



September 2025 Monthly Compliance Report

Solid Waste Permit No. 588
Bristol Integrated Solid Waste Management Facility
2655 Valley Drive
Bristol, VA 24201
(276) 645-7233

SCS ENGINEERS

02218208.05-44 | October 10, 2025

15521 Midlothian Turnpike Suite 305
Midlothian, VA 23113
804-378-7440

Table of Contents

Section	Page
Introduction	4
1.0 Gas Collection.....	4
1.1 Surface and Leachate Collection Emissions	4
1.1.1 Surface Emissions.....	4
1.1.2 Monitoring of Leachate Collection Components	5
1.2 Existing Gas Extraction System Performance.....	6
1.3 Remote Monitoring System	7
1.3.1 Automated Wellhead Temperature Measurements.....	7
1.3.2 Comparison with Manual Temperature Measurements	9
1.3.3 Monthly Regulatory Wellhead Temperature Measurements.....	10
1.3.4 LFG Sampling	10
2.0 Sidewall Odor Mitigation	11
2.1 Perimeter Gas Collection System	11
2.2 Sidewall Odor Mitigation System.....	11
2.3 Pilot System Construction	11
2.4 Full System Construction	12
3.0 Waste Temperature Monitoring	12
3.1 Summary of Waste Temperature Monitoring	12
3.1.1 Operational Challenges.....	14
3.1.2 Temperature Profiles	14
4.0 Leachate Extraction and Monitoring.....	21
4.1 Dewatering Pump Operations and Maintenance	21
4.1.1 Total LFG Liquids Removal	21
4.1.2 LFG Liquids Pump Operations and Maintenance	21
4.2 Sampling and Analysis Plan.....	23
4.2.1 Sample Collection	23
4.2.2 Quality Assurance and Quality Control.....	24
4.2.3 Data Validation	25
4.2.4 Laboratory Analytical Results	25
5.0 Settlement Monitoring and Management	27
5.1 Settlement Monitoring and Management Plan	27
5.2 Monthly Surveys	27
5.2.1 Topographic Data Collection	27

Table of Contents

Section	Page
5.2.2 Settlement Plate Surveys	32
6.0 Intermediate Cover and EVOH Cover System	35
6.1 Intermediate Cover Installation	35
6.2 EVOH Cover System Design	35
6.3 EVOH Cover System Procurement	36
6.4 EVOH Cover System Installation	36
7.0 Stormwater Management	36
8.0 Miscellaneous	36
8.1 Cease Waste Acceptance	36
8.2 Long-Term Plan	36
8.3 Monthly Compliance Reports	36
8.4 Community Outreach Program	36
Stroke Counter Data Analysis	2

Figures

Figure 1.	Monthly Average Automated Wellhead Temperatures	8
Figure 2.	Automated vs. Manual Temperature Measurements	9
Figure 3.	CO vs H ₂ Concentration from gas wells in September 2025 with historical trend	11
Figure 4.	Temperature Monitoring Probe Locations	13
Figure 5.	TP-1 Average Temperatures for the Months of March 2023, March 2024, March 2025, August 2025, and September 2025	15
Figure 6.	TP-5 Average Temperatures for the Months of March 2023, April 2024, March 2025, August 2025, and September 2025	16
Figure 7.	TP-6 Average Temperatures for the Months of March 2023, March 2024, March 2025, August 2025, and September 2025	17
Figure 8.	TP-7 Average Temperatures for the Months of March 2023, March 2024, March 2025, August 2025, and September 2025	18
Figure 9.	TP-8 Average Temperatures for the Months of March 2023, March 2024, March 2025, August 2025, and September 2025	19
Figure 10.	TP-9 Average Temperatures for the Months of March 2023, March 2024, March 2025, August 2025, and September 2025	20
Figure 11.	Total Dewatering Liquid Removal	21
Figure 12.	Aerial Photo of the SWP No. 588 Landfill	28
Figure 13.	1-Month Elevation Change Map	29
Figure 14.	3-Month Elevation Change Map	30
Figure 15.	1-Year Elevation Change Map	31
Figure 16.	Settlement Plate Locations	33
Figure 17.	Elevation Change of Select Settlement Plates Over Time	35

Table of Contents

Section	Page
Tables	
Table 1. Summary of September Surface Emissions Monitoring.....	4
Table 2. Leachate Cleanout Pipe Monitoring Results	5
Table 3. September Temperature Exceedance Summary	10
Table 4. LFG Wellhead Sampling Summary.....	10
Table 5. Average SOMS Gas Composition	12
Table 6. Summary Wells Unable to be Sampled for Leachate	23
Table 7. Quality Control Blank Detection Summary	25
Table 8. Monthly LFG-EW Leachate Monitoring Event Summary	25
Table 9. Elevation and Strain Data at Settlement Plate Locations	34

