature]		DATE / TIME: 4/8/26/152		RECEIVED: [Signature]		DATE / TIME: 4/19/26 0800	
RELINQUISHED: [Signature]		DATE / TIME: 4/19/26		RECEIVED: [Signature]		DATE / TIME: 4/19/26	
RELINQUISHED: [Signature]		DATE / TIME: 4/19/26		RECEIVED: [Signature]		DATE / TIME: 4/19/26	
QC Data Package		LAB USE ONLY		Therm ID: 393		COOLER TEMP °C	
Level III ☐		Custody Seals used and intact? (Y/N)		Observed Temp °C: 0.0		Received on ice? (Y/N)	
Level IV ☐				Correction Factor °C: 0.0			
				Final Temperature °C: 0.0			
				Ice? (Y/N) Seal? (Y/N)			
SCS-W		26D0797		Bristol LFG-EW Monthly Monitor			
Recd: 04/09/2026		Due: 04/23/2026					



Sample Preservation Log

Sample Preservation Log
Form #: F1301
Rev # 15.0
Effective: July 13, 2023
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Order ID 2600797

Date Performed: 4-9-26

Analyst Performing Check: RCT

Sample ID	Container ID	Metals		Cyanide		Sulfide		Ammonia		TKN		Phos, Tot		NO3+NO2		DRO		Pesticide (8081/808/508) PCB DW only			SVOC (525/8270/625)			CrVI * **		Pest/PCB (508) / SVOC(525)		LOD		Phenolics	
		pH as Received		pH as Received		pH as Received		pH as Received		pH as Received		pH as Received		pH as Received		pH as Received		Received Res. Cl	final or -	Res. Cl	final or -	Received pH	Final pH	Received pH	Final pH	Received pH	Final pH	Received pH	Final pH	Received pH	Final pH
		<2	Other	>12	Other	>9	Other	<2	Other	<2	Other	<2	Other	<2	Other	<2	Other														
01	A	7	CL																												
01	D							7	CL	7	CL																7	CL			
01	F																												7	CL	
01	G																														
01	L							7	CL	7	CL																7	CL			
02	A	7	CL																												
02	D							7	CL	7	CL																7	CL			
02	F																												7	CL	
02	G																														
02	L							7	CL	7	CL																7	CL			
03	A	7	CL																												
03	D							7	CL	7	CL																7	CL			
03	F																												7	CL	
03	G																														

NaOH ID: _____

HNO₃ ID: 6C04782

CrVI preserved date/time: _____

Analyst Initials: _____

H₂SO₄ ID: 6C03365

Na₂S₂O₃ ID: _____

* pH must be adjusted between 9.3 - 9.7

Ammonia Buffer Sol'n ID: _____

HCL ID: _____

Na₂SO₃ ID: _____

5N NaOH ID: _____

Metals were received with pH = 7
HNO₃ was added at 1045 on 9 April
2026 by PLW in the Log-In room to bring
pH = <2.

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Laboratory Order ID: 26D0797

Sample Conditions Checklist

Samples Received at:	0.00°C
How were samples received?	Logistics Courier
Were Custody Seals used?	Yes
Are the custody papers filled out completely and correctly?	Yes
Do all bottle labels agree with custody papers?	Yes
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	Yes
Are all samples within holding time for requested laboratory tests?	Yes
Is a sufficient amount of sample provided to perform the tests included?	Yes
Are all samples in appropriate containers for the analyses requested?	Yes
Were volatile organic containers received?	Yes
Are all volatile organic and TOX containers free of headspace?	Yes
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	Yes
Are all samples received appropriately preserved? Metals (except Hg, B) do not require field preservation, but lab preservation may delay analysis. Field parameters performed by the lab are always received past holding time and will be noted as such.	Yes

Work Order Comments

Jennifer Robb notified via email for the samples were preserved in the lab to the appropriate pH for analysis. The metals containers were preserved in the lab which is considered a deviation for Hg analysis. HEG 4/9/26 1208

Certificate of Analysis

Client Name: SCS Engineers - Winchester
Client Site I.D.: Bristol LFG-EW Monthly Monitoring
Submitted To: Jennifer Robb

Date Issued: 4/24/2026 4:06:21PM

Work Order: 26D0797

Historical LFG-EW Leachate Monitoring Results Summary

Well ID	EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ			
Parameter	Monitoring Event	Concentration																												
Ammonia as N (mg/L)	November-2022	---	---	---	---	---	---	---	---	1560	---	1400	---	---	1380	---	---	---	---	---	---	---	---	---	---	---	50	50		
	December-2022	---	1700	---	2280	---	---	---	2110	---	1410	1310	---	---	---	1150	1780	---	---	---	---	---	---	---	---	---	100	100		
	January-2023	---	1520	---	---	---	---	---	---	936	---	---	---	---	---	1330	---	---	---	---	---	---	---	---	---	---	50	50		
	February-2023	---	---	---	---	---	---	---	---	---	2440	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	100		
	March-2023	---	---	---	---	---	---	---	---	667	1480	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	73.1	100		
	April-2023	---	---	---	---	---	---	---	---	1410	---	1220	---	---	---	---	---	---	---	---	---	---	---	---	---	---	73.1	100		
	May-2023	---	1390	---	---	---	---	---	---	1860	2380	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200		
	June-2023	---	---	---	---	---	---	---	---	---	2740	---	2370	---	2170	---	---	---	---	---	---	---	---	---	---	---	146	200		
	July-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1180	---	---	---	---	---	---	---	73.1	100		
	August-2023	---	1570	---	---	---	---	---	2260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2350	310	146	200		
	September-2023	---	---	---	---	---	1600	---	1890	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2140	222	146	200		
	October-2023	---	---	---	1250	---	---	---	---	---	---	---	---	---	---	---	---	---	1720	---	---	---	---	---	---	---	73.1	100		
	November-2023	---	---	---	---	1250	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200	
		---	1260	---	2490	1830	---	2070	---	---	---	---	---	---	---	---	---	---	1800	---	---	2590	---	---	---	---	---	146	200	
		---	---	---	---	---	---	---	---	---	---	---	---	1170	---	---	---	---	---	---	---	---	---	---	2080	---	183	250		
	December-2023	---	---	---	---	---	---	---	---	---	2440	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	366	500		
	January-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1540	---	---	---	---	---	---	---	---	73.1	100	
		---	---	---	2900	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200	
	February-2024	---	---	2160	---	---	---	---	---	---	2400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1610	146	200	
	March-2024	---	---	1900	---	2600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1780	---	2380	---	---	---	---	146	200	
	April-2024	---	---	---	2290	---	---	---	---	---	---	---	---	928	---	---	---	2140	1800	---	---	---	---	---	---	---	---	146	200	
	May-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	73.1	100	
	June-2024	---	---	---	---	---	---	---	---	---	2550	---	---	---	---	---	---	---	1620	---	1950	2660	---	---	---	---	---	146	200	
	July-2024	---	---	---	---	---	---	---	---	---	---	1860	---	---	---	---	---	---	1990	---	2170	---	---	---	---	---	---	73.1	100	
	August-2024	---	---	---	---	---	1110	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200	
	September-2024	---	---	---	---	---	1440	---	---	---	---	---	---	---	---	---	---	---	---	---	2130	---	---	---	---	2550	---	---	73.1	100
		---	---	---	2210	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200	
		October-2024	343	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1490	---	---	---	---	---	---	---	73.1	100
	November-2024	934	1370	---	2180	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200	
	December-2024	---	---	---	1510	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1560	146	200	
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.68	---	---	---	---	---	0.005	0.01	
	February-2025	---	1300	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1400	---	---	---	---	---	---	73.1	100	
March-2025	---	1240	---	---	---	---	---	---	---	---	---	1160	---	---	---	---	---	---	---	---	---	---	---	---	---	---	199	199		
April-2025	---	---	---	---	---	---	---	---	---	---	1480	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200		
May-2025	---	---	---	---	---	---	---	---	---	---	2440	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200		
June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2030	2360	---	---	146	200		
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2160	---	---	---	---	---	---	---	---	120	200		
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	120	200		
September-2025	---	1190	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	60	100		
October-2025	---	1200	---	---	---	---	---	---	---	---	1210	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	120	200	
November-2025	---	---	---	---	---	---	---	---	---	1910	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	120	200	
December-2025	---	---	---	---	---	---	---	---	---	---	---	1120	---	---	---	---	---	---	---	---	---	---	---	---	---	---	60	100		
February-2026	---	1350	---	---	---	---	---	---	---	---	---	1650	---	---	---	---	---	---	---	---	---	---	---	---	---	---	60	100		
April-2026	---	---	---	---	---	---	926	---	---	2300	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1620	---	120	200	

Historical LFG-EW Leachate Monitoring Results Summary

Well ID		EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ	
Parameter	Monitoring Event	Concentration																											
Biological Oxygen Demand (mg/L)	November-2022	---	---	---	---	---	---	---	---	---	15700	---	5860	---	---	5140	---	---	---	---	---	---	---	---	---	---	0.2	2	
	December-2022	---	6440	---	12500	---	---	---	---	11400	---	9240	3330	---	---	---	8360	6770	---	---	---	---	---	---	---	---	0.2	2	
	January-2023	---	9920	---	---	---	---	---	---	---	999	28100	---	---	---	---	7060	---	---	---	---	---	---	---	---	---	0.2	2	
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7230	---	---	---	---	---	---	---	---	0.2	2	
	March-2023	---	---	---	---	---	---	---	---	1570	9190	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.2	2	
	April-2023	---	---	---	---	---	---	---	---	8430	---	2860	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.2	2	
	May-2023	---	7350	---	---	---	---	---	---	---	11900	35300	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.2	2	
	June-2023	---	---	---	---	---	---	---	---	---	20000	---	27400	---	23100	---	---	---	---	---	---	---	---	---	---	---	0.2	2	
	July-2023	---	6820	---	---	---	---	---	---	32900	---	---	---	---	---	---	---	---	---	330	---	---	---	---	---	31800	937	0.2	2
	August-2023	---	---	---	---	---	>33045	---	>33225	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	>32805	506	0.2	2	
	September-2023	---	---	---	40185.5	---	---	---	---	---	---	---	---	---	---	---	---	---	659	---	---	---	---	---	---	---	---	0.2	2
	October-2023	---	---	---	---	---	---	34600	---	---	---	---	---	---	---	---	---	---	690	---	---	---	37000	---	---	---	---	0.2	2
	November-2023	---	1910	---	30400	27500	---	32015	---	---	---	29600	---	---	3640	---	---	---	---	480	---	---	32135	---	---	---	21500	0.2	2
	December-2023	---	---	---	>44105	---	---	---	---	---	---	---	---	---	---	---	---	---	13700	681	---	---	---	---	---	---	---	0.2	2
	January-2024	---	---	26000	---	---	---	---	---	---	---	17100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14000	0.2	2
	February-2024	---	---	23200	---	26200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21400	---	34300	---	---	---	0.2	2
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40600	---	---	7680	0.2	2
	April-2024	---	---	---	41142	---	---	---	---	---	---	---	---	---	1210	---	---	---	19600	386	---	---	---	---	---	---	---	0.2	2
	May-2024	---	---	---	---	---	---	---	---	---	25600	---	---	---	---	---	---	---	---	448	---	22200	33400	---	---	---	7750	0.2	2
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	421	---	24400	---	---	---	---	16200	0.2	2
	July-2024	---	---	---	---	---	---	---	---	---	25800	4750	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.2	2
	August-2024	---	---	---	---	---	31000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20800	---	---	---	33400	---	0.2	2
	September-2024	---	---	---	ND	---	36100	---	---	---	---	---	---	---	---	---	---	---	27400	---	---	---	---	---	---	---	---	0.2	2
	October-2024	180	6680	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	36100	---	---	---	---	---	---	0.2	2
	November-2024	4760	7360	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.2	2
	December-2024	---	---	---	42600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20300	---	0.2	2
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22900	---	---	---	---	---	0.2	2
	February-2025	---	4420	---	---	---	---	---	---	---	---	---	---	43418.4	---	---	---	---	---	---	---	16200	---	---	---	---	---	0.2	2
	March-2025	---	3490	---	---	---	---	---	---	---	---	---	20400	---	---	---	---	---	22000	---	---	---	---	---	---	---	---	0.2	2
	April-2025	---	---	---	---	---	---	---	---	---	---	---	33900	---	---	---	---	---	24600	---	---	---	---	---	---	---	---	0.2	2
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42196.44	42316.44	---	---	0.2	2
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	230	---	---	---	---	---	---	---	0.2	2
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12000	---	0.2	2
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	38599.6	---	5650	0.2	2
	September-2025	---	8200	---	---	---	---	---	---	---	---	---	33700	---	---	---	8280	---	---	---	---	---	---	---	---	---	---	0.2	2
	October-2025	---	6540	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.2	2
November-2025	---	---	---	---	---	---	---	---	---	---	24600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.2	2	
December-2025	---	---	---	---	---	---	---	---	---	---	---	---	18800	---	---	---	---	---	---	---	---	---	---	---	---	---	0.2	2	
February-2026	---	1250	---	---	---	---	---	---	---	---	---	---	30900	---	---	---	---	---	---	---	---	---	---	---	---	---	0.2	2	
April-2026	---	---	---	---	---	---	42403.8	---	---	---	27000	---	---	---	---	---	---	---	---	---	---	---	---	---	15800	---	0.2	2	

[illegible]

Historical LFG-EW Leachate Monitoring Results Summary

Well ID		EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Parameter	Monitoring Event	Concentration																												
Chemical Oxygen Demand (mg/L) (continued)	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	630	1000	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6300	10000		
	September-2025	---	9670	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1260	2000	
		---	---	---	---	---	---	---	---	---	---	---	55500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6300	10000	
	October-2025	---	14200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1260	2000	
	November-2025	---	---	---	---	---	---	---	---	---	44900	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3150	5000	
	December-2025	---	---	---	---	---	---	---	---	---	---	---	41800	---	---	---	---	---	---	---	---	---	---	---	---	---	6300	10000		
	February-2026	---	3820	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	630	1000
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6300	10000
	April-2026	---	---	---	---	---	---	---	---	---	---	46900	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3150	5000
		---	---	---	---	---	---	---	87900	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6300	10000

[illegible]

Historical LFG-EW Leachate Monitoring Results Summary

Well ID		EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ			
Parameter	Monitoring Event	Concentration																													
Nitrite as N (mg/L)	December-2022	---	---	---	---	---	---	---	---	---	---	0.12 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.1	0.5			
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	January-2023	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	1.25		
		---	ND	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1		
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.48 J	---	---	---	---	---	---	---	---	0.25	1.25		
		March-2023	---	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5		
	April-2023	---	---	---	---	---	---	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.5	2.5			
	May-2023	---	ND	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5		
	June-2023	---	---	---	---	---	---	---	---	---	2 J	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	1	5		
	July-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.05	0.25	
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	August-2023	---	---	---	---	---	---	---	---	1.2 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	1	5	
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	September-2023	---	---	---	ND	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	0.5	2.5		
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	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	1.25	
		---	0.06 J	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	0.5	2.5	
	November-2023	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.05	0.25
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	December-2023	---	---	---	ND	ND	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	1	5	
		January-2024	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	1	5	
	February-2024	---	---	1.7 J	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5	
	March-2024	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	ND	---	---	---	---	1	5
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25 J	0.25	1.25
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	May-2024	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5	
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.5	2.5	
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	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.5	2.5	
	August-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.5	2.5	
	September-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.5	2.5	
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	October-2024	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.1	0.5	
		---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5	
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		ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	1.25	
	December-2024	---	1.35 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.5	2.5	
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.5	2.5	
	February-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	1.25	
March-2025	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5		
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April-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	10		
May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	1.25		
June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5		
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5	
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.1	0.5		
September-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.13	0.5	
October-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.26	1	
November-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.1	0.1	
December-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.13	0.5	
February-2026	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.13	0.5	
April-2026	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.05	0.2	
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Historical LFG-EW Leachate Monitoring Results Summary

Well ID		EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Parameter	Monitoring Event	Concentration																												
Total Kjeldahl Nitrogen (mg/L)	November-2022	---	---	---	---	---	---	---	---	---	2110	---	1290	---	---	1470	---	---	---	---	---	---	---	---	---	---	20	50		
	December-2022	---	1510	---	3570	---	---	---	1790	---	1830	1490	---	---	---	---	1340	1940	---	---	---	---	---	---	---	---	200	500		
	January-2023	---	1840	---	---	---	---	---	---	881	---	---	---	---	---	1410	---	---	---	---	---	---	---	---	---	---	20	50		
	February-2023	---	---	---	---	---	---	---	---	---	2970	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	100		
	March-2023	---	---	---	---	---	---	---	---	879	1920	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16.8	50		
	April-2023	---	---	---	---	---	---	---	---	1820	---	1510	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16.8	50		
	May-2023	---	1590	---	---	---	---	---	---	1950	2910	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	100		
	June-2023	---	---	---	---	---	---	---	---	---	3080	---	---	---	2750	---	---	---	---	---	---	---	---	---	---	---	100	250		
	July-2023	---	1670	---	---	---	---	---	2960	---	---	---	2650	---	---	---	---	---	---	1670	---	---	---	---	---	2720	285	200	500	
	August-2023	---	---	---	---	---	2240	---	2820	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	279	10	25	
	September-2023	---	---	---	3340	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2680	---	---	---	---	---	2850	---	100	250	
	October-2023	---	---	---	---	---	1050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1320	---	---	---	---	40	100	
	November-2023	---	---	---	---	---	---	2240	---	---	---	---	---	---	---	---	---	---	---	4630	---	---	---	---	---	---	---	100	250	
	December-2023	---	1440	---	3290	2630	---	---	---	---	2530	---	---	1120	---	---	---	---	---	2270	---	---	3170	---	---	---	---	100	250	
	January-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1880	---	---	---	---	---	---	---	---	80	200	
	February-2024	---	---	2450	---	---	---	---	---	---	---	3020	---	---	---	---	---	---	---	1890	---	---	---	---	---	---	---	100	250	
	March-2024	---	---	2540	---	2890	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2470	---	2970	---	---	---	100	250	
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1030	50	125	
	May-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250	
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250	
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	500	
	August-2024	---	---	---	---	---	1980	---	---	---	---	2840	2680	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250	
	September-2024	---	---	---	---	---	2090	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	125	
	October-2024	351	---	---	3320	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250	
	November-2024	1070	1360	---	2850	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	100	
	December-2024	---	---	---	2790	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250	
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1960	---	---	---	---	---	40	100	
	February-2025	---	---	---	---	---	---	---	---	---	---	---	0.948	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0398	0.0995	
	March-2025	---	1190	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1520	---	---	---	---	---	100	250	
	April-2025	---	1230	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	100	
	May-2025	---	---	---	---	---	---	---	---	---	---	---	1920	---	---	---	---	---	2700	---	---	---	---	---	---	---	---	100	250	
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45.9	250	
	July-2025	---	---	---	---	---	---	---	---	---	---	---	2240	---	---	---	---	---	---	---	---	---	---	---	---	---	---	80	200	
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2580	---	2800	---	27.7	151	
	September-2025	---	1660	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	55.3	301	
	October-2025	---	1330	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45.9	250	
	November-2025	---	---	---	---	---	---	---	---	---	---	2280	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45.9	50
	December-2025	---	---	---	---	---	---	---	---	---	---	---	---	1460	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18.4	20
	February-2026	---	1220	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	23	25	
	April-2026	---	---	---	---	---	---	1470	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45.9	50
		---	---	---	---	---	---	---	---	---	2170	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18.4	20	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	36.7	40	

Historical LFG-EW Leachate Monitoring Results Summary

Well ID		EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Parameter	Monitoring Event	Concentration																												
Total Recoverable Phenolics (mg/L)	November-2022	---	---	---	---	---	---	---	---	---	---	---	5.68	---	---	3	---	---	---	---	---	---	---	---	---	---	0.3	0.5		
		---	---	---	---	---	---	---	---	---	---	28.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.75	1.25		
	December-2022	---	---	---	---	---	---	---	---	---	---	---	8.94	---	---	---	---	---	---	---	---	---	---	---	---	---	0.3	0.5		
		---	24.9	---	54.6	---	---	---	---	28.3	---	32	---	---	---	---	---	20.2	36	---	---	---	---	---	---	---	1.5	2.5		
	January-2023	---	27.2	---	---	---	---	---	---	---	---	---	---	---	---	---	20.2	---	---	---	---	---	---	---	---	---	0.75	1.25		
		---	---	---	---	---	---	---	---	---	---	56.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.5	2.5		
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.4	---	---	---	---	---	---	---	---	1.5	2.5	
		---	---	---	---	---	---	---	---	---	0.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.03	0.05		
	March-2023	---	---	---	---	---	---	---	---	---	---	---	13.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.3	0.5	
		---	---	---	---	---	---	---	---	---	18.7	---	5.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.3	0.5	
	April-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.5	2.5	
		---	18.6	---	---	---	---	---	---	---	20	50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.5	2.5	
	May-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.5	2.5	
		---	---	---	---	---	---	---	---	---	---	39.1	---	45.6	---	80.6	---	---	---	---	---	---	---	---	---	---	---	1.5	2.5	
	June-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.15	0.25	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.7	---	---	---	---	---	---	---	0.3	0.5	
	July-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.92	1.5	2.5	
		---	11.6	---	---	---	---	---	---	47.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	37.3	0.15	0.25	
	August-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.5	2.5	
		---	---	---	---	---	28.6	---	31.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40.4	---	0.15	0.25
	September-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4.58	---	---	---	---	---	---	---	0.3	0.5	
		---	---	---	38.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	5	
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4.13	---	---	---	---	---	---	---	0.15	0.25	
		---	---	---	---	---	---	37	---	---	---	---	---	---	---	---	---	---	---	---	---	---	38.7	---	---	---	---	0.6	1	
	November-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.65	---	---	---	---	---	---	---	0.15	0.25	
		---	7.88	---	---	36.4	---	---	---	---	---	---	---	4.76	---	---	---	---	---	---	---	---	---	---	---	---	---	0.6	1	
	December-2023	---	---	---	38.8	---	---	47.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	47.1	---	---	---	---	0.75	1.25	
		---	---	---	---	---	---	---	---	---	---	46.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	29.1	1.5	2.5	
	January-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.06	0.1	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.72	---	---	---	---	---	---	---	0.75	1.25
	February-2024	---	---	---	34.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.5	2.5	
		---	---	38	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.7	1.5	2.5	
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	5	
		---	---	37.3	---	42.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50.2	---	43.1	---	---	---	1.5	2.5
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	5	
		---	---	---	---	---	---	---	---	---	---	---	---	1.68	---	---	---	---	---	---	---	---	---	---	---	---	---	0.3	0.5	
	May-2024	---	---	---	38.4	---	---	---	---	---	---	---	---	---	---	---	---	---	28.6	---	---	---	---	---	---	---	---	---	1.5	2.5
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.3	0.5	
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.5	2.5	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	5	
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.3	0.5	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.5	2.5	
	August-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	5	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	5	
	September-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.03	0.05
		0.376	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.03	0.05
	October-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.3	0.5
		---	8.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.5	2.5
November-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	5	
	---	---	---	37.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.3	0.5	
December-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.3	0.5	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.5	2.5	
January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.5	2.5	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	5	
February-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				

[illegible]

Historical LFG-EW Leachate Monitoring Results Summary

Well ID		EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ	
Parameter	Monitoring Event	Concentration																											
Anthracene (continued)	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	200	400	
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	100	200	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	400	800
	September-2025	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	200
		---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	400	800
	October-2025	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	200	400
	November-2025	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	400
	December-2025	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	400
	February-2026	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	200
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	400	800
	April-2026	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	200	400
		---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	400000	800000

Historical LFG-EW Leachate Monitoring Results Summary

Well ID		EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ	
Parameter	Monitoring Event	Concentration																											
TOTAL METALS (mg/L)																													
Arsenic	November-2022	---	---	---	---	---	---	---	---	---	0.863	---	0.464	---	---	1.3	---	---	---	---	---	---	---	---	---	---	0.02	0.04	
	December-2022	---	1.02	---	0.406	---	---	---	0.174	---	1.69	0.49	---	---	---	---	0.159	0.574	---	---	---	---	---	---	---	---	0.02	0.04	
	January-2023	---	0.285	---	---	---	---	---	---	0.596	0.225	---	---	---	---	0.846	---	---	---	---	---	---	---	---	---	---	0.01	0.02	
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.29	---	---	---	---	---	---	---	---	0.005	0.01	
	March-2023	---	---	---	---	---	---	---	---	1.07	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.02	
	April-2023	---	---	---	---	---	---	---	---	---	---	0.11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0005	0.001	
	May-2023	---	0.26	---	---	---	---	---	---	0.36	0.27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.01	
	June-2023	---	---	---	---	---	---	---	---	---	0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0025	0.005	
	July-2023	---	0.23	---	---	---	---	---	---	---	0.26	---	0.5	---	0.14	---	---	---	---	---	---	---	---	---	---	---	0.0025	0.005	
	August-2023	---	---	---	---	---	---	---	---	0.7	---	---	---	---	---	---	---	---	---	0.24	---	---	---	---	---	0.19	0.06	0.0005	0.001
	September-2023	---	---	---	---	---	0.32	---	0.43	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.15	0.0025	0.005	
	October-2023	---	---	---	0.42	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	---	---	---	---	---	0.29	---	0.005	0.01
	November-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.24	---	---	0.31	---	---	---	---	0.0005	0.001
	December-2023	---	0.23	---	0.33	0.53	---	0.36	---	---	---	0.35	---	0.78	---	---	---	---	---	---	---	---	---	---	---	0.2	0.003	0.003	
	January-2024	---	---	---	0.47	---	---	---	---	---	---	0.23	---	---	---	---	---	---	---	0.34	---	---	0.27	---	---	---	0.2	0.0025	0.005
	February-2024	---	---	---	0.68	---	0.42	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.001	0.002
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.24	---	---	---	---	---	---	0.18	0.0025	0.005
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	0.49	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	0.002
	May-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.001	0.002	
	June-2024	---	---	---	0.31	---	---	---	---	---	---	---	---	---	---	---	---	0.33	0.18	---	---	---	---	---	---	---	---	0.0005	0.001
	July-2024	---	---	---	---	---	---	---	---	---	---	0.33	---	---	---	---	---	---	0.33	0.2	---	0.73	0.22	---	---	0.22	0.005	0.01	
	August-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.19	---	0.49	---	---	---	---	0.14	0.005	0.01
	September-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0025	0.005
	October-2024	---	---	---	---	---	0.18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.13	---	0.005	0.01
	November-2024	---	---	---	---	0.27	---	0.15	---	---	---	---	---	---	---	---	---	---	0.19	---	---	---	---	---	---	---	---	0.005	0.01
	December-2024	0.1	0.26	---	0.24	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.18	---	---	---	---	---	---	0.005	0.01
	January-2025	0.18	0.15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.01	
	February-2025	---	---	---	0.28	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.09	0.005	0.01	
	March-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.05
	April-2025	---	0.17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.01
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	0.774 J	---	---	---	---	---	---	---	---	---	---	---	---	---	0.465	1
	June-2025	---	0.158	---	---	---	---	---	---	---	---	---	0.344	---	---	---	---	---	0.254	---	---	---	---	---	---	---	---	0.01	0.02
July-2025	---	---	---	---	---	---	---	---	---	---	---	0.246	---	---	---	---	---	0.217	---	---	---	---	---	---	---	---	0.01	0.02	
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.15	0.2	---	---	0.0025	0.005	
September-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.003	0.02	
October-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.322	---	---	---	---	---	---	---	0.19	0.0018	0.02
November-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0018	0.02	
December-2025	---	0.289	---	---	---	---	---	---	---	---	---	0.166	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	0.02	
January-2026	---	0.0128 J	---	---	---	---	---	---	---	---	---	---	---	---	---	0.134	---	---	---	---	---	---	---	---	---	---	0.002	0.02	
February-2026	---	---	---	---	---	---	---	---	---	---	0.247	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.008	0.08	
March-2026	---	---	---	---	---	---	---	---	---	---	---	0.13 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.02	0.2	
April-2026	---	0.39	---	---	---	---	---	---	---	---	---	0.407	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.1	
May-2026	---	---	---	---	---	---	---	---	---	---	0.29	---	---	---	---	---	---	---	---	---	---	---	---	---	0.138	---	0.008	0.08	
June-2026	---	---	---	---	---	---	2.52	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.08	0.8	

Historical LFG-EW Leachate Monitoring Results Summary

Well ID	EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Parameter	Monitoring Event	Concentration																											
Barium	November-2022	---	---	---	---	---	---	---	---	0.871	---	0.485	---	---	0.36	---	---	---	---	---	---	---	---	---	---	0.01	0.02		
	December-2022	---	0.566	---	0.803	---	---	---	0.978	---	0.438	0.214	---	---	---	0.856	0.793	---	---	---	---	---	---	---	---	0.01	0.02		
	January-2023	---	0.643	---	---	---	---	---	0.683	1.92	---	---	---	---	0.554	---	---	---	---	---	---	---	---	---	---	0.005	0.01		
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.04	---	---	---	---	---	---	---	---	0.01	0.05		
	March-2023	---	---	---	---	---	---	---	0.406	0.683	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.01		
	April-2023	---	---	---	---	---	---	---	1.21	---	0.326	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.05		
	May-2023	---	0.636	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.025		
	June-2023	---	---	---	---	---	---	---	---	1.2	1.83	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.05	
		---	---	---	---	---	---	---	---	---	1.69	---	---	---	1.65	---	---	---	---	---	---	---	---	---	---	---	0.005	0.025	
		---	---	---	---	---	---	---	---	---	---	---	3.01	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.05		
	July-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.217	0.001	0.005		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.558	---	---	---	---	---	---	---	---	0.002	0.01	
		---	0.542	---	---	---	---	---	2.28	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.02	---	0.005	0.025	
	August-2023	---	---	---	---	---	1.61	1.58	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.218	0.005	0.025		
	September-2023	---	---	---	0.72	---	---	---	---	---	---	---	---	---	---	---	---	0.649	---	---	---	---	---	---	---	0.01	0.05		
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.664	---	---	---	---	---	---	---	0.002	0.01		
	November-2023	---	---	---	---	---	---	2.56	---	---	---	---	---	---	---	---	---	---	---	---	---	1.93	---	---	---	---	0.005	0.025	
		November-2023	---	0.572	---	0.81	2.28	---	2.51	---	---	1.96	---	0.418	---	---	---	---	0.67	---	---	2.06	---	---	---	2.84	0.01	0.05	
		December-2023	---	---	---	0.68	---	---	---	---	---	---	---	---	---	---	---	---	1.36	---	---	---	---	---	---	---	0.005	0.025	
	January-2024	---	---	---	---	---	---	---	---	1.92	---	---	---	---	---	---	---	---	0.672	---	---	---	---	---	---	1.91	0.005	0.025	
	February-2024	---	---	3.27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.05		
	March-2024	---	---	3.03	---	4.41	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.65	---	0.925	---	---	---	0.005	0.025	
		March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.03	0.002	0.01	
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	0.4	---	---	---	---	0.634	---	---	---	---	---	---	---	0.005	0.025	
		---	---	---	1.02	---	---	---	---	---	---	---	---	---	---	---	---	2.15	---	---	---	---	---	---	---	---	0.01	0.05	
	May-2024	---	---	---	---	---	---	---	---	---	1.79	---	---	---	---	---	---	0.619	---	2.8	2.06	---	---	---	---	0.872	0.01	0.05	
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.6	---	3.44	---	---	---	---	---	1.51	0.01	0.05
	July-2024	---	---	---	---	---	---	---	---	---	1.28	2.75	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.025	
	August-2024	---	---	---	---	---	1.27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.862	---	0.01	0.05	
	September-2024	---	---	---	1.34	---	1.33	---	---	---	---	---	---	---	---	---	---	3.65	---	---	---	---	---	---	---	---	0.01	0.05	
	October-2024	0.26	0.568	---	1.17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.33	---	---	---	---	---	---	0.01	0.05	
	November-2024	0.262	0.69	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.05	
	December-2024	---	---	---	2.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.21	0.01	0.05	
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.05	
	February-2025	---	0.633	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.88	---	---	---	---	---	0.01	0.05	
	March-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.465	0.5	
		March-2025	---	0.516	---	---	---	---	---	---	---	1.05	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.01	
	April-2025	---	---	---	---	---	---	---	---	---	---	1.96	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.01	
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.01	
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.514	---	---	---	---	---	---	---	0.001	0.01	
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.842	0.0005	0.01	
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0005	0.01		
September-2025	---	1.1	---	---	---	---	---	---	---	---	2.36	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.001	0.01		
October-2025	---	0.174	---	---	---	---	---	---	---	---	---	---	---	---	0.284	---	---	---	---	---	---	---	---	---	---	0.001	0.01		
November-2025	---	---	---	---	---	---	---	---	---	1.55	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.004	0.04		
December-2025	---	---	---	---	---	---	---	---	---	---	---	1.75	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.1		
February-2026	---	0.403	---	---	---	---	---	---	---	---	---	2.19	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.05		
April-2026	---	---	---	---	---	---	---	---	---	2.09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.004	0.04		
	---	---	---	---	---	---	1.75	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.04	0.4		

Historical LFG-EW Leachate Monitoring Results Summary

Well ID	EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Parameter	Monitoring Event	Concentration																											
Cadmium	November-2022	---	---	---	---	---	---	---	---	ND	---	ND	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	0.004	0.008	
	December-2022	---	ND	---	0.0104	---	---	---	ND	---	ND	ND	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	0.004	0.008	
	January-2023	---	ND	---	---	---	---	---	---	ND	ND	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	0.002	0.004	
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.000297 J	---	---	---	---	---	---	---	---	0.0001	0.001		
	March-2023	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	0.004	
	April-2023	---	---	---	---	---	---	---	0.000158 J	---	0.000333 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0001	0.001	
	May-2023	---	ND	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0005	0.005	
	June-2023	---	---	---	---	---	---	---	---	ND	---	ND	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	0.0005	0.005	
	July-2023	---	0.000219 J	---	---	---	---	---	0.000156 J	---	---	---	---	---	---	---	---	---	0.000186 J	---	---	---	---	---	ND	ND	0.0001	0.001	
	August-2023	---	---	---	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	---	0.0005	0.005	
	September-2023	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.001	0.01	
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.000171 J	---	---	ND	---	---	---	---	0.0001	0.001	
	November-2023	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0002	0.002	
	November-2023	---	ND	---	ND	ND	---	ND	---	---	ND	---	---	ND	---	---	---	---	ND	---	---	ND	---	---	---	ND	0.001	0.003	
	December-2023	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	0.000604 J	---	---	---	---	---	---	---	---	0.0005	0.0015	
	January-2024	---	---	ND	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0002	0.002
	February-2024	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0175	---	ND	---	---	---	0.0005	0.005
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	0.0002	0.002
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0005	0.005
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	0.000204 J	---	---	---	---	0.000195 J	---	---	---	---	---	---	---	0.0001	0.001	
	April-2024	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	0.001	0.004
	May-2024	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	ND	---	---	0.0483	ND	---	---	---	ND	0.001	0.01
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	0.0175	---	---	---	---	---	0.001	0.01
	July-2024	---	---	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0005	0.005
	August-2024	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00508 J	---	---	---	0.00247 J	---	0.001	0.01
	September-2024	---	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	0.001	0.01
	October-2024	0.00117 J	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.001	0.01
	November-2024	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.001	0.01
	December-2024	---	---	---	0.00661 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00304 J	---	0.001	0.01
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.198	---	---	---	---	---	0.004	0.01
	February-2025	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0101	---	---	---	---	---	0.001	0.01
	March-2025	---	ND	---	---	---	---	---	---	---	---	0.0119	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	0.186	0.2
	April-2025	---	---	---	---	---	---	---	---	---	---	0.0284	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	0.004
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	---	---	0.0005	0.005
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.0004	0.004
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0019 J	0.0002	0.004	
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0183	---	0.001 J	0.0002	0.004
	September-2025	---	0.0009 J	---	---	---	---	---	---	---	---	0.0302	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0002	0.004
	October-2025	---	0.0013 J	---	---	---	---	---	---	---	---	---	---	---	---	0.0002 J	---	---	---	---	---	---	---	---	---	---	---	0.0002	0.004
	November-2025	---	---	---	---	---	---	---	---	---	0.0089 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0008	0.016
	December-2025	---	---	---	---	---	---	---	---	---	---	---	0.0042 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	0.04
	February-2026	---	ND	---	---	---	---	---	---	---	---	---	0.0289	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.001	0.02
	April-2026	---	---	---	---	---	---	---	---	---	0.0176	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.017	---	0.0008	0.016
	April-2026	---	---	---	---	---	---	0.0138 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.008	0.16

Historical LFG-EW Leachate Monitoring Results Summary

Well ID	EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Parameter	Monitoring Event	Concentration																											
Chromium	November-2022	---	---	---	---	---	---	---	---	0.208	---	0.112	---	---	0.354	---	---	---	---	---	---	---	---	---	---	---	0.016	0.02	
	December-2022	---	0.503	---	1.08	---	---	---	---	1.76	---	0.274	0.319	---	---	0.499	0.822	---	---	---	---	---	---	---	---	---	0.016	0.02	
	January-2023	---	0.31	---	---	---	---	---	---	0.488	0.178	---	---	---	---	0.155	---	---	---	---	---	---	---	---	---	---	0.008	0.01	
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.277	---	---	---	---	---	---	---	---	---	0.004	0.01	
	March-2023	---	---	---	---	---	---	---	0.213	0.188	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.008	0.01	
	April-2023	---	---	---	---	---	---	---	---	---	0.142	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0004	0.001	
	May-2023	---	0.422	---	---	---	---	---	---	0.306	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.004	0.01	
	June-2023	---	---	---	---	---	---	---	---	0.281	0.237	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	0.005	
	July-2023	---	0.308	---	---	---	---	---	0.535	---	---	---	---	---	---	---	---	---	0.231	---	---	---	---	---	---	0.215	0.0265	0.0004	0.001
	August-2023	---	---	---	---	---	0.606	---	0.449	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0215	0.0276	0.002	0.005
	September-2023	---	---	---	1.17	---	---	---	---	---	---	---	---	---	---	---	---	---	0.234	---	---	---	---	---	---	0.259	---	0.004	0.01
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.144	---	---	0.194	---	---	---	---	0.0004	0.001	
	November-2023	---	---	---	---	---	---	0.273	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0008	0.002	
		---	0.391	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0	0.003	
		---	---	---	---	0.51	---	---	---	---	---	---	---	---	---	---	---	---	0.251	---	---	0.403	---	---	---	---	0.003	0.003	
	December-2023	---	---	---	1.04	---	---	0.402	---	---	0.246	---	---	0.343	---	---	---	---	---	---	---	---	---	---	---	0.222	---	0.004	0.01
		---	---	---	1.34	---	---	---	---	---	---	---	---	---	---	---	---	0.259	---	---	---	---	---	---	---	---	0.002	0.005	
	January-2024	---	---	0.17	---	---	---	---	---	---	0.193	---	---	---	---	---	---	---	0.219	---	---	---	---	---	---	---	0.0008	0.002	
	February-2024	---	---	0.23	---	0.272	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.203	---	0.336	---	---	---	0.002	0.005	
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0759	0.0008	0.002		
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	0.36	---	---	---	---	0.245	---	---	---	---	---	---	---	0.0004	0.001	
		---	---	---	0.836	---	---	---	---	---	---	---	---	---	---	---	---	0.228	---	---	---	---	---	---	---	---	0.004	0.01	
	May-2024	---	---	---	---	---	---	---	---	---	0.268	---	---	---	---	---	---	---	0.226	---	0.183	0.352	---	---	---	0.11	0.004	0.01	
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.226	---	0.188	---	---	---	---	0.16	0.004	0.01	
	July-2024	---	---	---	---	---	---	---	---	---	0.252	0.246	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	0.005	
	August-2024	---	---	---	---	---	0.549	---	---	---	---	---	---	---	---	---	---	---	---	---	0.185	---	---	---	0.233	---	0.004	0.01	
	September-2024	---	---	---	0.948	---	0.541	---	---	---	---	---	---	---	---	---	---	0.228	---	---	---	---	---	---	---	---	0.004	0.01	
	October-2024	0.0873	0.246	---	0.929	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.349	---	---	---	---	---	---	0.004	0.01	
	November-2024	0.0797	0.237	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.004	0.01	
	December-2024	---	---	---	0.773	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.184	0.004	0.01		
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00941	---	---	---	---	---	0.003	0.01	
	February-2025	---	0.21	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.196	---	---	---	---	---	0.004	0.01	
	March-2025	---	0.248	---	---	---	---	---	---	---	---	0.199	0.0992	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0465	0.05	
	April-2025	---	---	---	---	---	---	---	---	---	---	0.248	---	---	---	---	---	0.155	---	---	---	---	---	---	---	---	0.008	0.01	
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.143	---	---	---	---	---	---	---	---	0.008	0.01	
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.371	0.342	---	---	0.002	0.005	
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.178	---	---	---	---	---	---	---	0.001	0.01	
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0899	0.0004	0.01		
	September-2025	---	0.24	---	---	---	---	---	---	---	---	0.222	---	---	---	---	---	---	---	---	---	---	---	0.303	0.0578	0.0004	0.01		
	October-2025	---	0.0305	---	---	---	---	---	---	---	---	---	---	---	---	0.223	---	---	---	---	---	---	---	---	---	---	0.0004	0.01	
	November-2025	---	---	---	---	---	---	---	---	---	0.185	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0016	0.04	
	December-2025	---	---	---	---	---	---	---	---	---	---	---	0.153	---	---	---	---	---	---	---	---	---	---	---	---	---	0.004	0.1	
	February-2026	---	0.406	---	---	---	---	---	---	---	---	---	0.22	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	0.05	
	April-2026	---	---	---	---	---	---	---	---	---	0.233	---	---	---	---	---	---	---	---	---	---	---	---	---	0.105	0.0016	0.04		
		---	---	---	---	---	0.933	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.016	0.4	