Appendices

Appendix A	Surface Emissions Monitoring Summary
Appendix B	In-Waste Temperatures on Select Days in September
Appendix C	Daily Wellhead Temperature Averages
Appendix D	Solid Waste Permit 588 Daily Borehole Temperature Averages
Appendix E	Monthly Topography Analysis
Appendix F	Field Logs
Appendix G	LFG Dewatering Pump Stroke Data Analysis

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 September 2025 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 September 5, 2025; September 12, 2025; September 19, 2025; and September 26, 2025. 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 September Surface Emissions Monitoring

Description	September 5, 2025	September 12, 2025	September 19, 2025	September 26, 2025
Number of Points Sampled	166	166	165	166
Number of Points in Serpentine Route	100	100	99	100
Number of Points at Surface Cover Penetrations	66	66	66	66
Number of Exceedances	10	4	3	2
Number of Serpentine Exceedances	0	0	0	0
Number of Pipe Penetration Exceedances	10	4	3	2

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

- An initial pipe penetration exceedance was recorded at EW-87. Monitoring of this well during a follow-up event did not result in an exceedance.
- An initial pipe penetration exceedance was recorded at EW-86. Monitoring of this well during a follow-up event did not result in an exceedance.
- An initial pipe penetration exceedance was recorded at EW-91. Monitoring of this well during a follow-up event did not result in an exceedance.
- An initial pipe penetration exceedance was recorded at EW-57. Monitoring of this well during a follow-up event did not result in an exceedance.
- In response to an initial pipe penetration exceedance at EW-52, SCS-FS performed field investigations and identified low available vacuum at EW-52. SCS-FS plans to conduct further field investigations on the low available vacuum during the week of October 13, 2025.
- In response to an initial pipe penetration exceedance at TP-7, SCS-FS performed field investigations and identified low available vacuum at adjacent wells EW-49 and EW-50. SCS-FS plans to conduct further field investigations on the low available vacuum during the week of October 13, 2025.
- In response to an on-going pipe penetration exceedance at EW-49, SCS-FS installed a new lateral vacuum supply line which increased the available vacuum supply at EW-49. Monitoring of this well during a follow-up event did not result in an exceedance.
- Pipe penetration exceedances were previously recorded at EW-60, EW-67, EW-76, and EW-95. Monitoring of these wells during a follow-up event did not result in an exceedance.

1.1.2 Monitoring of Leachate Collection Components

SCS Field Services (SCS-FS) visited the Bristol Landfill on September 2, 2025, 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	9/2/2025 10:23:17 AM	41.6	36.4	0.0	22.0	69.0	69.0	-10.22	-9.76	-13.21
Southern Cleanouts Gradient East	LC02	9/2/2025 10:26:11 AM	21.3	32.5	0.0	46.3	66.5	66.7	-9.85	-9.91	-12.58
Southern Cleanouts Leachate Center	LC03	9/2/2025 10:28:53 AM	5.6	6.6	17.1	70.7	66.8	66.5	-11.86	-11.69	-11.71