Historical LFG-EW Leachate Monitoring Results Summary

Well ID		EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Parameter	Monitoring Event	Concentration																												
Copper	November-2022	---	---	---	---	---	---	---	---	---	ND	---	ND	---	---	ND	---	---	---	---	---	---	---	---	---	---	0.016	0.02		
	December-2022	---	ND	---	ND	---	---	---	ND	---	ND	ND	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	0.016	0.02		
	January-2023	---	ND	---	---	---	---	---	---	0.0127	0.0256	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	0.008	0.01		
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00365	---	---	---	---	---	---	---	---	0.0003	0.001		
	March-2023	---	---	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.008	0.01		
	April-2023	---	---	---	---	---	---	---	---	0.00664	---	0.00767	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0003	0.001		
	May-2023	---	ND	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0015	0.005		
	June-2023	---	---	---	---	---	---	---	---	---	---	0.00154 J	---	0.00362 J	---	0.00269 J	---	---	---	---	---	---	---	---	---	---	0.0015	0.005		
	July-2023	---	0.00124	---	---	---	---	---	---	0.00163	---	---	---	---	---	---	---	---	---	0.00811	---	---	---	---	---	ND	0.0027	0.0003	0.001	
	August-2023	---	---	---	---	---	---	0.00343 J	---	0.0176	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	0.0015	0.005	
	September-2023	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00407 J	---	---	---	---	---	---	---	0.003	0.01	
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00361	---	---	0.000609 J	---	---	---	---	0.0003	0.001	
	November-2023	---	0.00607	---	0.00352	0.0212	---	0.00756	---	---	---	ND	---	---	0.00341	---	---	---	---	0.00387	---	---	ND	---	---	---	ND	0.003	0.003	
	December-2023	---	---	---	0.00184	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.0015	0.0015	
	January-2024	---	---	ND	---	---	---	---	---	---	---	0.019	---	---	---	---	---	---	---	---	0.0034	---	---	---	---	---	---	0.0006	0.002	
	February-2024	---	---	ND	---	0.00201	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0015	0.005	
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00115 J	---	0.0015	0.005	
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	0.00443	---	---	---	---	---	0.004	---	---	---	---	---	---	---	0.0003	0.001	
	May-2024	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.003	0.004	
	June-2024	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.00486 J	---	0.00688 J	ND	---	---	---	ND	0.003	0.01	
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00409 J	---	---	---	---	---	---	---	0.003	0.01	
	August-2024	---	---	---	---	---	---	---	---	---	---	0.398	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0015	0.005	
	September-2024	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	0.003	0.01	
	October-2024	0.00612 J	ND	---	ND	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00306 J	---	---	---	---	---	---	0.003	0.01
	November-2024	0.00569 J	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.003	0.01	
	December-2024	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.003	0.01	
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.01	
	February-2025	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.035 J	---	---	---	---	---	0.003	0.01	
	March-2025	---	0.0087 J	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.00381 J	---	---	---	---	---	0.0465	0.05	
	April-2025	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	0.0142	---	---	---	---	---	---	---	---	0.008	0.01	
	May-2025	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	0.009 J	---	---	---	---	---	---	---	---	0.008	0.01	
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0082 J	---	---	---	ND	0.0123	---	0.0015	0.005	
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	0.01	
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0076 J	0.0017	0.01	
	September-2025	---	0.0089 J	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0049 J	0.002	0.01
	October-2025	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0031 J	---	---	---	---	---	---	---	---	---	---	0.002	0.01	
	November-2025	---	---	---	---	---	---	---	---	---	---	0.0682	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.008	0.04	
	December-2025	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	0.02	0.1	
	February-2026	---	0.0142 J	---	---	---	---	---	---	---	---	---	0.0252 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.05	
	April-2026	---	---	---	---	---	---	---	0.372 J	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	0.008	0.04	
			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.08	0.4	

Historical LFG-EW Leachate Monitoring Results Summary

Well ID	EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Parameter	Monitoring Event	Concentration																											
Lead	November-2022	---	---	---	---	---	---	---	---	ND	---	ND	---	---	0.017 J	---	---	---	---	---	---	---	---	---	---	---	0.012	0.02	
	December-2022	---	ND	---	0.0381	---	---	---	ND	---	ND	ND	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	0.012	0.02	
	January-2023	---	ND	---	---	---	---	---	---	ND	ND	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	0.006	0.01	
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.006	---	---	---	---	---	---	---	---	---	0.001	0.001	
	March-2023	---	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.006	0.01	
	April-2023	---	---	---	---	---	---	---	0.0022	---	0.0067	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.001	0.001	
	May-2023	---	ND	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.005	
	June-2023	---	---	---	---	---	---	---	---	ND	ND	---	ND	---	0.0069	---	---	---	---	---	---	---	---	---	---	---	0.005	0.005	
	July-2023	---	0.0014	---	---	---	---	---	0.019	---	---	---	---	---	---	---	---	---	0.0092	---	---	---	---	---	ND	0.0017	0.001	0.001	
	August-2023	---	---	---	---	---	0.014	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.013	ND	0.005	0.005	
	September-2023	---	---	---	0.12	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.01	0.01	
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0036	---	---	0.0034	---	---	---	---	---	0.001	0.001	
	November-2023	---	ND	---	0.13	0.0046	---	0.014	---	---	ND	---	---	ND	---	---	---	---	0.0032	---	---	0.0043	---	---	---	ND	0.003	0.003	
	December-2023	---	---	---	0.16	---	---	---	---	---	---	---	---	---	---	---	---	0.002	---	---	---	---	---	---	---	---	0.002	0.002	
	January-2024	---	---	ND	---	---	---	---	---	---	0.0081	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	0.005	0.005	
	February-2024	---	---	0.0065	---	0.01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.051	---	0.012	---	---	---	0.001	0.002	
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	0.002	0.002	
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	0.0013	---	---	---	---	0.0025	---	---	---	---	---	---	---	0.005	0.005	
	May-2024	---	---	---	0.13	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.001	0.001	
	June-2024	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	ND	---	0.11	ND	---	---	---	---	0.01	0.01	
	July-2024	---	---	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	0.024	---	---	---	---	---	0.01	0.01	
	August-2024	---	---	---	---	---	0.031	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.005	
	September-2024	---	---	---	---	---	0.031	---	---	---	---	---	---	---	---	---	---	---	---	---	0.027	---	---	---	---	---	0.01	0.01	
	October-2024	ND	ND	---	0.098	---	0.057	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.01	0.01	
	November-2024	ND	ND	---	0.12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.01	
	December-2024	---	---	---	0.18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.01	
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	0.002	
	February-2025	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.02	---	---	---	---	---	0.01	0.01	
	March-2025	---	0.0113	---	---	---	---	---	---	---	---	0.0816	0.0561	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0465	0.05	
	April-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0229	---	---	---	---	---	---	---	---	0.006	0.01	
	May-2025	---	---	---	---	---	---	---	---	---	---	0.132	---	---	---	---	---	0.0207	---	---	---	---	---	---	---	---	0.006	0.01	
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.005	
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0079 J	---	---	---	---	---	---	0.003	0.01	
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0233	0.0018	0.01	
	September-2025	---	0.0179	---	---	---	---	---	---	---	---	0.0184	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	0.01	
	October-2025	---	0.0093 J	---	---	---	---	---	---	---	---	---	---	---	---	0.0105 J	---	---	---	---	---	---	---	---	---	---	0.008	0.04	
	November-2025	---	---	---	---	---	---	---	---	---	0.0688	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.008	0.04	
	December-2025	---	---	---	---	---	---	---	---	---	---	---	0.0246 J	0.218	---	---	---	---	---	---	---	---	---	---	---	---	0.02	0.1	
	February-2026	---	0.0186 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.05	
	April-2026	---	---	---	---	---	---	---	---	---	0.101	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0987	0.008	0.04	
			---	---	---	---	---	12.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.08	0.4

Well ID	EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ	
Parameter	Monitoring Event	Concentration																										
Mercury	November-2022	---	---	---	---	---	---	---	---	ND	---	0.00169	---	---	0.00053	---	---	---	---	---	---	---	---	---	---	0.0004	0.0004	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0008	0.0008	
	December-2022	---	0.00051	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0004	0.0004	
		---	---	---	---	---	---	0.00118	---	ND	0.00588	---	---	---	---	0.0048	ND	---	---	---	---	---	---	---	---	0.0008	0.0008	
		---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.004	0.004	
	January-2023	---	ND	---	---	---	---	---	---	ND	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	0.0004	0.0004	
		---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.004	0.004	
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.0004	0.0004	
	March-2023	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	
		---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0004	0.0004	
	April-2023	---	---	---	---	---	---	---	---	---	---	0.00128	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	
		---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0004	0.0004	
	May-2023	---	ND	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	
	June-2023	---	---	---	---	---	---	---	---	---	ND	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	0.004	0.004	
	July-2023	---	0.000306	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	ND	0.0002	0.0002
		---	---	---	---	---	---	---	0.0107	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	0.001	0.001
	August-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	0.001	0.001
		---	---	---	---	---	0.00312	---	0.00397	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	0.002
	September-2023	---	---	---	0.00503	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.002	0.002
	October-2023	---	---	---	---	---	---	0.00165	---	---	---	---	---	---	---	---	---	---	ND	---	---	0.00055	---	---	---	---	0.0004	0.0004
		---	ND	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	0.0000002	0.0000002
	November-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.0000004	0.0000004
		---	---	---	0.00576	0.00606	---	0.00578	---	---	ND	---	---	---	---	---	---	---	---	---	---	0.00954	---	---	---	---	0.000004	0.000004
	December-2023	---	---	---	0.00484	---	---	---																				

Historical LFG-EW Leachate Monitoring Results Summary

Well ID		EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Parameter	Monitoring Event	Concentration																												
Nickel	November-2022	---	---	---	---	---	---	---	---	---	0.0866	---	0.1344	---	---	0.173	---	---	---	---	---	---	---	---	---	---	0.014	0.02		
	December-2022	---	0.1722	---	0.5025	---	---	---	0.2989	---	0.1299	0.287	---	---	---	---	0.1853	0.346	---	---	---	---	---	---	---	---	0.014	0.02		
	January-2023	---	0.1074	---	---	---	---	---	---	0.1442	0.0407	---	---	---	---	---	0.0769	---	---	---	---	---	---	---	---	---	0.007	0.01		
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.1726	---	---	---	---	---	---	---	---	0.001	0.001		
	March-2023	---	---	---	---	---	---	---	---	0.1254	0.1033	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.007	0.01		
	April-2023	---	---	---	---	---	---	---	---	0.1143	---	0.1732	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.001	0.001		
	May-2023	---	0.113	---	---	---	---	---	---	0.09726	0.05657	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.005		
	June-2023	---	---	---	---	---	---	---	---	---	0.05978	---	0.05892	---	0.07161	---	---	---	---	---	---	---	---	---	---	---	0.005	0.005		
	July-2023	---	0.09872	---	---	---	---	---	0.08332	---	---	---	---	---	---	---	---	---	---	0.1576	---	---	---	---	---	0.03074	0.01403	0.001	0.001	
	August-2023	---	---	---	---	---	0.1457	---	0.09673	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0513	0.02029	0.005	0.005	
	September-2023	---	---	---	0.5152	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.2387	---	---	---	---	---	---	---	0.01	0.01	
	October-2023	---	---	---	---	---	---	---	0.104	---	---	---	---	---	---	---	---	---	---	0.2019	---	---	0.09206	---	---	---	---	0.001	0.001	
	November-2023	---	0.1178	---	0.4227	0.1242	---	0.07791	---	---	0.05944	---	---	0.1493	---	---	---	---	---	0.2492	---	---	0.1332	---	---	---	0.05277	0.01	0.01	
	December-2023	---	---	---	0.6091	---	---	---	---	---	---	---	---	---	---	---	---	---	0.1447	---	---	---	---	---	---	---	---	0.005	0.005	
	January-2024	---	---	0.06308	---	---	---	---	---	---	0.04911	---	---	---	---	---	---	---	---	---	---	0.2127	---	---	---	---	---	0.002	0.002	
	February-2024	---	---	0.07945	---	0.07013	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.09174	---	0.06183	---	---	0.0326	0.005	0.005
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.02232	0.005	0.005	
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	0.1319	---	---	---	---	---	---	---	---	---	0.08678	---	---	0.002	0.002	
	May-2024	---	---	---	0.3136	---	---	---	---	---	---	---	---	---	---	---	---	---	0.1139	---	---	---	---	---	---	---	---	0.001	0.001	
	June-2024	---	---	---	---	---	---	---	---	---	---	0.0538	---	---	---	---	---	---	---	0.2065	---	0.07835	0.09235	---	---	---	0.01	0.01		
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.211	---	0.07664	---	---	---	---	---	0.03166	0.01	0.01
	August-2024	---	---	---	---	---	0.1008	---	---	---	---	0.1917	0.03634	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.005	
	September-2024	---	---	---	---	---	0.1008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.02104	---	0.01	0.01	
	October-2024	0.07251	0.115	---	0.396	---	0.1138	---	---	---	---	---	---	---	---	---	---	---	0.08772	---	---	---	---	---	---	---	---	0.01	0.01	
	November-2024	0.03879	0.09665	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.05751	---	---	---	---	---	---	0.01	0.01	
	December-2024	---	---	---	0.2964	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.03528	0.01	0.01		
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	0.0085	0.01	
	February-2025	---	0.09275	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.1021	---	---	---	---	---	0.01	0.01	
	March-2025	---	0.0933	---	---	---	---	---	---	---	---	---	0.0375	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0465	0.05	
	April-2025	---	---	---	---	---	---	---	---	---	---	0.0161	---	---	---	---	---	---	0.0818	---	---	---	---	---	---	---	---	0.007	0.01	
	May-2025	---	---	---	---	---	---	---	---	---	---	---	0.0161	---	---	---	---	---	0.0713	---	---	---	---	---	---	---	---	0.007	0.01	
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.1796	---	---	---	0.07897	0.03695	---	0.005	0.005	
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0145	0.0005	0.01	
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0925	0.0393	0.0005	0.01		
	September-2025	---	0.0731	---	---	---	---	---	---	---	---	0.0224	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.001	0.01	
	October-2025	---	0.0177	---	---	---	---	---	---	---	---	---	---	---	---	---	0.1269	---	---	---	---	---	---	---	---	---	---	0.001	0.01	
	November-2025	---	---	---	---	---	---	---	---	---	0.0204 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.004	0.04	
	December-2025	---	---	---	---	---	---	---	---	---	---	---	---	0.0635 J	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.1	
	February-2026	---	0.1353	---	---	---	---	---	---	---	---	---	---	0.0275 J	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.05	
	April-2026	---	---	---	---	---	---	---	---	---	---	0.0121 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	0.004	0.04	
			---	---	---	---	---	1.586	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.04	0.4	

Historical LFG-EW Leachate Monitoring Results Summary

Well ID	EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ	
Parameter	Monitoring Event	Concentration																										
Selenium	November-2022	---	---	---	---	---	---	---	---	ND	---	ND	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	0.08	0.1
	December-2022	---	ND	---	ND	---	---	---	ND	---	ND	ND	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	0.08	0.1
	January-2023	---	ND	---	---	---	---	---	---	ND	ND	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	0.04	0.05
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00199	---	---	---	---	---	---	---	---	0.00085	0.001	
	March-2023	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.04	0.05
	April-2023	---	---	---	---	---	---	---	0.00189	---	0.00185	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00085	0.001
	May-2023	---	ND	---	---	---	---	---	---	ND	0.00569	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00425	0.005
	June-2023	---	---	---	---	---	---	---	---	ND	---	ND	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	0.00425	0.005
	July-2023	---	0.00101	---	---	---	---	---	0.00331	---	---	---	---	---	---	---	---	---	0.00116	---	---	---	---	---	0.00251	ND	0.00085	0.001
	August-2023	---	---	---	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	0.00425	0.005
	September-2023	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	ND	---	0.0085	0.01
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00186	---	0.0044	---	---	---	---	---	0.00085	0.001
	November-2023	---	ND	---	0.00425	0.00314	---	0.00315	---	---	ND	---	---	ND	---	---	---	---	ND	---	---	0.0032	---	---	---	ND	0.003	0.003
	December-2023	---	---	---	0.00785	---	---	---	---	---	---	---	---	---	---	---	---	0.00253	---	---	---	---	---	---	---	---	0.0015	0.0015
	January-2024	---	---	ND	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.00215	---	---	---	---	---	---	---	0.0017	0.002
	February-2024	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00571	---	0.00651	---	---	---	0.00425	0.005
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	0.00425	0.005
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	0.000929 J	---	---	---	---	---	---	---	0.00085	0.001
	May-2024	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.0085	0.01
	June-2024	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	ND	---	ND	ND	---	---	---	ND	0.0085	0.01
	July-2024	---	---	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	ND	---	ND	---	---	---	---	---	0.00425	0.005
	August-2024	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	ND	---	0.0085	0.01
	September-2024	---	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.0085	0.01
	October-2024	ND	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	0.0085	0.01
	November-2024	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0085	0.01
	December-2024	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	0.0085	0.01
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	0.0006	0.01
	February-2025	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	0.0085	0.01
	March-2025	---	ND	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	2.32	2.5
	April-2025	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.04	0.05
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	---	0.04	0.05
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00425	0.005
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.008	0.05
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	0.0069	0.05
	September-2025	---	ND	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.007	0.05
	October-2025	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	0.007	0.05
	November-2025	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.028	0.2
	December-2025	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	0.07	0.5
	February-2026	---	ND	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	0.035	0.25
	April-2026	---	---	---	---	---	---	ND	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.028	0.2
			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.28	2

Historical LFG-EW Leachate Monitoring Results Summary

Well ID	EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ	
Parameter	Monitoring Event	Concentration																										
Silver	November-2022	---	---	---	---	---	---	---	---	ND	---	ND	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	0.01	0.02
	December-2022	---	ND	---	0.0187 J	---	---	---	ND	---	ND	ND	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	0.01	0.02
	January-2023	---	ND	---	---	---	---	---	---	ND	ND	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	0.005	0.01
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	0.00006	0.001
	March-2023	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0005	0.01
	April-2023	---	---	---	---	---	---	---	ND	---	0.00011 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00006	0.001
	May-2023	---	ND	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0003	0.005
	June-2023	---	---	---	---	---	---	---	---	ND	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	0.0003	0.005
	July-2023	---	ND	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	ND	ND	0.00006	0.001
	August-2023	---	---	---	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	0.0003	0.005
	September-2023	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.0006	0.01
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	ND	---	---	---	---	0.00006	0.001
	November-2023	---	ND	---	ND	ND	---	ND	---	---	ND	---	---	ND	---	---	---	---	ND	---	---	---	ND	---	---	ND	0.0006	0.01
	December-2023	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.00025	0.001
	January-2024	---	---	ND	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	0.0003	0.005
	February-2024	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	ND	---	---	---	0.0003	0.005
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	0.00012	0.002
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	ND	---	---	---	---	---	---	---	0.0003	0.005
	May-2024	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.00006	0.001
	June-2024	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	ND	0.0004	0.001
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0006	0.01
	August-2024	---	---	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0003	0.0005
	September-2024	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	0.0006	0.01
	October-2024	ND	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	0.0006	0.01
	November-2024	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0006	0.01
	December-2024	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	0.0006	0.01
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.789	---	---	---	---	0.025	0.05
	February-2025	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	0.0006	0.01
	March-2025	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00232	0.0025
	April-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.005	0.01
	May-2025	---	---	---	---	---	---	---	---	---	---	---	0.007 J	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.005	0.01
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	---	---	0.0003	0.005
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.002	0.01	
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0009 J	0.0004	0.01	
September-2025	---	0.001 J	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0004	0.01	
October-2025	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	0.0007 J	---	---	---	---	---	---	---	---	---	---	0.0004	0.01	
November-2025	---	---	---	---	---	---	---	---	---	0.0034 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0016	0.04
December-2025	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	0.004	0.1	
February-2026	---	ND	---	---	---	---	---	---	---	---	---	0.0146 J	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	0.05	
April-2026	---	---	---	---	---	---	ND	---	---	0.0062 J	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0061 J	---	---	0.0016	0.04
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.016	0.4