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 Witness East	LC04	9/2/2025 10:31:06 AM	2.7	1.2	19.7	76.4	67.8	67.9	-7.40	-7.40	-12.08
Southern Cleanouts Leachate West	LC05	9/2/2025 10:46:41 AM	15.6	27.3	0.0	57.1	70.5	71.0	-10.25	-10.13	-12.75
Southern Cleanouts Gradient Center West	LC06	9/2/2025 10:43:41 AM	65.7	29.5	0.6	4.2	73.7	74.2	-12.05	-11.66	-13.24
Southern Cleanouts Leachate East	LC08	9/2/2025 10:34:31 AM	18.6	28.6	0.0	52.8	65.3	64.5	-10.06	-9.72	-13.22
Southern Cleanouts Gradient Center East	LC09	9/2/2025 10:40:35 AM	27.5	26.0	3.1	43.4	75.4	76.1	-12.11	-11.96	-12.47
Southern Cleanouts Leachate West	LC10	9/2/2025 10:37:38 AM	13.4	10.6	15.8	60.3	72.8	74.0	-10.74	-10.77	-12.86
Northern Cleanouts Leachate East	NC01	9/2/2025 9:58:02 AM	0.1	0.1	20.9	79.0	68.4	68.0	-6.73	-6.73	-0.27
Northern Cleanouts Leachate Center	NC02	9/2/2025 9:59:54 AM	0.1	0.0	20.9	79.0	66.3	66.2	-6.73	-6.73	-0.01
Northern Cleanouts Leachate West	NC03	9/2/2025 10:01:23 AM	0.1	0.0	21.0	78.9	66.0	66.0	-6.73	-6.73	0.03
Northern Cleanouts Witness East	NC04	9/2/2025 10:03:58 AM	0.0	0.0	21.1	78.9	66.1	66.0	-6.73	-6.73	0.01
Northern Cleanouts Witness Center	NC05	9/2/2025 10:06:01 AM	0.0	0.0	21.1	78.8	66.2	66.2	-6.73	-6.73	0.04
Northern Cleanouts Witness West	NC06	9/2/2025 10:08:08 AM	0.0	0.0	21.2	78.8	66.3	66.4	-6.67	-6.69	0.02
Northern Cleanouts Gradient East	NC07	9/2/2025 10:09:58 AM	0.0	0.0	21.1	78.8	66.4	66.5	-8.84	-8.87	0.04
Northern Cleanouts Gradient Center East	NC08	9/2/2025 10:11:49 AM	0.0	0.0	21.2	78.8	66.6	66.6	-8.76	-8.76	-0.05
Northern Cleanouts Gradient Center West	NC09	9/2/2025 10:13:46 AM	0.0	0.0	21.2	78.8	66.7	66.8	-6.61	-6.62	0.02
Northern Cleanouts Gradient West	NC10	9/2/2025 10:15:29 AM	0.2	0.0	21.1	78.7	66.9	66.9	-8.39	-8.39	-0.11

1.2 EXISTING GAS EXTRACTION SYSTEM PERFORMANCE

SCS and SCS-FS have been coordinating with the City to improve the performance of the existing gas system. Specific actions taken to maintain and improve the system are detailed in the following sections of this report.