Historical LFG-EW Leachate Monitoring Results Summary

Well ID	EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Parameter	Monitoring Event	Concentration																											
Zinc	November-2022	---	---	---	---	---	---	---	---	ND	---	0.032	---	---	0.694	---	---	---	---	---	---	---	---	---	---	0.02	0.02		
	December-2022	---	0.208	---	29.7	---	---	---	0.162	---	0.0686	0.75	---	---	0.364	0.286	---	---	---	---	---	---	---	---	---	0.02	0.02		
	January-2023	---	0.133	---	---	---	---	---	---	0.15	0.074	---	---	---	0.0752	---	---	---	---	---	---	---	---	---	---	0.01	0.01		
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0851	---	---	---	---	---	---	---	---	0.0025	0.005		
	March-2023	---	---	---	---	---	---	---	0.0689	0.0538	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.01		
	April-2023	---	---	---	---	---	---	---	0.0539	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0025	0.005		
	May-2023	---	0.079	---	---	---	---	---	---	0.0635	0.0519	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.025	0.05		
	June-2023	---	---	---	---	---	---	---	---	0.0538	---	0.0253	---	0.945	---	---	---	---	---	---	---	---	---	---	---	0.0125	0.025		
	July-2023	---	0.0488	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0714	---	---	---	---	---	0.354	0.0782	0.0025	0.005	
	August-2023	---	---	---	---	---	---	2.03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0125	0.025		
	September-2023	---	---	---	---	---	---	1.71	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.914	---	0.025	0.05	
	October-2023	---	---	---	---	---	5.92	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.05	0.1		
	November-2023	---	0.0471 J	---	---	0.0534	---	0.203	0.74	---	0.053	---	---	0.0618	---	---	---	---	0.0722	---	---	633	0.845	---	0.0313 J	0.025	0.05		
	December-2023	---	---	---	30.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	0.5	
	January-2024	---	---	0.117	---	---	---	---	---	0.0974	---	---	---	---	---	---	---	0.0462	---	---	---	---	---	---	---	0.0261	0.0125	0.025	
	February-2024	---	---	0.0879	---	0.0554	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.475	---	0.809	---	---	---	0.0125	0.025	
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0342	0.005	0.01	
	April-2024	---	---	---	---	---	---	---	---	---	---	---	0.0565	---	---	---	---	---	0.0539	---	---	---	---	---	---	---	0.0125	0.025	
	May-2024	---	---	---	24.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.02	0.02	
	June-2024	---	---	---	---	---	---	---	---	---	0.165	---	---	---	---	---	---	---	0.0568	---	1.3	1.43	---	---	---	0.0812	0.025	0.05	
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0505	---	0.498	---	---	---	---	ND	0.025	0.05	
	August-2024	---	---	---	---	---	3.49	---	---	---	0.104	0.0451	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0125	0.025	
	September-2024	---	---	---	0.212	---	3.68	---	---	---	---	---	---	---	---	---	---	---	---	---	0.512	---	---	---	0.417	---	0.025	0.05	
	October-2024	0.266	0.077	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.111	---	---	---	---	---	---	---	---	0.0025	0.005	
	November-2024	0.0325 J	0.0367 J	---	20.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.342	---	---	---	---	---	---	0.025	0.05	
	December-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0696	0.025	0.05	
	January-2025	---	---	---	14.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	0.5	
	February-2025	---	0.0405 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	0.527	---	---	---	---	0.002	0.002	
	March-2025	---	0.0415	---	---	---	---	---	---	---	---	---	0.136	---	---	---	---	---	---	---	---	---	---	---	---	---	0.025	0.05	
	April-2025	---	---	---	---	---	---	---	---	---	---	0.155	---	---	---	---	---	0.0277	---	---	---	---	---	---	---	---	0.01	0.01	
	May-2025	---	---	---	---	---	---	---	---	---	---	0.366	---	---	---	---	---	0.0297	---	---	---	---	---	---	---	---	0.01	0.01	
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.05	0.05	
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0125	0.025	
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.007	0.01	
	September-2025	---	0.0267	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0246	0.0032	0.01	
	October-2025	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0318	0.0064	0.02
	November-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0096	0.03
	December-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.003	0.01	
	February-2026	---	0.0541	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.003	0.01
	April-2026	---	---	---	---	---	---	---	---	---	0.215	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.012	0.04
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.03	0.1	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.015	0.05	
	---	---	---	---	---	---	---	---	---	0.129	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.012	0.04	
	---	---	---	---	---	---	65.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.12	0.4	

Well ID	EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ	
Parameter	Monitoring Event	Concentration																										
Butyric Acid	November-2022	---	---	---	---	---	---	---	---	830	---	430	---	---	ND	---	---	---	---	---	---	---	---	---	---	12	100	
	December-2022	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	29	250		
	January-2023	---	ND	---	---	---	---	---	ND	1800	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	29	250	
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	500	
	March-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	
	April-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	
	May-2023	---	ND	---	---	---	---	---	---	---	1200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	330	500	
	June-2023	---	---	---	---	---	---	---	---	---	2500	---	1500	---	2900	---	---	---	---	---	---	---	---	---	---	650	1000	
	July-2023	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	ND	130	200
	August-2023	---	---	---	---	---	1400	---	2800	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	650	---	330	500
	September-2023	---	---	---	3100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500
	October-2023	---	---	---	---	---	---	1200	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	330	500
	November-2023	---	ND	---	---	1670	---	1760	---	---	1370	---	---	ND	---	---	---	---	ND	---	---	2730	---	---	---	740	250	500
	December-2023	---	---	---	3420	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	1000
	January-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100
	February-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20
	May-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250
	August-2024	---	---	---	---	---	1630	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100
	September-2024	---	---	---	3550	---	2060	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250
	October-2024	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50
	November-2024	480	ND	---	---	---	---</																					

Historical LFG-EW Leachate Monitoring Results Summary

Well ID		EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Parameter	Monitoring Event	Concentration																												
Lactic Acid	November-2022	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	ND	---	---	---	---	---	---	---	---	---	---	11	100		
	December-2022	---	90 J	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27	250		
	November-2023	---	ND	---	---	968	---	1800	---	---	969	---	---	ND	---	---	---	---	ND	---	---	1170	---	---	---	324	250	500		
	December-2023	---	---	---	6030	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500		
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		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250		
	January-2024	---	---	629	9050	---	---	---	---	---	979	---	---	---	---	---	---	---	---	---	---	---	---	---	---	256	---	250		
	February-2024	---	---	334	---	180	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	756	---	1650	---	---	---	250		
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	20		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200		
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	ND	---	---	---	---	---	---	---	100		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	250		
		---	---	---	5120	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1250		
	May-2024	---	---	---	---	---	---	---	---	---	1160	---	---	---	---	---	---	---	---	ND	---	1170	1730	---	---	---	ND	---	250	
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	706	---	---	---	---	246	---	100	
	July-2024	---	---	---	---	---	---	---	---	---	---	1220	1210	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250		
	August-2024	---	---	---	---	---	---	2270	---	---	---	---	---	---	---	---	---	---	---	---	---	593	---	---	---	959	---	---	500	
	September-2024	---	---	---	---	---	---	2550	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
		---	---	---	5510	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1250		
		ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50		
	October-2024	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2590	---	---	---	---	---	---	---	250	
		---	---	---	5630	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1250	
	November-2024	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200		
	December-2024	---	---	---	5300	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	400	
		January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	480	---	---	---	---	---	---	100	
		May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	963	783	---	---	55.7	500	
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.6	5	
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	74.7	5.6	50	
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5	
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	September-2025	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.8	25
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October-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	31.2	---	---	---	---	---	---	---	---	---	---	---	5.6	50	
November-2025	---	85.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.6	50	
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February-2026	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.6	50
	---	24.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.6	5	
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Historical LFG-EW Leachate Monitoring Results Summary

Well ID	EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Parameter	Monitoring Event	Concentration																											
Propionic Acid	November-2022	---	---	---	---	---	---	---	---	---	---	620	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11	100	
		---	---	---	---	---	---	---	---	1600	---	---	---	---	73 J	---	---	---	---	---	---	---	---	---	---	---	27	250	
	December-2022	---	640	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27	250	
	January-2023	---	ND	---	---	---	---	---	ND	2000	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	500	
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	500	
	March-2023	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	
	April-2023	---	---	---	---	---	---	---	600	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	340	500	
	May-2023	---	520	---	---	---	---	---	---	800	1400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	340	500	
	June-2023	---	---	---	---	---	---	---	---	---	2900	---	2000	---	2900	---	---	---	---	---	---	---	---	---	---	---	680	1000	
	July-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	140	200
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	August-2023	---	---	---	---	---	1200	---	2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1900	ND	---	500	
	September-2023	---	---	---	1800	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	340	500	
	October-2023	---	---	---	---	---	---	1300	---	---	---	---	---	---	---	---	---	---	ND	---	---	2000	---	---	---	---	340	500	
	November-2023	---	ND	---	---	2170	---	2310	---	---	2080	---	---	387	---	---	---	---	ND	---	---	3350	---	---	---	1420	250	500	
		---	---	---	2580	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	1000	
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	December-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
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		January-2024	---	---	1680	---	---	---	---	---	1970	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1030	---	250	
	February-2024	---	---	1210	---	1510	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
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		April-2024	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	ND	---	---	---	---	---	---	---	---	100	
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		June-2024	---	---	---	---	---	---	---	---	1730	---	---	---	---	---	---	---	ND	---	1640	2770	---	---	---	---	647	---	250
		July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	1870	---	---	---	---	---	1400	---
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	September-2024	---	---	---	2640	---	1690	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500
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Historical LFG-EW Leachate Monitoring Results Summary

Well ID		EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ	
Parameter	Monitoring Event	Concentration																											
Pyruvic Acid	November-2022	---	---	---	---	---	---	---	---	---	---	---	46 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12	100
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	July-2024	---	---	---	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250
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	November-2024	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200
	December-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	410	---	200
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	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	100
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	132 J	124 J	---	---	44.4	250
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.9	5
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	68	8.9	50
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	61.3	0.9	5
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September-2025	---	33.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4.4	25	
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October-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	57.9	---	---	---	---	---	---	---	---	---	---	0.9	5	
	---	24.8 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.9	50	
November-2025	---	---	---	---	---	---	---	---	---	---	129	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.9	50	
December-2025	---	---	---	---	---	---	---	---	---	---	---	---	96.7	---	---	---	---	---	---	---	---	---	---	---	---	---	8.9	50	
February-2026	---	2.4 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.9	5	
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April-2026	---	---	---	---	---	---	29.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.9	5	
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Well ID	Parameter	Monitoring Event	EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
VOLATILE ORGANIC COMPOUNDS (ug/L)																															
2-Butanone (MEK)	November-2022	---	---	---	---	---	---	---	---	---	---	3510	---	---	---	---	1140	---	---	---	---	---	---	---	---	---	---	30	100		
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	December-2022	---	3140	---	---	---	---	---	---	---	---	---	3390	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30	100		
		---	---	---	26800	---	---	---	---	27700	---	---	5670	---	---	---	---	21700	7150	---	---	---	---	---	---	---	---	---	300	1000	
	January-2023	---	3480	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30	100	
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	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14400	---	---	---	---	---	---	---	---	---	600	2000
		March-2023	---	---	---	---	---	---	---	---	---	---	257	2770	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30	100
	April-2023	---	---	---	---	---	---	---	---	---	---	---	3420	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	750	2500
		May-2023	---	5360	---	---	---	---	---	---	---	---	5970	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	150	500
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	July-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	20100	---	22600	---	---	---	---	---	---	---	---	---	---	---	---	1500	5000
		---	5860	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	60	200
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	September-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	750	2500
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	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	60	200
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	November-2023	---	---	---	---																										

Well ID	Monitoring Event	EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Acetone	November-2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4420	---	---	---	---	---	---	---	---	---	---	70	100		
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		---	8130	---	---	---	---	---	---	---	---	22200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	700	1000	
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	23900	---	---	---	---	---	---	---	---	1750	2500	
	March-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1400	2000	
		---	---	---	---	---	---	---	---	---	375	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	70	100	
	April-2023	---	---	---	---	---	---	---	---	---	8290	---	7560	---	---	---	---	---	---	---	---	---	---	---	---	---	---	700	1000	
	May-2023	---	10700	---	---	---	---	---	---	---	11700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1750	2500
		---	---	---	---	---	---	---	---	---	---	29600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	350	500	
	June-2023	---	---	---	---	---	---	---	---	---	---	29600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1750	2500
		---	---	---	---	---	---	---	---	---	---	---	---	61800	---	50800	---	---	---	---	---	---	---	---	---	---	---	3500	5000	
	July-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1180	---	---	---	---	---	---	---	140	200
		---	9780	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	700	1000	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1750	2500
	August-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7000	10000
		---	---	---	---	---	---	---	---	77200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	700	1000
		---	---	---	---	---	---	---	---	18700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1750	2500
	September-2023	---	---	---	---	---	72500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3500	5000
		---	---	---	40100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	188 J	---	---	---	---	---	---	---	---	140	200
	October-2023	---	---	---																										

Historical LFG-EW Leachate Monitoring Results Summary

Well ID		EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ	
Parameter	Monitoring Event	Concentration																											
Benzene	November-2022	---	---	---	---	---	---	---	---	---	7.4 J	---	2860	---	---	50.4	---	---	---	---	---	---	---	---	---	---	4	10	
	December-2022	---	301	---	2960	---	---	---	---	---	6.3 J	622	---	---	---	---	1750	179	---	---	---	---	---	---	---	---	4	10	
	January-2023	---	240	---	---	---	---	---	---	28.7	1620	---	---	---	---	167	---	---	---	---	---	---	---	---	---	---	4	10	
	February-2023	---	---	---	---	---	---	---	6550	---	---	---	---	---	---	---	---	---	1370	---	---	---	---	---	---	---	4	10	
	March-2023	---	---	---	---	---	---	---	---	1540	727	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4	10	
	April-2023	---	---	---	---	---	---	---	---	3740	---	320	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4	10	
	May-2023	---	814	---	---	---	---	---	---	4890	3370	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50	
	June-2023	---	---	---	---	---	---	---	---	---	2630	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20	
		---	---	---	---	---	---	---	---	---	---	1400	---	1590	---	---	---	---	---	---	---	---	---	---	---	---	20	50	
		---	824	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	80.8	---	---	---	---	---	---	---	8	20	
	July-2023	---	---	---	---	---	---	---	4050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1420	---	20	50
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11800	100	250
	August-2023	---	---	---	---	---	2320	---	168	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	379	8	20
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50	
	September-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	193	---	---	---	---	---	---	---	---	8	20
		---	---	---	468	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	399	---	---	---	---	---	---	---	2	5
		---	---	---	---	---	---	---	576	---	---	---	---	---	---	---	---	---	---	---	---	---	3100	---	---	---	---	20	50
	November-2023	---	80.8	---	---	---	---	---	---	---	---	---	---	---	31.3	---	---	---	---	---	---	---	---	---	---	---	---	2	5
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	323	---	---	---	---	---	---	---	4	10
		---	---	---	---	1070	---	654	---	---	982	---	---	---	---	---	---	---	---	---	---	---	1960	---	---	---	1190	20	50
		---	---	---	870	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250
	December-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	932	---	---	---	---	---	---	---	---	8	20
		---	---	---	1330	---	---	---	---	---	---	---	---	---	---	---	---	---	---	463	---	---	---	---	---	---	---	20	50
	January-2024	---	---	1410	---	---	---	---	---	---	---	662	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2900	20	50
	February-2024	---	---	906	---	884	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	346	---	484	---	---	---	20	50
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	226	---	---	8910	20	50
		---	---	---	---	---	---	---	---	---	---	---	---	52.1	---	---	---	---	---	13.8	---	---	---	---	---	---	---	4	10
	April-2024	---	---	---	2040	---	---	---	---	---	---	---	---	---	---	---	---	---	3420	---	---	---	---	---	---	---	---	20	50
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	276	---	---	---	---	---	---	---	8	20
	May-2024	---	---	---	---	---	---	---	---	---	---	3080	---	---	---	---	---	---	---	---	---	144	818	---	---	---	2990	20	50
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	173	---	---	---	---	---	---	---	20	50
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50
	July-2024	---	---	---	---	---	---	---	---	---	---	1410	1820	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50
	August-2024	---	---	---	---	---	828	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50
	September-2024	---	---	---	960	---	727	---	---	---	---	---	---	---	---	---	---	---	2710	---	---	---	---	---	---	---	---	20	50
		306	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.4	1
	October-2024	---	429	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	5
		---	---	---	1200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50
	November-2024	119	512	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20
	December-2024	---	---	---	675	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3280	20	50
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50
		---	739	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20
	February-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50
		---	---	---	---	---	---	---	---	---	---	---	---	559000	---	---	---	---	---	---	---	---	---	---	---	---	---	24500	24500
	March-2025	---	157	---	---	---	---	---	---	---	---	---	1260	---	---	---	---	---	2350	---	---	---	---	---	---	---	---	20	50
	April-2025	---	---	---	---	---	---	---	---	---	---	---	938	---	---	---	---	---	1540	---	---	---	---	---	---	---	---	20	50
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	97.4	---	---	---	---	---	---	---	20	50	
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1930	20	50
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September-2025	---	747	---	---	---	---	---	---	---	---	---	406	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	100	
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November-2025	---	---	---	---	---	---	---	---	---	---	1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	100	
December-2025	---	---	---	---	---	---	---	---	---	---	---	---	193	---	---	---	---	---	---	---	---	---	---	---	---	---	40	100	
February-2026	---	1020	---	---	---	---	---	---	---	---	---	---	130	---	---	---	---	---	---	---	---	---	---	---	---	---	2.78	8	
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April-2026	---	---	---	---	---	---	932	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27.8	80	