Additional actions taken by SCS-FS include the following:

- Adjustments to LFGCCS
- Maintenance of air lines and pressurized air infrastructure
- Maintenance of wellhead and other gas collection infrastructure
- Removal of liquids from landfill gas headers
- Replacement of a section of blocked forcemain
- Temporary relocation of header pipes to facilitate placement of additional soil.

1.3 REMOTE MONITORING SYSTEM

In the Fall of 2022, SCS Remote Monitoring & Control (SCS-RMC) installed 25 industrial internet of things (IIoT) temperature sensors in the landfill gas wellheads. The purpose of the sensors is to record and transmit wellhead gas temperatures via cellular connection to a database managed by SCS-RMC. Since the initial installation, some sensors have been relocated and additional sensors have been added to the network. There are currently 59 wellhead temperature sensors operating within the wellfield.

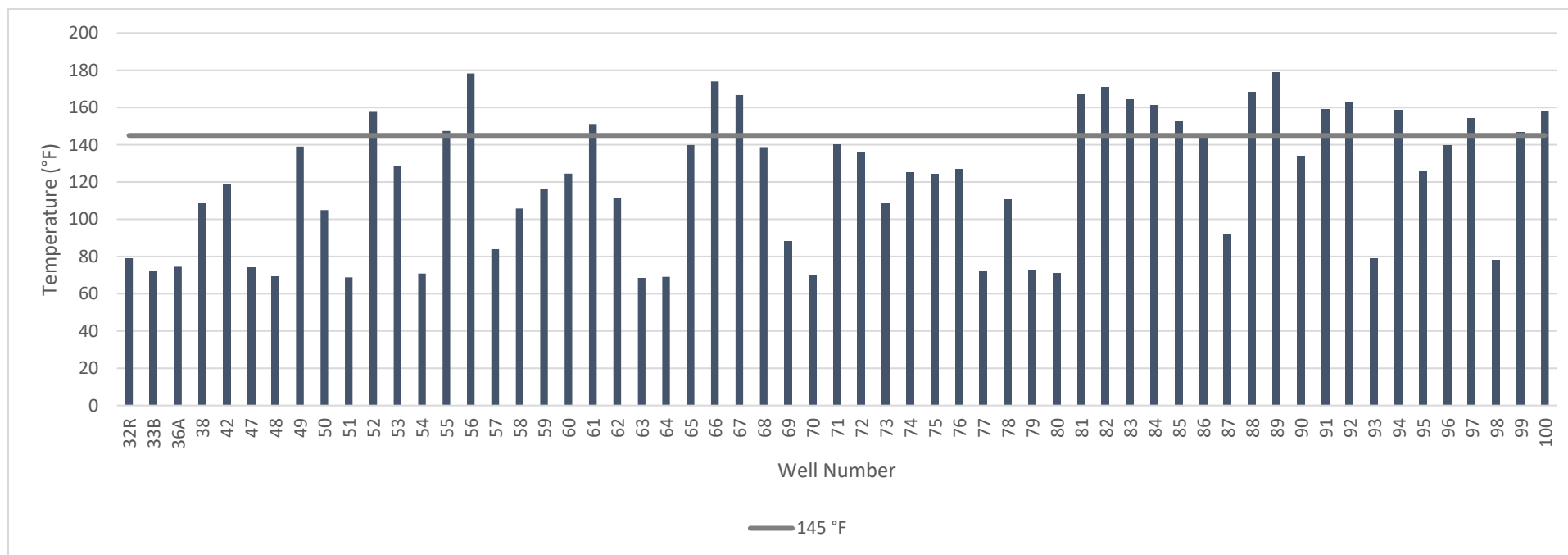
The City is providing the minimum, maximum, and average daily temperature recorded by each sensor to VDEQ on a daily basis via email. Minimum, maximum, and average daily temperatures recorded by the remote monitoring system during the month of September are included in Appendix C. In addition, SCS previously prepared semi-monthly status updates to satisfy the conditions of compliance provision no. 2 of the Environmental Protection Agency (EPA) Region III letter, Approval of Higher Operating Temperature Values for Landfill Gas Wells and Submission of Gas Treatment Alternatives at the Bristol Virginia Integrated Solid Waste Management Facility, dated August 23, 2021. On August 2, 2023, VDEQ requested that such updates be included in the monthly compliance reports. Accordingly, this section is a summary of temperature monitoring activities during the monthly monitoring period of September 2025.

1.3.1 Automated Wellhead Temperature Measurements

SCS reviewed the automated hourly temperature measurements from September 2025, and observed the following:

- The average temperature in August was above the regulatory threshold of 145°F at 19 wells (see Figure 1).
- The highest average temperature was 178.6°F at EW-89. Temperatures at EW-89 are being monitored closely, and SCS-FS has prioritized pump maintenance at this well to remove liquids (and associated heat) at this well. Per the stroke counter data documented in Table G-1, the pump in EW-89 was the fifth most productive in the wellfield in September 2025.

Figure 1. Monthly Average Automated Wellhead Temperatures¹



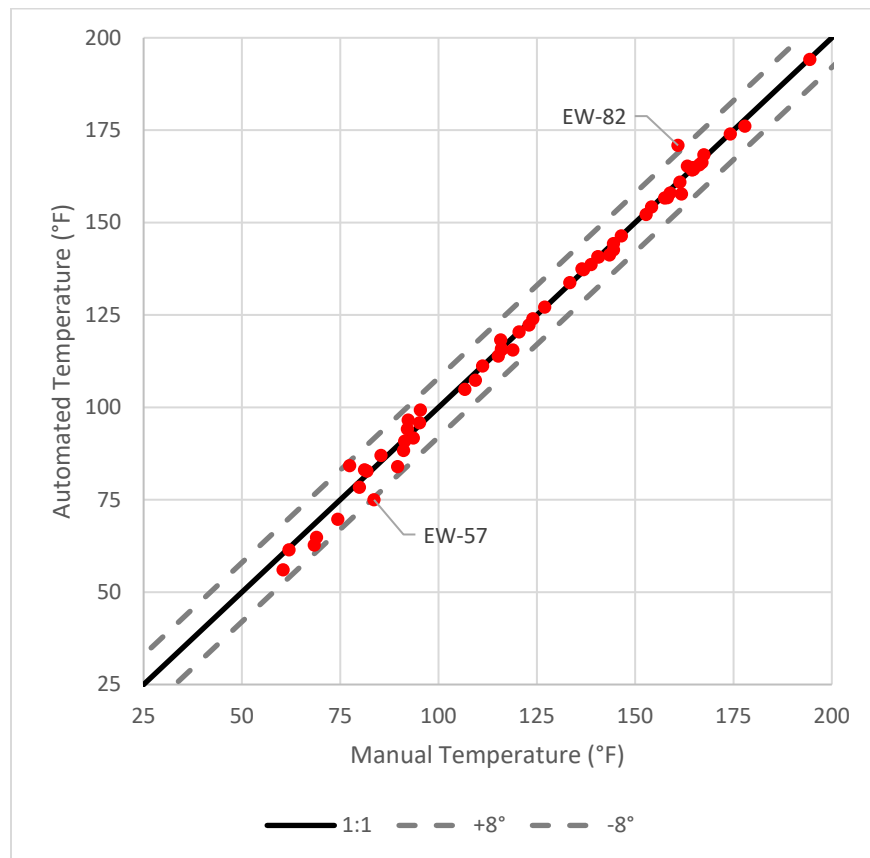
¹ 145 °F is the NESHA AAAA compliance threshold for well temperature, included here for reference.