Historical LFG-EW Leachate Monitoring Results Summary

Well ID	EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Parameter	Monitoring Event	Concentration																											
Ethylbenzene	December-2022	---	67.3	---	172	---	---	287	---	ND	48.5	---	---	---	---	108	27.4	---	---	---	---	---	---	---	---	4	10		
	November-2022	---	---	---	---	---	---	---	---	ND	---	194	---	---	16.2	---	---	---	---	---	---	---	---	---	---	4	10		
	January-2023	---	65.1	---	---	---	---	---	ND	93.9	---	---	---	---	20.8	---	---	---	---	---	---	---	---	---	---	4	10		
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	151	---	---	---	---	---	---	---	---	4	10		
	March-2023	---	---	---	---	---	---	---	131	71.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4	10		
	April-2023	---	---	---	---	---	---	---	186	---	43.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4	10		
	May-2023	---	124	---	---	---	---	---	---	276	144	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50		
	June-2023	---	---	---	---	---	---	---	---	104	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20		
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	July-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	666	4	10		
		---	128	---	---	---	---	---	---	---	---	---	---	---	---	---	---	82	---	---	---	---	---	---	---	---	8	20	
	August-2023	---	---	---	---	---	---	224	---	---	---	---	---	---	---	---	---	---	82	---	---	---	---	---	87.5	---	20	50	
		---	---	---	---	---	80	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16.8 J	8	20		
	September-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.8	---	---	---	---	---	---	---	8	20	
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	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34.8	---	---	---	---	---	---	---	2	5	
		---	---	---	---	---	---	42.5 J	---	---	---	---	---	---	---	---	---	---	---	---	---	247	---	---	---	---	20	50	
	November-2023	---	26.3	---	---	---	---	---	---	---	---	---	45.4	---	---	---	---	---	---	---	---	---	---	---	---	---	2	5	
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		---	---	---	---	62	---	54	---	---	76.5	---	---	---	---	---	---	---	---	---	---	224	---	---	60.5	---	20	50	
	December-2023	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250	
		---	---	---	69.5	---	---	---	---	---	---	---	---	---	---	---	---	---	46	---	---	---	---	---	---	---	8	20	
	January-2024	---	---	99	---	---	---	---	---	28 J	---	---	---	---	---	---	---	---	44 J	---	---	---	---	---	---	---	20	50	
	February-2024	---	---	51	---	43 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	31 J	---	41 J	---	---	---	20	50	
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25 J	---	---	---	710	20	50	
	April-2024	---	---	---	---	---	---	---	---	---	---	---	106	---	---	---	---	---	ND	---	---	---	---	---	---	---	4	10	
	May-2024	---	---	---	91.5	---	---	---	---	---	---	---	---	---	---	---	---	186	---	---	---	---	---	---	---	---	20	50	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	35.4	---	---	---	---	---	---	---	8	20	
	June-2024	---	---	---	---	---	---	---	---	---	146	---	---	---	---	---	---	---	---	---	ND	59	---	---	---	---	225	20	50
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	23.6	---	---	---	---	---	---	---	8	20	
	July-2024	---	---	---	---	---	---	---	---	---	76	118	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	142	20	50
	August-2024	---	---	---	---	---	27.5 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50	
	September-2024	---	---	---	46.5 J	---	44 J	---	---	---	---	---	---	---	---	---	---	192	---	---	---	---	---	---	---	---	20	50	
	October-2024	59.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.4	1	
		---	112	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	5	
	November-2024	---	---	---	62.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	76	---	---	---	---	---	---	20	50	
		14.4 J	135	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20	
	December-2024	---	---	---	52.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50	
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	54.5	---	---	---	---	---	20	50	
	February-2025	---	164	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20	
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March-2025	---	61.5	---	---	---	---	---	---	---	---	168	2090000	---	---	---	---	---	---	---	---	---	---	---	---	---	24500	24500		
April-2025	---	---	---	---	---	---	---	---	---	---	52.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50		
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June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	29.2	---	---	---	---	---	---	---	8	20		
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50		
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50		
September-2025	---	64 J	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	40	100		
October-2025	---	24.4	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	8	20		
November-2025	---	---	---	---	---	---	---	---	---	159	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	100		
December-2025	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	40	100		
February-2026	---	112	---	---	---	---	---	---	---	---	16.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.02	8		
April-2026	---	---	---	---	---	---	---	---	---	65	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	15.1	40		
	---	---	---	---	---	---	58 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30.2	80		

Historical LFG-EW Leachate Monitoring Results Summary

Well ID	EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Parameter	Monitoring Event	Concentration																											
Tetrahydrofuran	November-2022	---	---	---	---	---	---	---	---	309	---	---	---	---	176	---	---	---	---	---	---	---	---	---	---	---	100	100	
	December-2022	---	151	---	---	---	---	---	---	170	1120	---	---	---	---	---	663	---	---	---	---	---	---	---	---	---	1000	1000	
	January-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	100		
	February-2023	---	183	---	5210	---	---	---	19800	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1000	1000	
	March-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	100		
	April-2023	---	---	---	---	---	---	---	---	2410	4790	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	100	
	May-2023	---	ND	---	---	---	---	---	---	2740	2380	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	500	
	June-2023	---	---	---	---	---	---	---	---	---	2100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	200	
	July-2023	---	---	---	---	---	---	---	---	---	---	7320	---	6670	---	---	---	---	---	---	---	---	---	---	---	---	500	500	
	August-2023	---	411	---	---	---	---	---	8380	---	---	---	---	---	---	---	---	---	616	---	---	---	---	---	---	---	200	200	
	September-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	500	
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	200	
	November-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	500	
	December-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	50	
	January-2024	---	199	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	500	
	February-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	50	
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	100	
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	500
	May-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	200
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	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	200
	August-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	500
	September-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	500
	October-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	10
	November-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	50
	December-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	500
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	200
	February-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	500
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	April-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	500
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	500
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	200
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2000	2000
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	October-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	200
	November-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1000	1000
	December-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1000	1000
	February-2026	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	15.1	20
	April-2026	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	75.4	100
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Historical LFG-EW Leachate Monitoring Results Summary

Well ID		EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ		
Parameter	Monitoring Event	Concentration																												
Toluene	November-2022	---	---	---	---	---	---	---	---	---	ND	---	214	---	---	32.8	---	---	---	---	---	---	---	---	---	---	5	10		
	December-2022	---	122	---	175	---	---	---	195	---	ND	113	---	---	---	---	113	48.3	---	---	---	---	---	---	---	---	5	10		
	January-2023	---	122	---	---	---	---	---	---	8 J	139	---	---	---	---	---	35.3	---	---	---	---	---	---	---	---	---	5	10		
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	224	---	---	---	---	---	---	---	---	5	10		
	March-2023	---	---	---	---	---	---	---	---	182	98.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5	10		
	April-2023	---	---	---	---	---	---	---	---	303	---	94.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5	10		
	May-2023	---	258	---	---	---	---	---	---	371	239	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	50		
	June-2023	---	---	---	---	---	---	---	---	---	165	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	20		
		---	---	---	---	---	---	---	---	---	---	67	---	212	---	---	---	---	---	---	---	---	---	---	---	---	25	50		
	July-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	965	5	10		
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	August-2023	---	---	---	---	---	---	---	---	218	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	118	---	25	50	
		---	---	---	---	---	---	105	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	10	20	
	September-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40.6	---	---	---	---	---	---	---	25	50	
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	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	59.2	---	---	---	---	---	---	---	2.5	5	
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	November-2023	---	47.3	---	---	---	---	---	---	---	---	---	---	---	50.4	---	---	---	---	---	---	---	---	---	---	---	---	2.5	5	
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		---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	125	250	
	December-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	73.2	---	---	---	---	---	---	---	---	10	20	
		---	---	---	83.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	74.5	---	---	---	---	---	---	---	25	50	
	January-2024	---	---	95.5	---	---	---	---	---	---	60	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	50	
	February-2024	---	---	49 J	---	37 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	30.5 J	---	---	---	25	50	
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	50	
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	April-2024	---	---	---	104	---	---	---	---	---	---	---	---	---	---	---	---	---	263	---	---	---	---	---	---	---	---	25	50	
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	May-2024	---	---	---	---	---	---	---	---	---	---	180	---	---	---	---	---	---	---	---	---	---	ND	62.5	---	---	---	25	50	
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	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	50	
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	July-2024	---	---	---	---	---	---	---	---	---	97	125	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	50	
	August-2024	---	---	---	---	---	35 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	50	
	September-2024	---	---	---	80	---	63.5	---	---	---	---	---	---	---	---	---	---	---	226	---	---	---	---	---	---	---	---	25	50	
	October-2024	55.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.5	1	
		---	173	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.5	5	
	November-2024	---	---	---	65.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	50
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March-2025	---	90.5	---	---	---	---	---	---	---	---	---	150	---	---	---	---	---	166	---	---	---	---	---	---	---	---	25	50		
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February-2026	---	141	---	---	---	---	---	---	---	---	---	---	13.4	---	---	---	---	---	---	---	---	---	---	---	---	---	3.2	8		
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April-2026	---	---	---	---	---	---	62 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32	80		
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Historical LFG-EW Leachate Monitoring Results Summary

Well ID		EW-36A	EW-50	EW-51	EW-52	EW-53	EW-54	EW-55	EW-57	EW-58	EW-59	EW-60	EW-61	EW-62	EW-64	EW-65	EW-67	EW-68	EW-78	EW-82	EW-85	EW-87	EW-88	EW-89	EW-94	EW-98	LOD	LOQ	
Parameter	Monitoring Event	Concentration																											
Xylenes, Total	November-2022	---	---	---	---	---	---	---	---	---	ND	---	185	---	---	37.8	---	---	---	---	---	---	---	---	---	---	10	30	
	December-2022	---	161	---	222	---	---	---	---	---	186	---	ND	112	---	---	---	197	59.9	---	---	---	---	---	---	---	10	30	
	January-2023	---	138	---	---	---	---	---	---	---	---	ND	134	---	---	---	---	38.1	---	---	---	---	---	---	---	---	10	30	
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	May-2023	---	274	---	---	---	---	---	---	---	441	230	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150	
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	August-2023	---	---	---	---	---	---	---	---	230	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
		---	---	---	---	---	---	180	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	20	60
	September-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	50	150
		---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	750
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30.6	---	---	---	---	---	---	---	5	15
		---	---	---	---	---	---	---	134 J	---	---	---	---	---	---	---	---	---	---	---	---	---	328	---	---	---	---	50	150
	November-2023	---	56	---	---	---	---	---	---	---	---	---	---	---	48	---	---	---	---	---	---	---	---	---	---	---	---	5	15
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25.3 J	---	---	---	---	---	---	---	10	30
		---	---	---	---	116 J	---	104 J	---	---	---	132 J	---	---	---	---	---	---	---	---	---	---	306	---	---	---	138 J	50	150
	December-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	750
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	167	---	---	---	---	---	---	---	20	60
	January-2024	---	---	---	224	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	50	150
	February-2024	---	---	142 J	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	534	50	150
	March-2024	---	---	63 J	---	59 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	ND	---	---	50	150
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
		---	---	---	140 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	10	30
	May-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	31.6 J	---	---	---	---	---	---	20	60
	June-2024	---	---	---	---	---	---	---	---	---	---	223	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	60
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
	August-2024	---	---	---	---	---	---	---	---	---	---	125 J	157	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
	September-2024	---	---	---	90.5 J	---	72.5 J	120 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
	October-2024	---	54.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	3
		---	---	201	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5	15
	November-2024	---	---	---	144 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	75.5 J	---	---	---	---	---	---	50	150
	December-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	60
	January-2025	---	---	---	98.5 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
	February-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	60
		---	267	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
	March-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24500	24500
	April-2025	---	108 J	---	---	---	---	---	---	---	---	---	386	4260000	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
	May-2025	---	---	---	---	---	---	---	---	---	---	---	87.5 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	29.6 J	---	---	---	---	---	---	20	60
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
	September-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
October-2025	---	163 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	300	
November-2025	---	62.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	60	
December-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	300	
February-2026	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.76	60	
April-2026	---	193	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	43.8	300	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	87.6	600	

J = Parameter was detected at a concentration greater than the laboratory's LOD, but less than the laboratory's LOQ. Concentration is considered estimated.

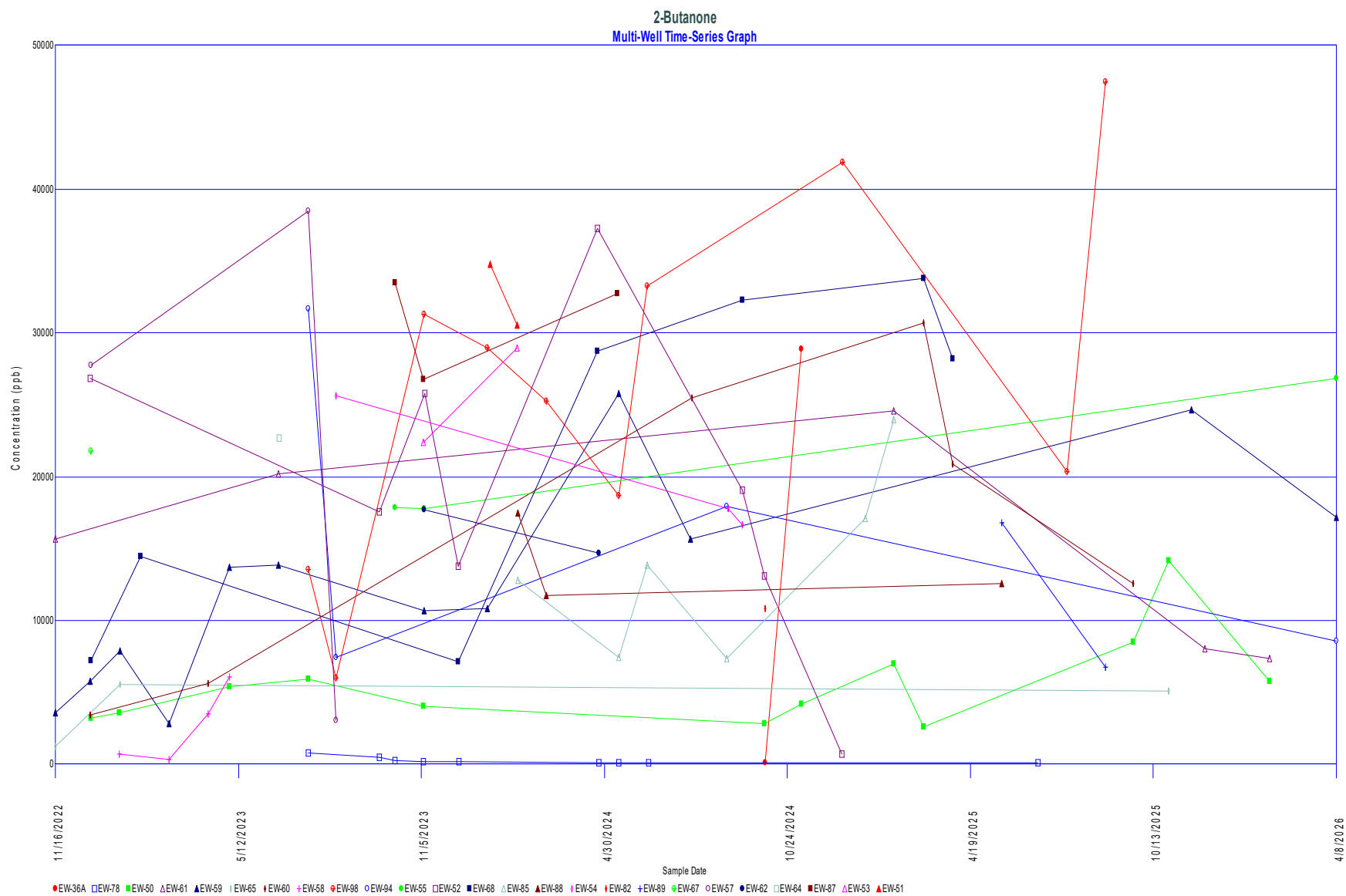
LOD = laboratory's Limit of Detection

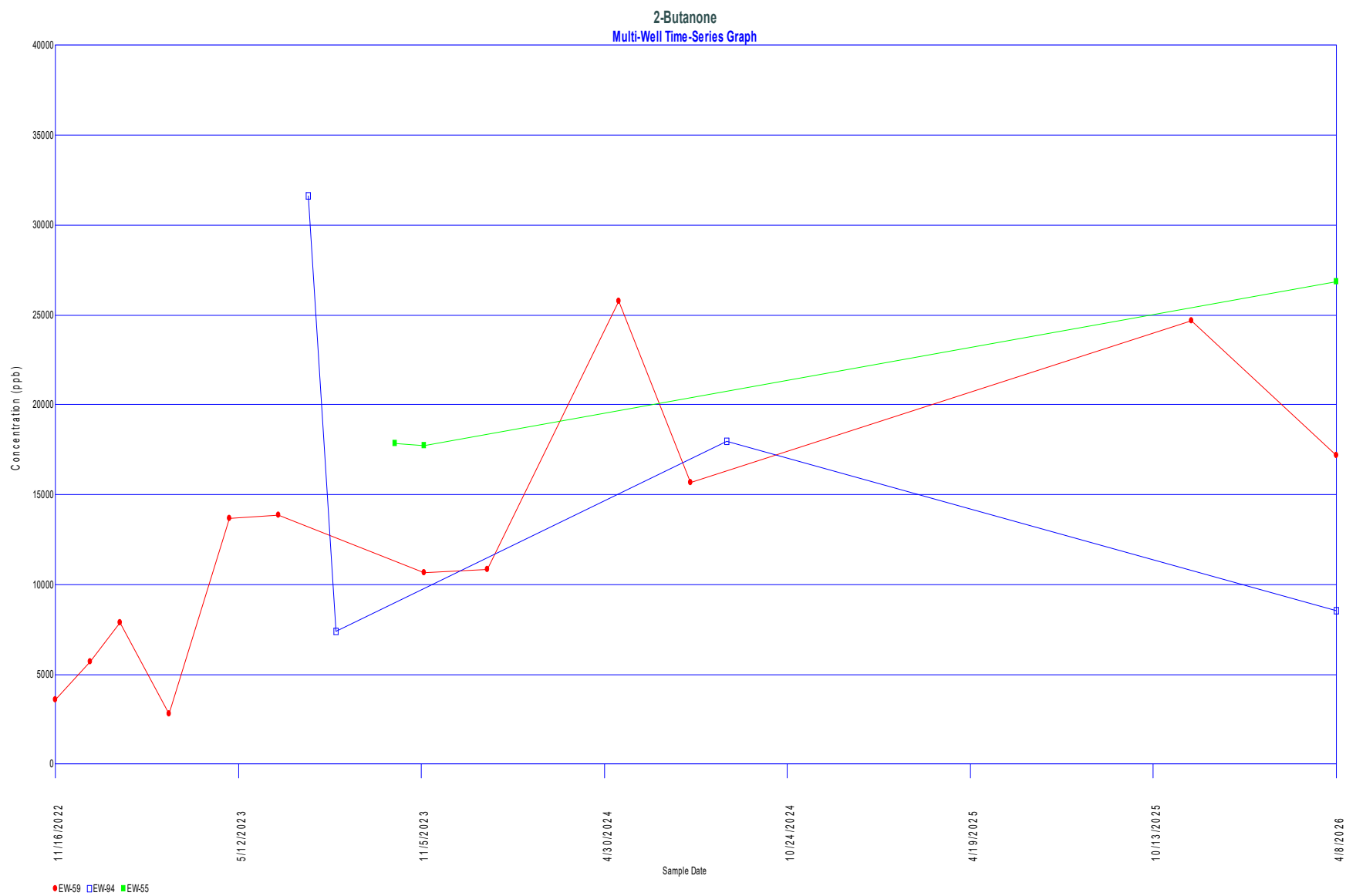
LOQ = laboratory's Limit of Quantitation