1.3.2 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 outside the $\pm 8^{\circ}\text{F}$ deviation threshold were observed at two wells during this reporting period: EW-57 and EW-82. At EW-57, the recorded manual temperature was higher than the automated temperature. At EW-82, the recorded automated temperature was higher than the manual temperature. Low gas flow is one potential cause of higher automated temperature than manual temperature, and flow could not be recorded during the measurement of EW-82 due to the configuration of the stainless-steel wellhead. At both wells, the temperatures were very close to the threshold, a difference of 8.6°F at EW-57 and 10.0°F at EW-82. Further investigation may be merited if these discrepancies worsen.

Figure 2. Automated vs. Manual Temperature Measurements



1.3.3 Monthly Regulatory Wellhead Temperature Measurements

Routine monthly temperature monitoring was conducted on September 9 and September 22, 2025 to comply with 40 CFR 60.36f(a)(5). Table 3 provides the status of exceedances recorded during this monitoring period.

Table 3. September Temperature Exceedance Summary

Well ID	Initial Exceedance Date	Compliant Reading	Most Recent Reading	Duration of Exceedance	Status as of 10/1/2025
EW-49	8/11/25	9/9/25 156.6°F	9/22/25 162.3°F	30 days	Resolved within 60-day timeline
EW-49	9/11/25	9/15/25 164.9°F	9/22/25 162.3°F	5 days	Resolved within 15-day timeline
EW-56	5/29/25	N/A	9/25/25 181.9°F	126 days	Ongoing, beyond 120-day timeline
EW-60	9/22/25	N/A	9/25/25 170.0°F	10 days	Ongoing, within 15-day timeline
EW-66	7/28/25	N/A	9/25/25 176.6°F	66 days	Ongoing, within 120-day timeline
EW-92	6/3/25	N/A	9/25/25 173.4°F	121 days	Ongoing, beyond 120-day timeline

1.3.4 LFG Sampling

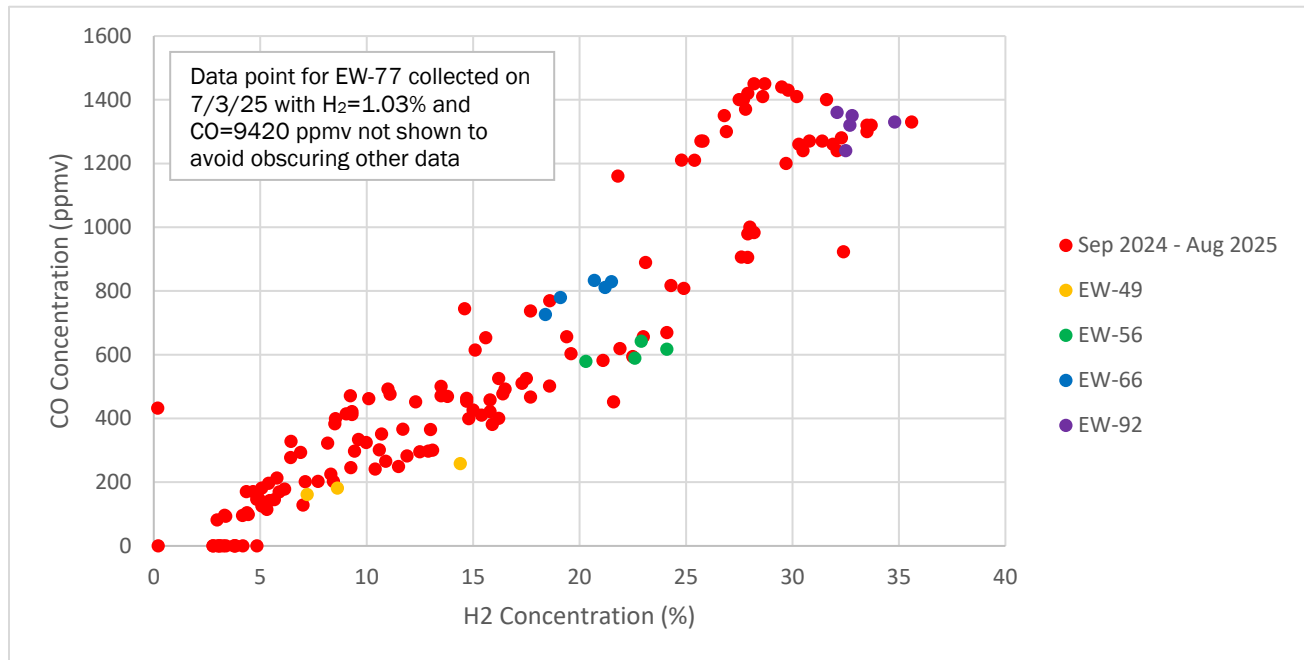
SCS collected weekly LFG samples from wells with temperature exceedances lasting more than seven days using 1.5-L summa canisters. The samples were sent to Enthalpy Analytical for laboratory analysis of carbon monoxide (CO) and hydrogen (H₂) content. As of October 1, 2025, the City has received lab results for sampling on August 21, August 27, September 4, September 11, and September 15, 2025 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		8/21/25	8/27/25	9/4/25	9/11/25	9/15/25
EW-49	CO (ppmv)	161	181	258		
	H2 (Vol. %)	7.21	8.63	14.4		
EW-56	CO (ppmv)	617		589	579	642
	H2 (Vol. %)	24.1		22.6	20.3	22.9
EW-66	CO (ppmv)	811	833	779	726	829
	H2 (Vol. %)	21.2	20.7	19.1	18.4	21.5
EW-92	CO (ppmv)	1360	1350	1330	1240	1320
	H2 (Vol. %)	32.1	32.8	34.8	32.5	32.7

As shown in Figure 3, the carbon monoxide and hydrogen data collected during this period appear to be generally consistent with the data collected previously in 2024 and 2025.

Figure 3. CO vs H₂ Concentration from gas wells in September 2025 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 CONSTRUCTION

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 CONSTRUCTION

Operation of the sidewall odor mitigation system is monitored on a monthly basis. SCS-FS collected monitoring data at each wellhead under vacuum in September. 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 [%]
9/2/2025	5.5	7.7	15.9	70.9
9/15/2025	4.8	6.9	16.9	71.4
9/29/2025	5.3	8.4	16.5	69.7

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. Adjustments to vacuum at each wellhead are made on a regular basis to address changes in sidewall emissions and facilitate placement of additional soil.

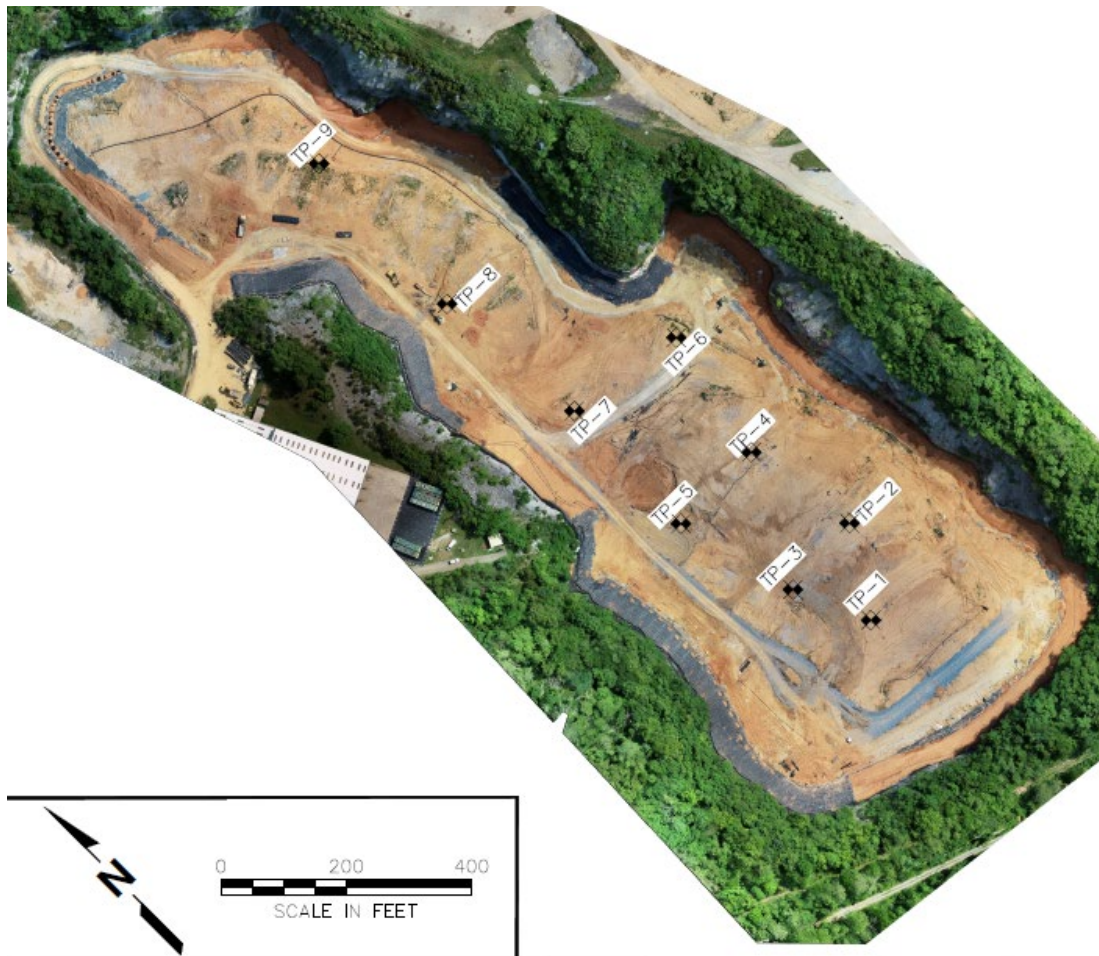
3.0 WASTE TEMPERATURE MONITORING

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 September 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 September are shown in Appendix B. The average temperatures recorded for March 2023, March 2024, March 2025, August 2025, and September 2025 are shown in Figures 5 through 10 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-2 and TP-3 have been abandoned and a replacement plan is being developed.

EW-91 and EW-92 were jetted to remove solids that would impede the installation of temperature probes. However, the casing in both wells could not be cleared past 140 feet below surface. Because VDEQ has asked that the replacement probes achieve at least 150 feet in depth, the City is considering other options for replacement.

3.1.2 Temperature Profiles

Temperature profiles for the operational thermocouple strings are shown in Figures 5-10. Temperatures profiles have been consistent throughout 2025, with the temperature profiles generally exhibiting the “belly curve” shape with peak temperatures between 200 and 275°F in TP-1, TP-5, TP-7, 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, August 2025, and September 2025