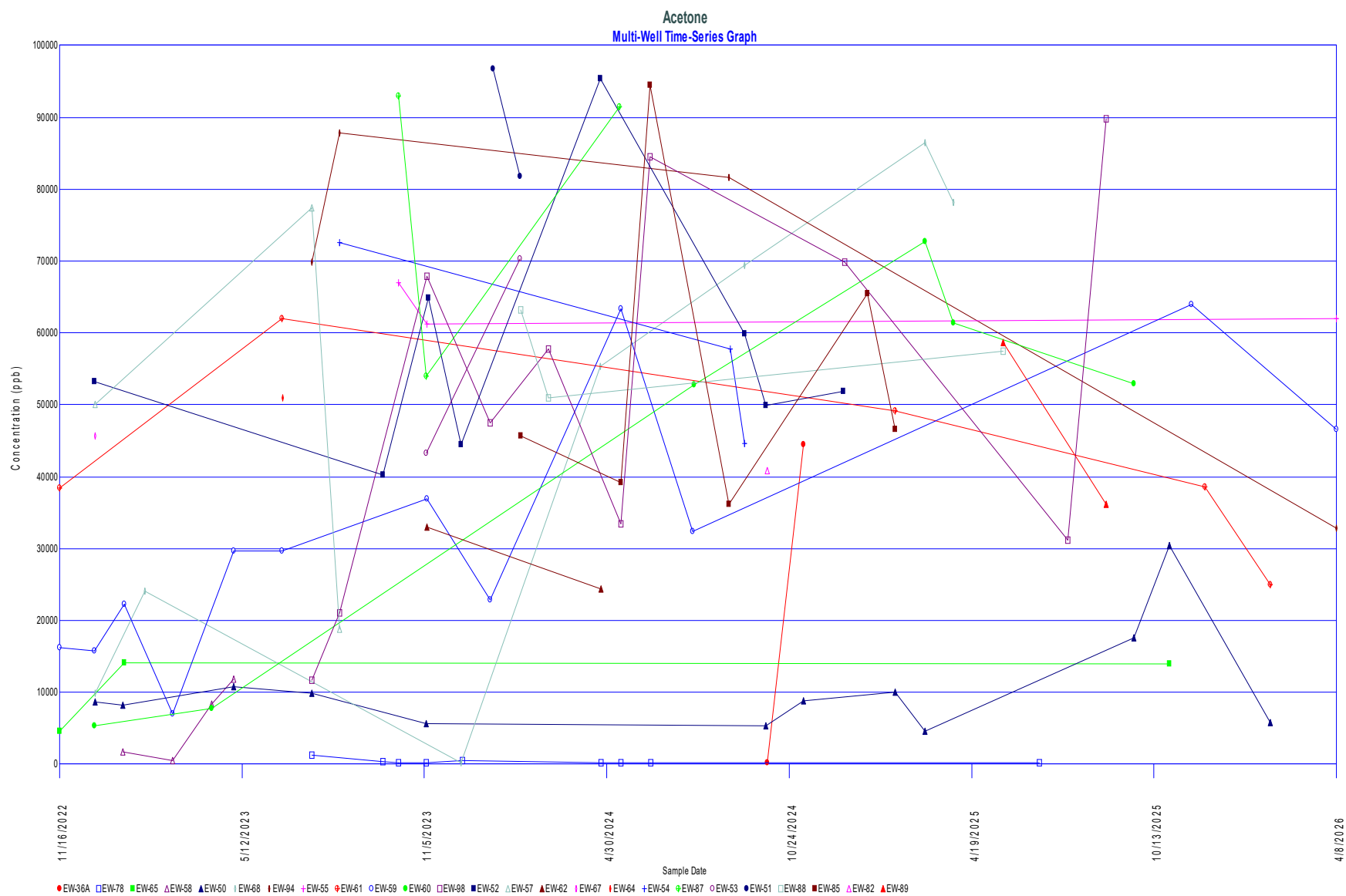
mg/L = milligrams per liter

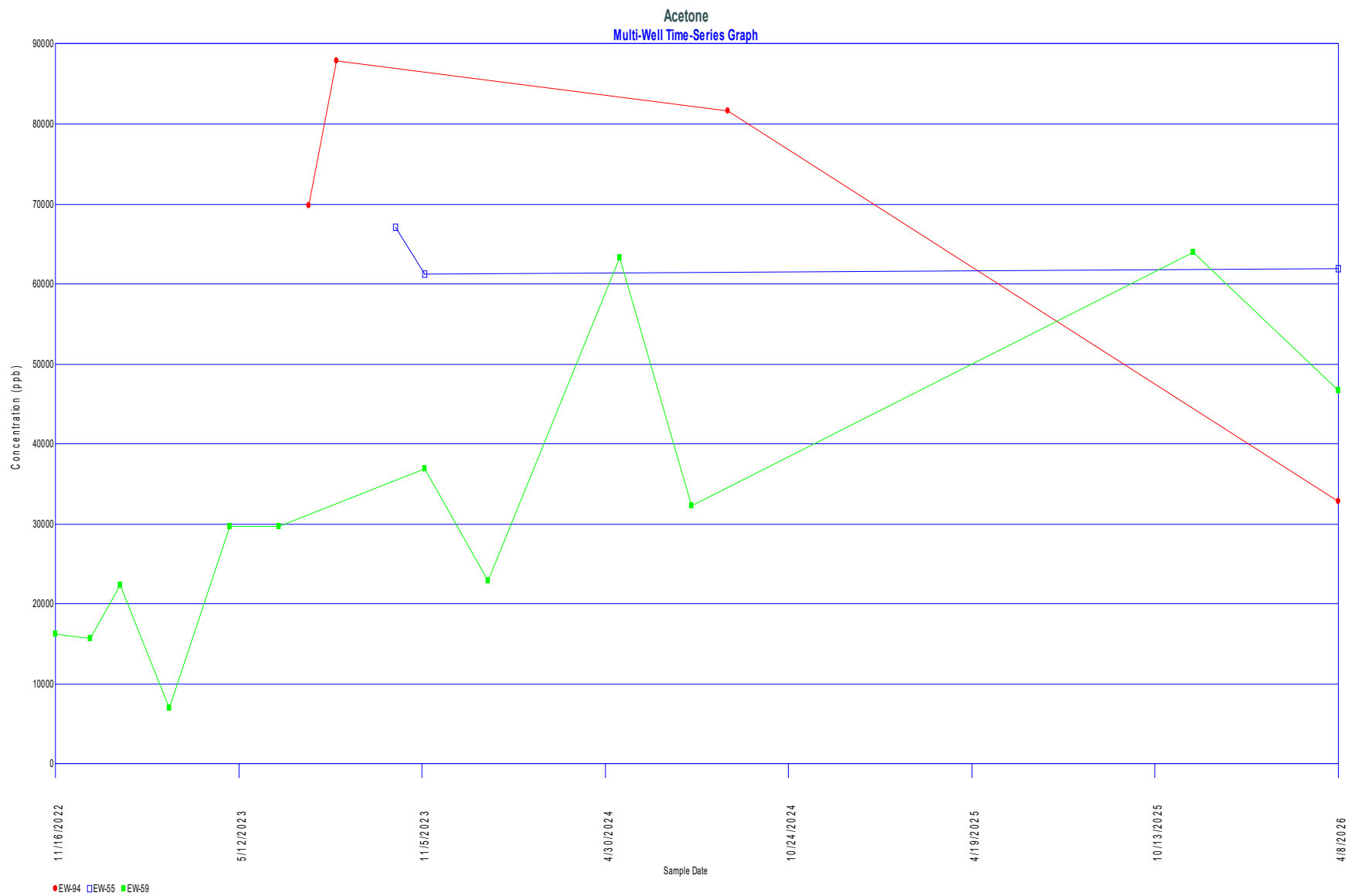
ND = Not Detected

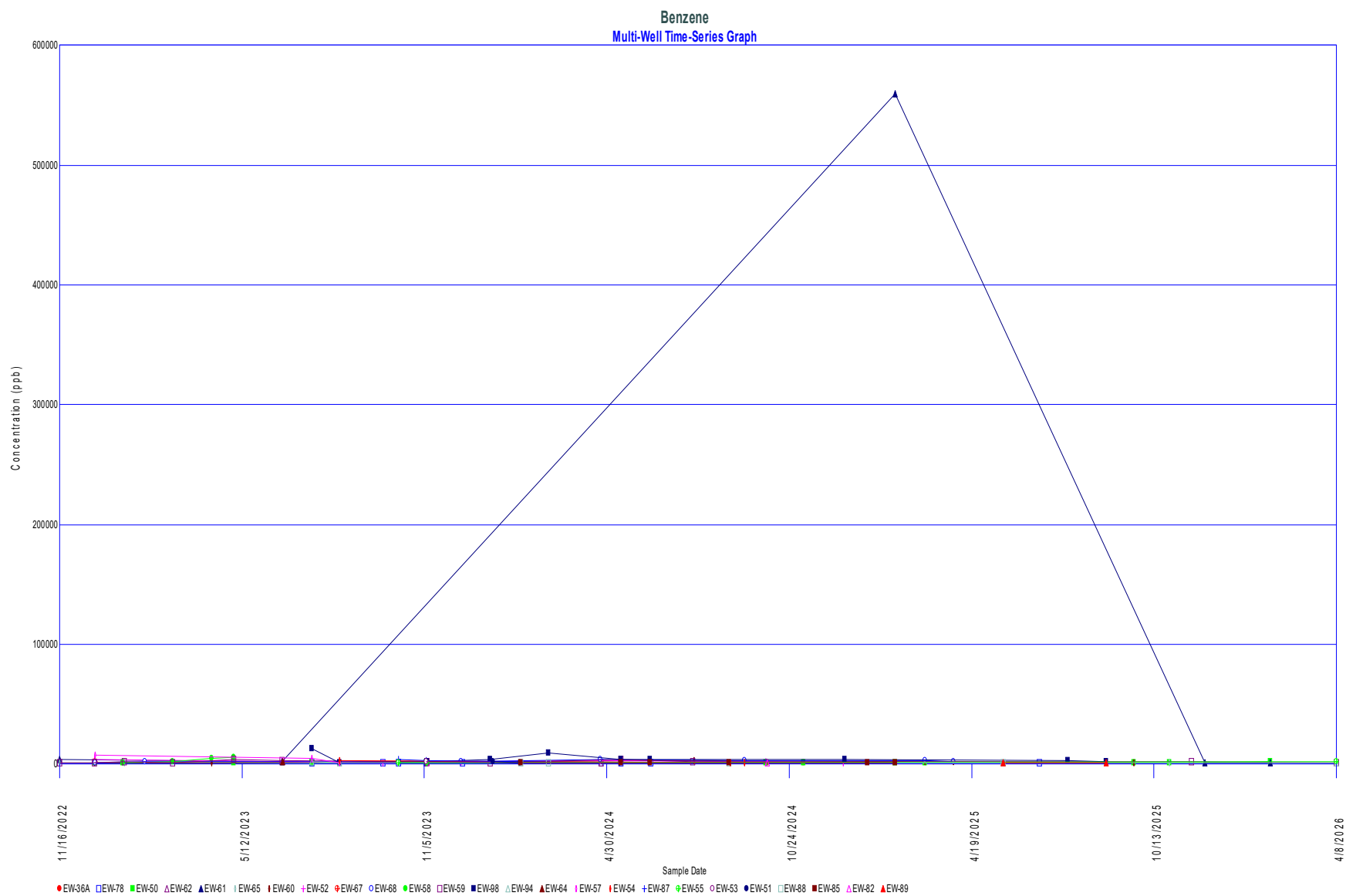
ug/L = micrograms per liter

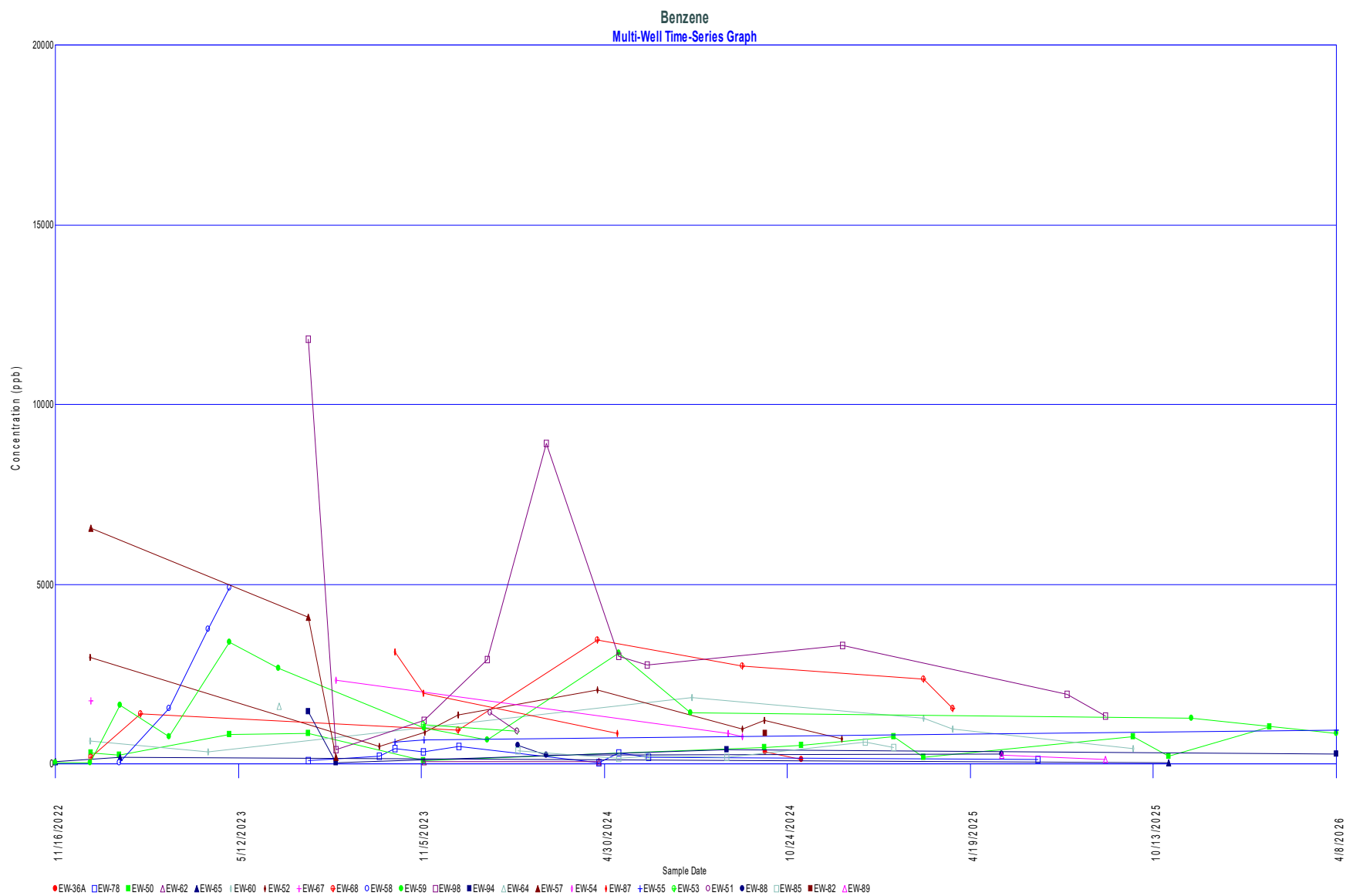


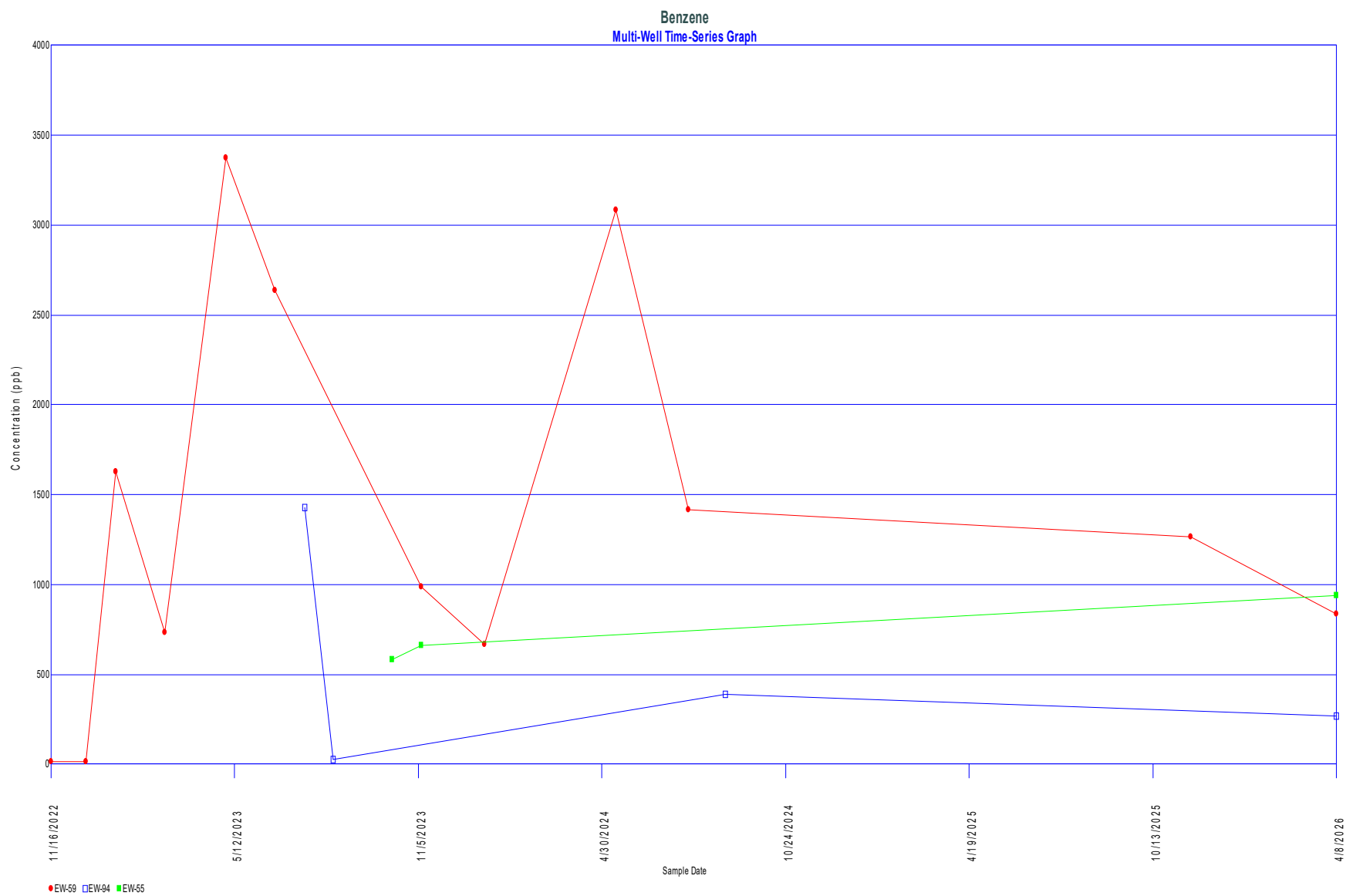


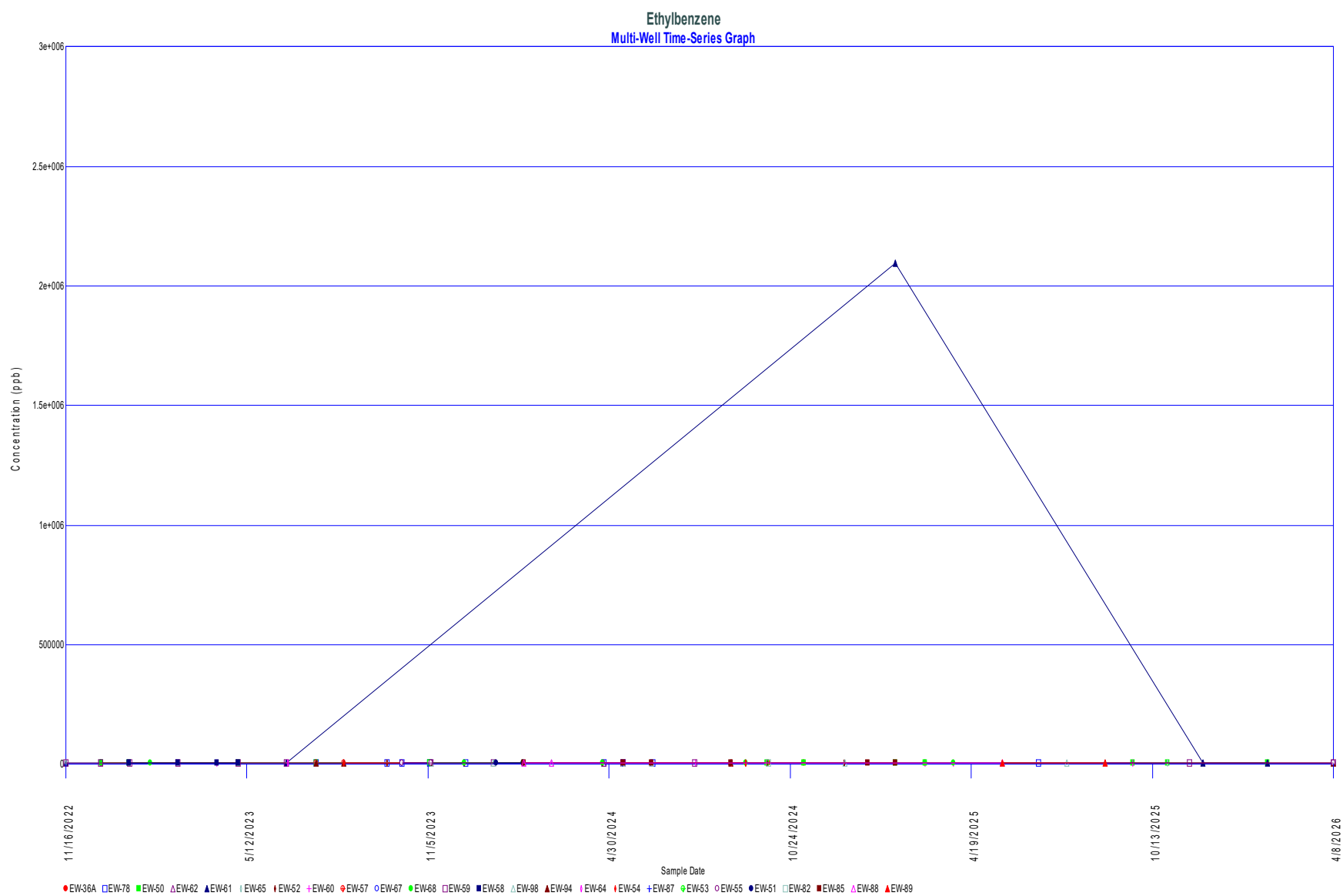


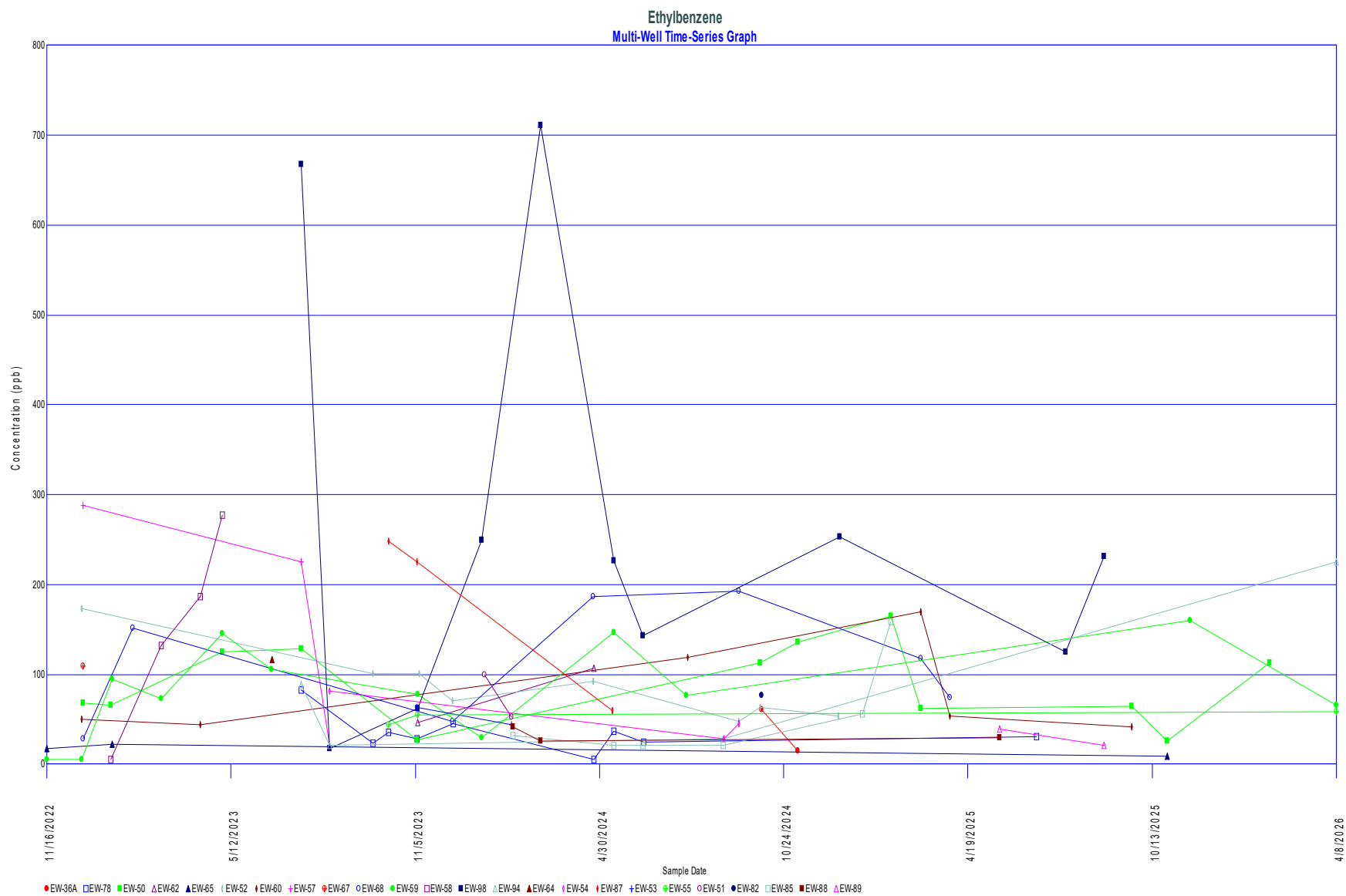


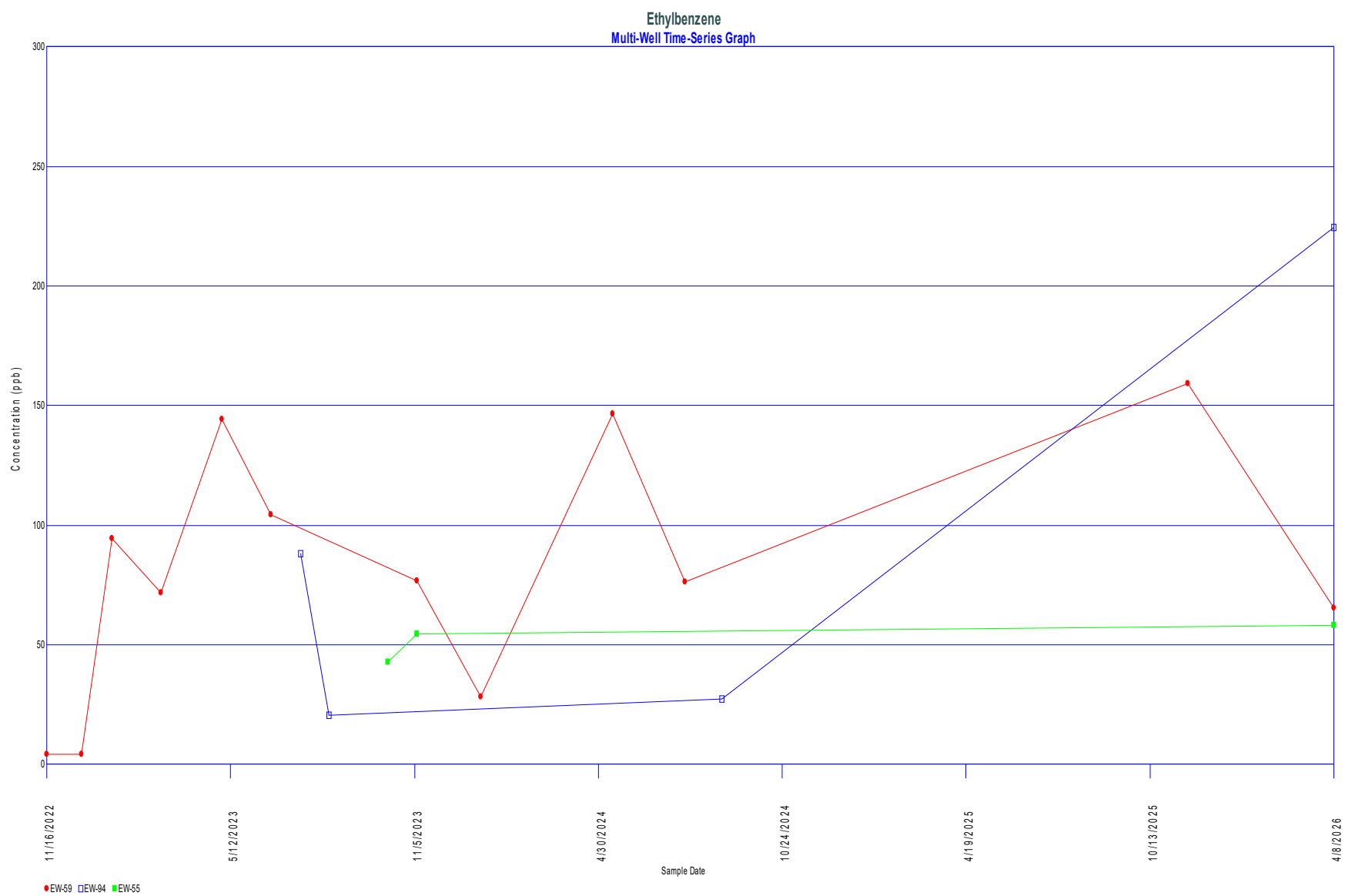


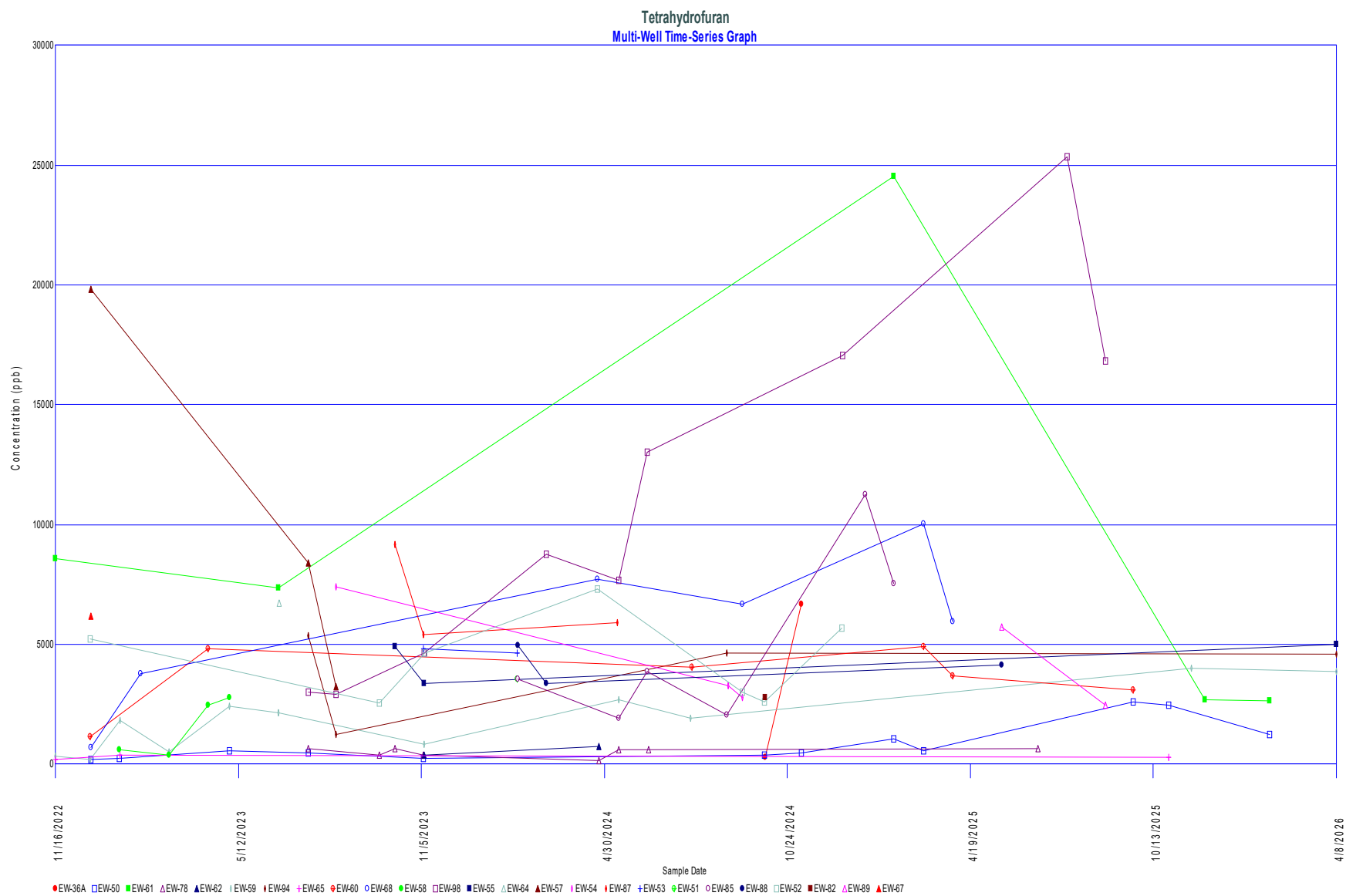


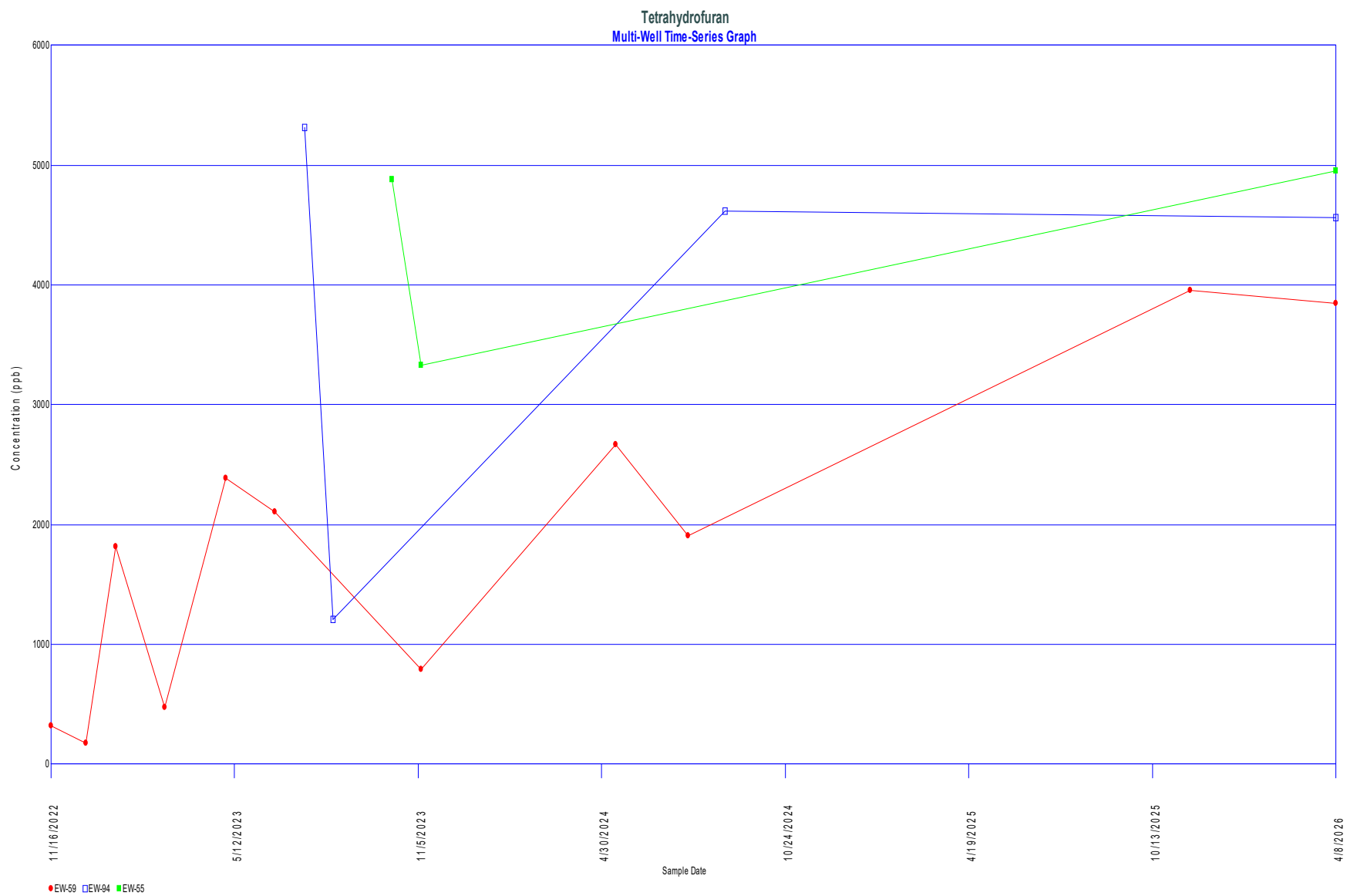


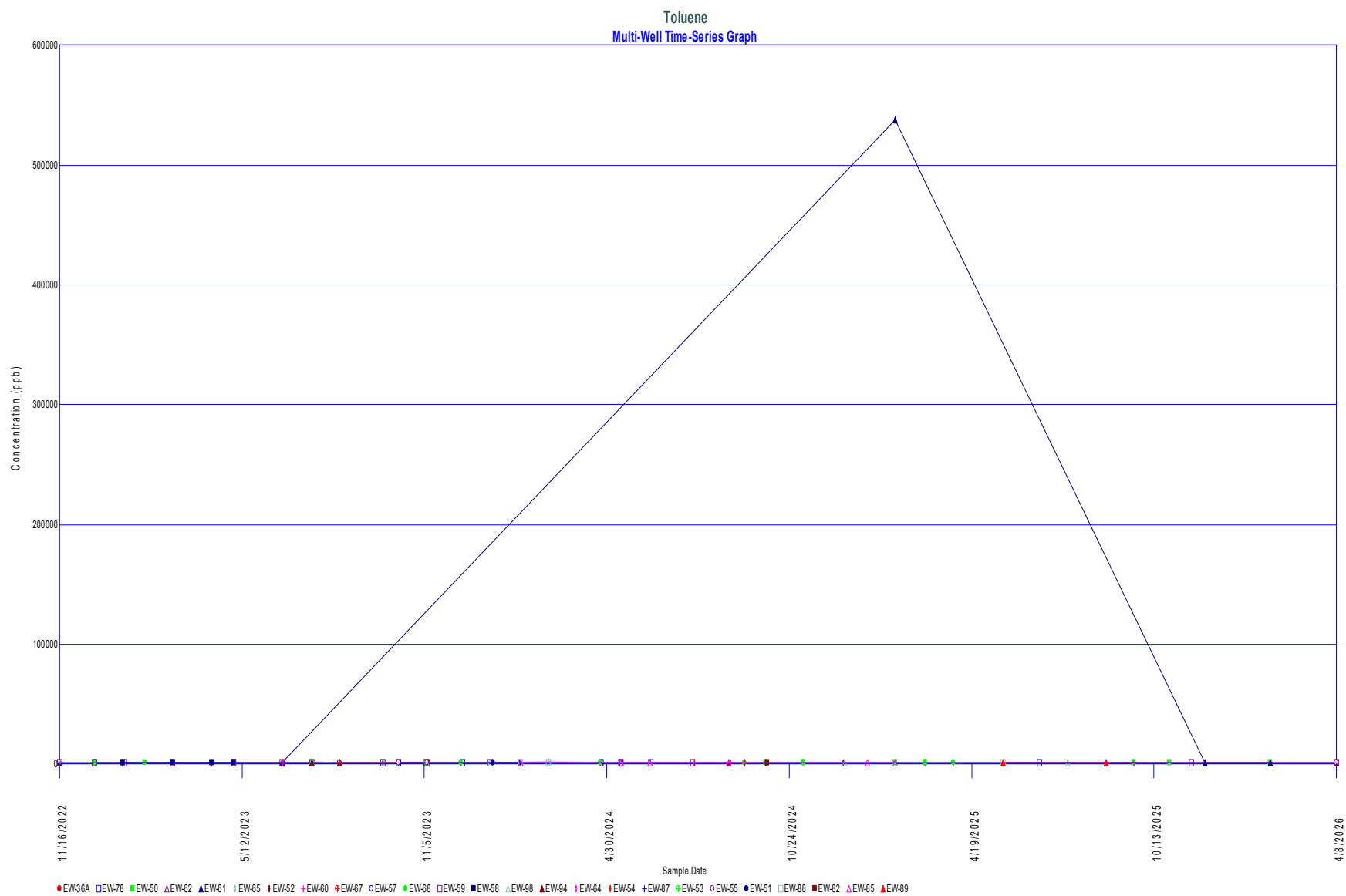


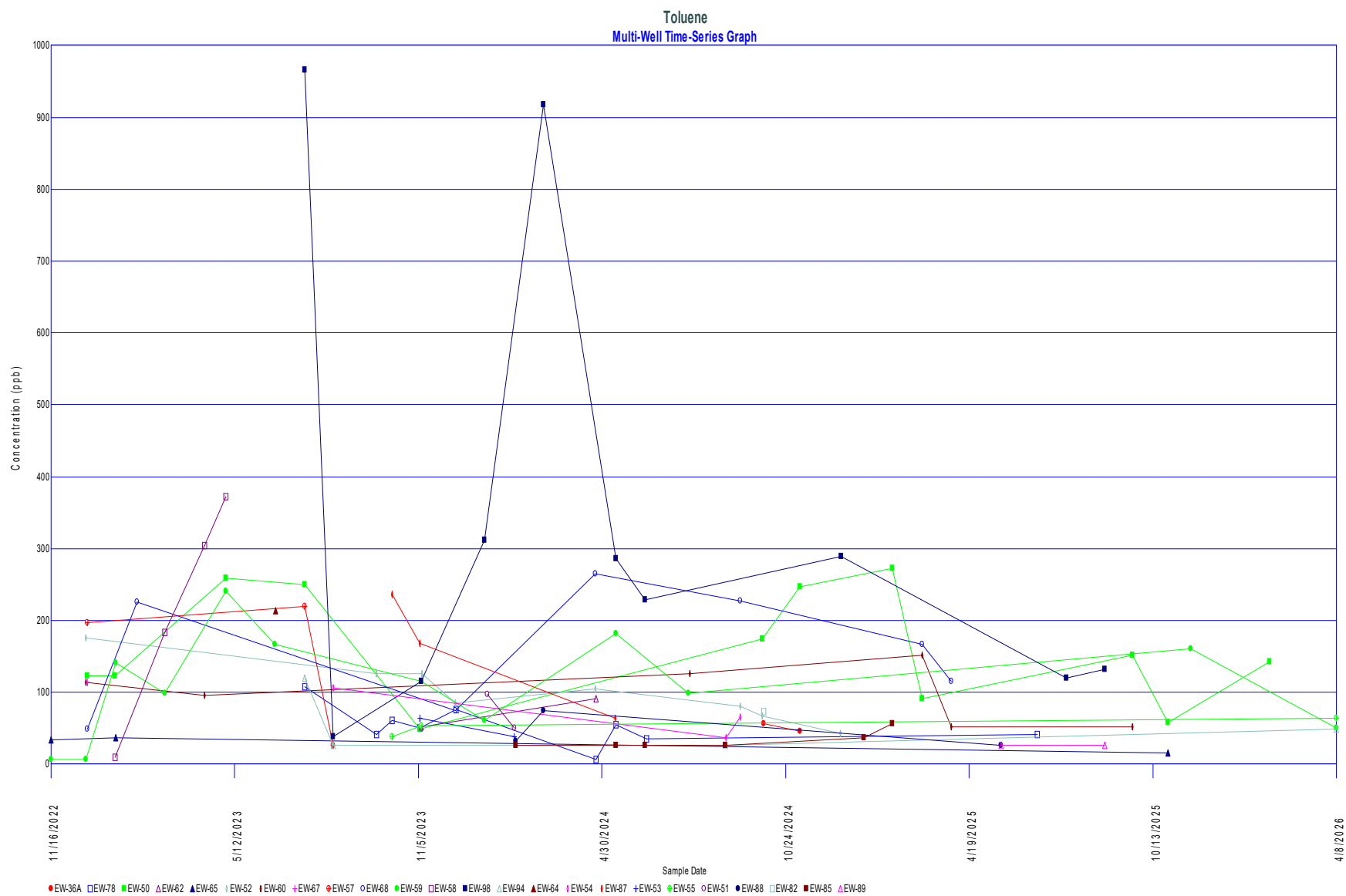


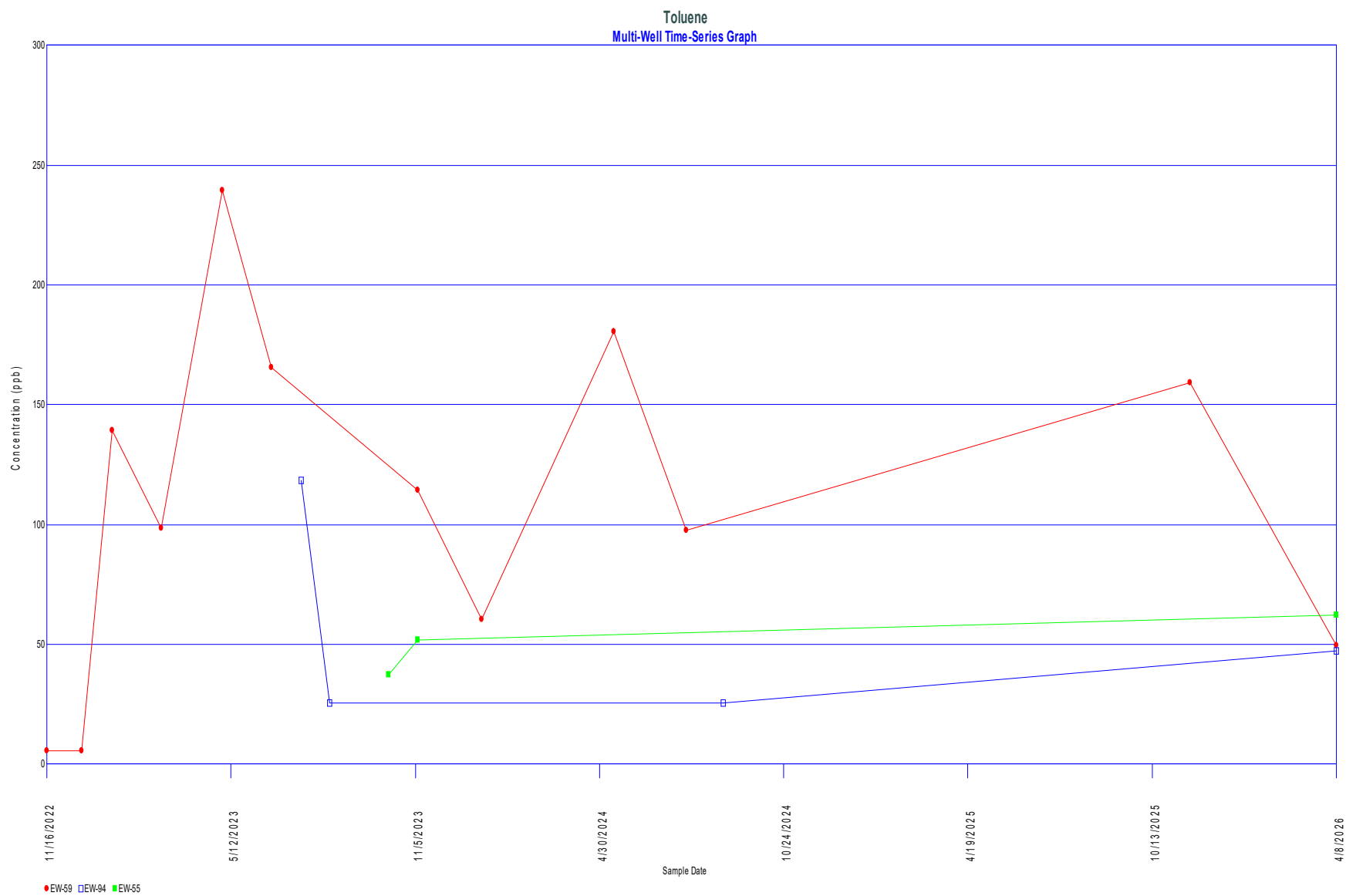


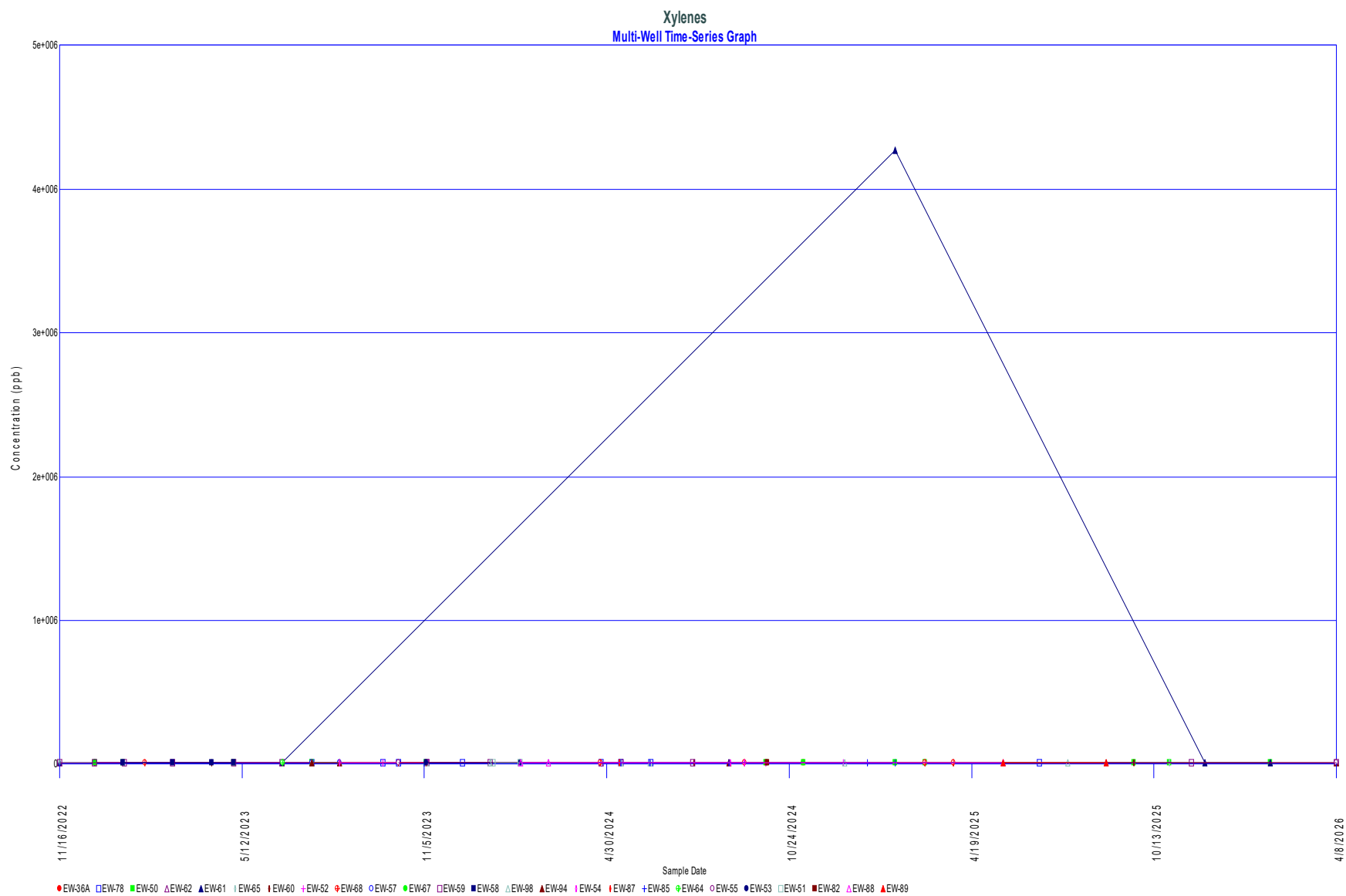


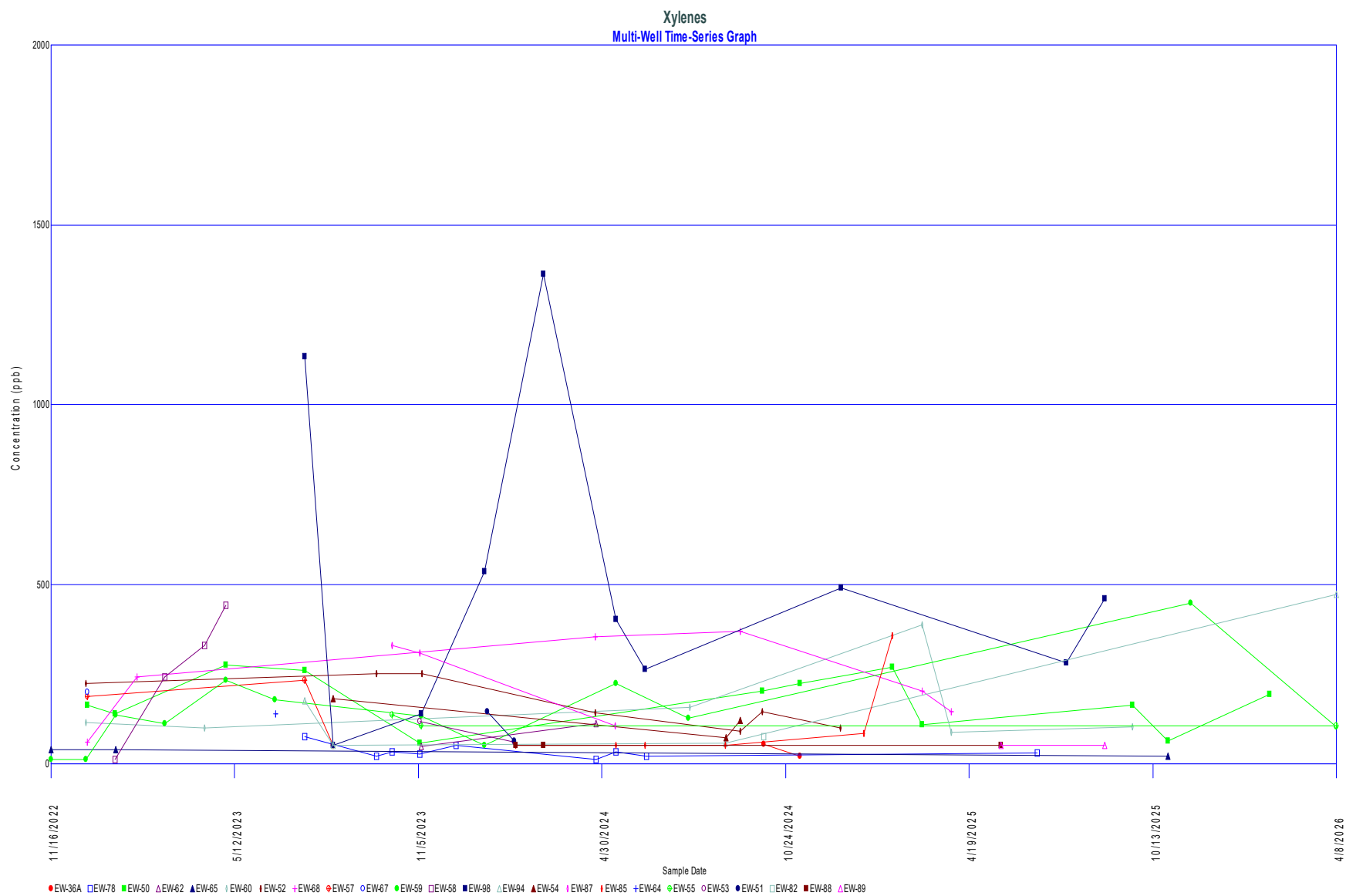


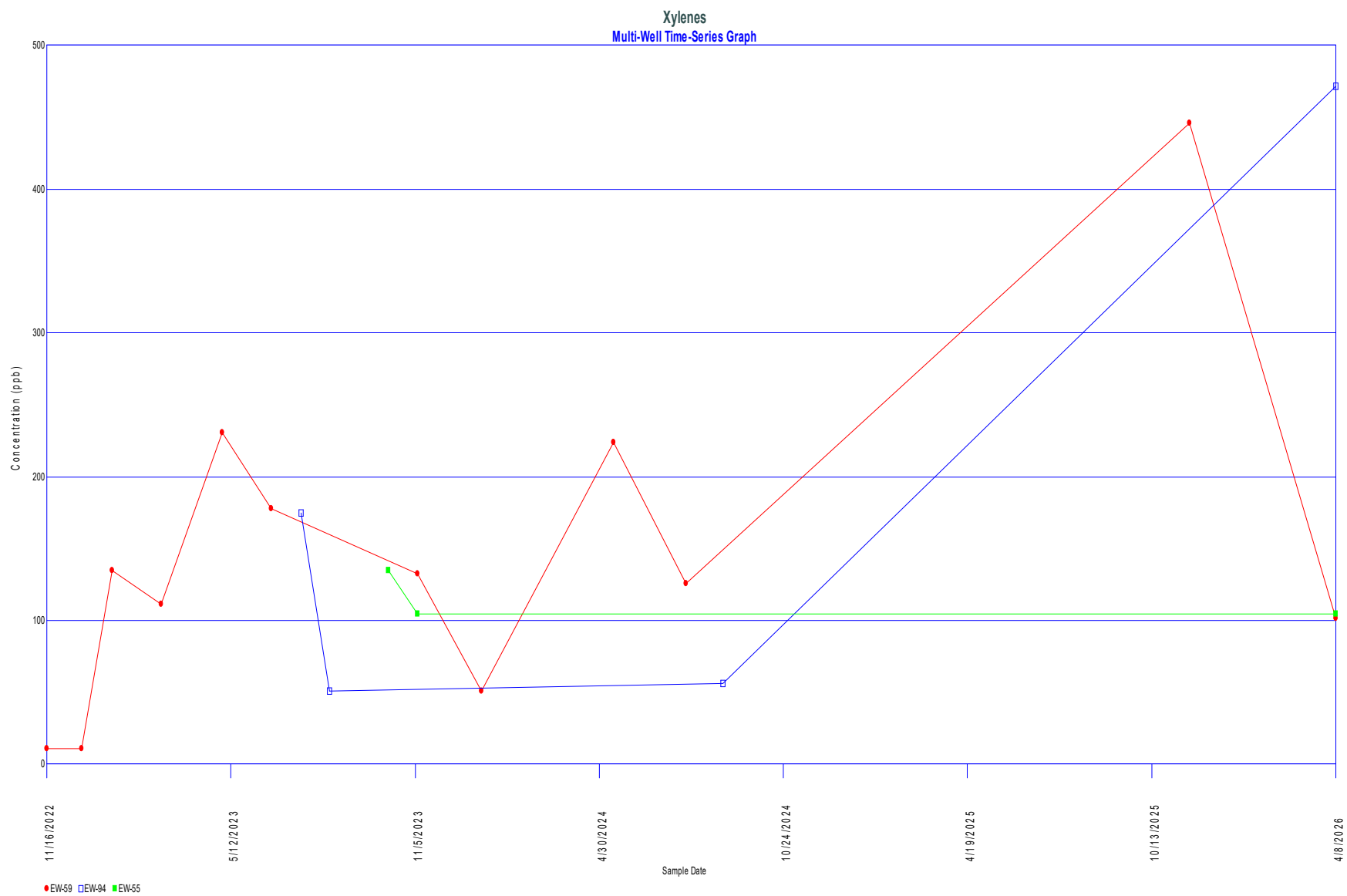














Appendix G

LFG Dewatering Pump Stroke Counter Data Analysis

Stroke Counter Data Analysis

During the monthly liquid depth measurement event and during LFG monitoring, SCS collected stroke counter data from the pumps installed in the GCCS extraction wells. These stroke counts were collected from 21 wells from April 1, to May 1, 2026. The recorded stroke count data from each well during March is included in **Table G-1**.

Based on the number of strokes in each well, SCS can estimate the number of gallons of liquid pumped from each well to assess pump performance. SCS assumed that each stroke from a float-style pneumatic pump correlates to approximately 0.3 gallons of liquid removed from the well. Blackhawk piston-style pumps remove approximately 0.11 gallons per stroke.

Table G-1 Summary of Dual Extraction Well Pump Stroke Counter Data

Well	4/1/2026	5/1/2026	# of strokes between measurements	Estimated liquid removed (gallons)
EW36A			-	0
EW49	150805	158973	8,168	2,450
EW50	1721944	1728696	6,752	2,026
EW52	1435455	1530640	95,185	28,556
EW53			-	0
EW54		858968	1,652	496
EW55	73387	149047	75,660	0
EW59	3976220	4020901	44,681	13,404
EW60	425533	444147	18,614	5,584
EW61	309071	324723	15,652	4,696
EW62	251485	259709	8,224	2,467
EW65	236643	252671	16,028	4,808
EW66	721621	903024	181,403	54,421
EW67		141763	7,465	2,240
EW68	2694300	2724428	30,128	9,038
EW76			-	0
EW78	437854	485272	47,418	14,225
EW82			-	0
EW85	390806	392668	1,862	559
EW87	340749	340749	-	0
EW88	483881	490436	6,555	1,967
EW89	835522	835522	-	0
EW93	289405	1409957	-	0
EW94	1951024	1993412	42,388	12,716
EW98	3190963	3251210	60,247	18,074
TP-4	27696	27713	17	0
Total Estimated Liquid Removal				177,732