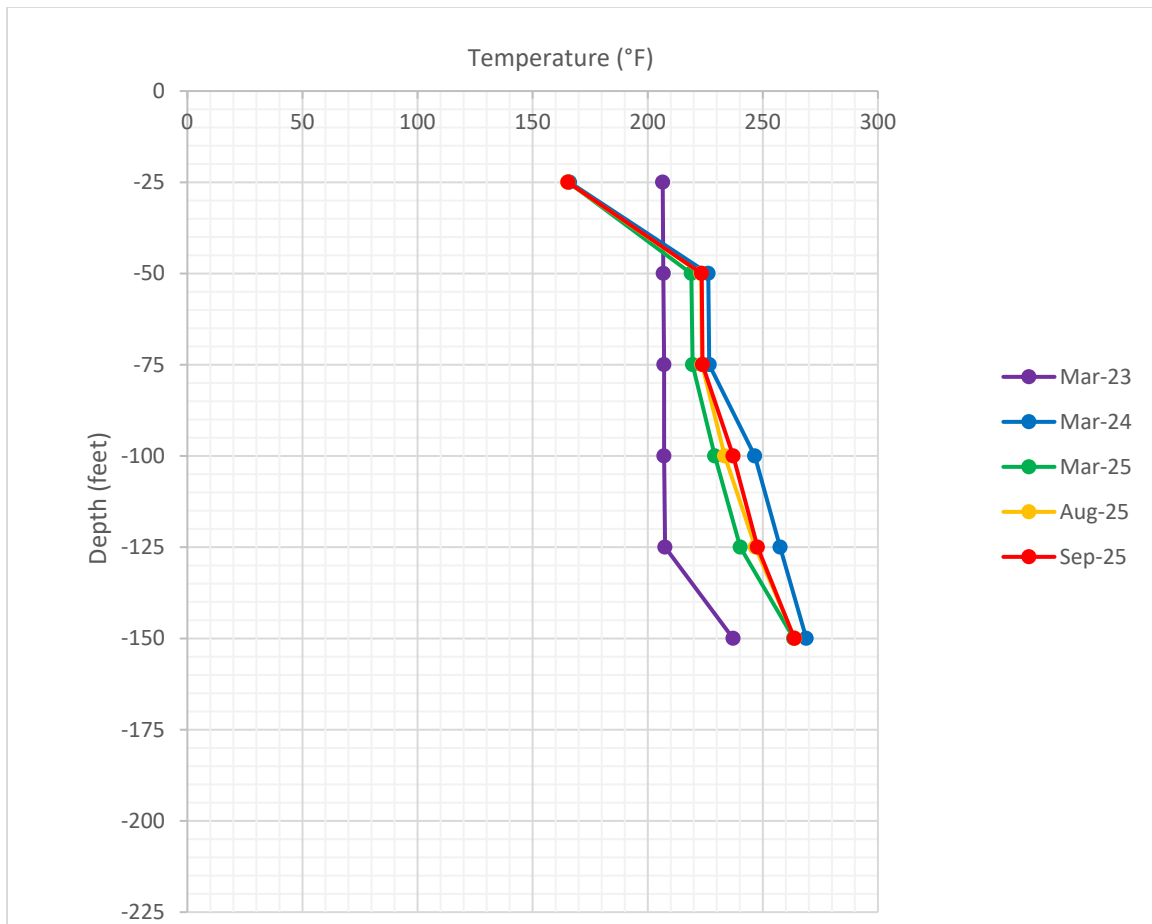


Figure 6. TP-5 Average Temperatures for the Months of March 2023, April 2024, March 2025, August 2025, and September 2025

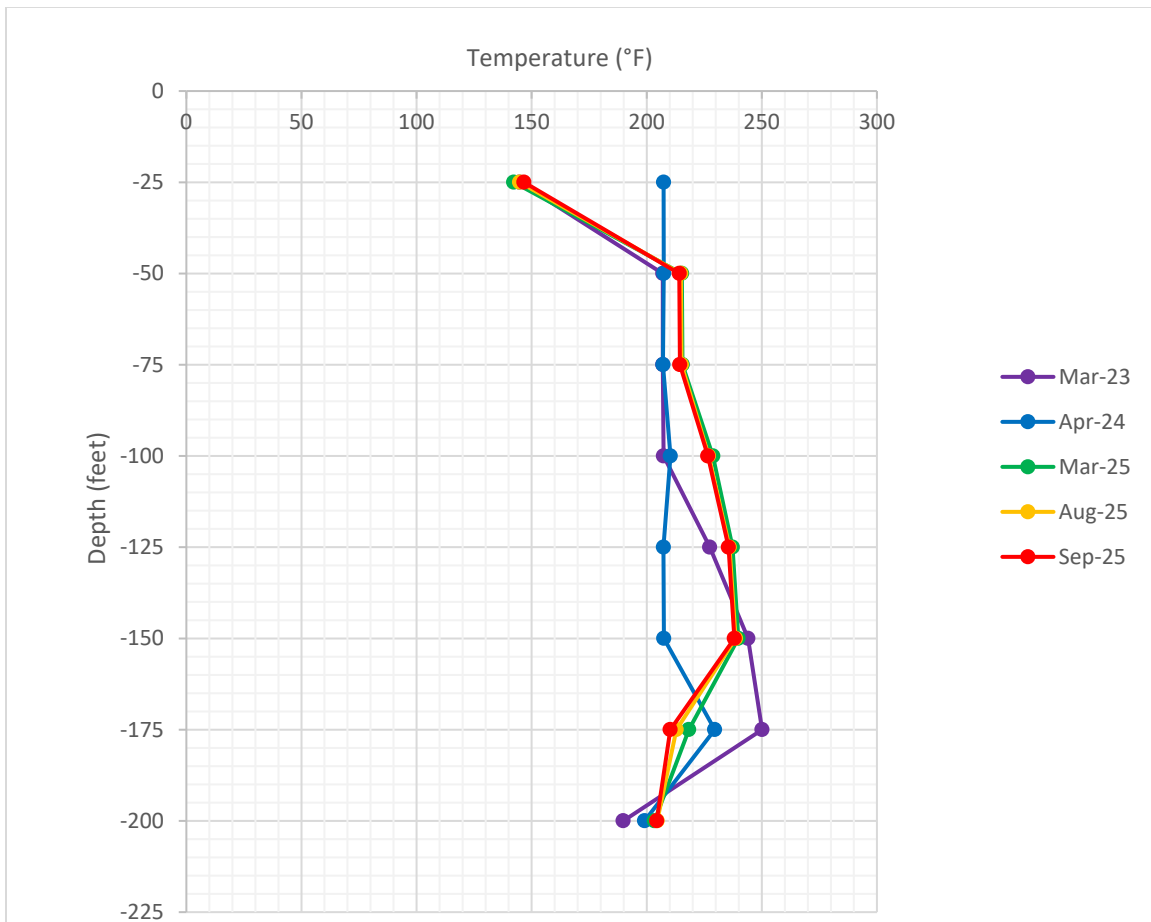


Figure 7. TP-6 Average Temperatures for the Months of March 2023, March 2024, March 2025, August 2025, and September 2025

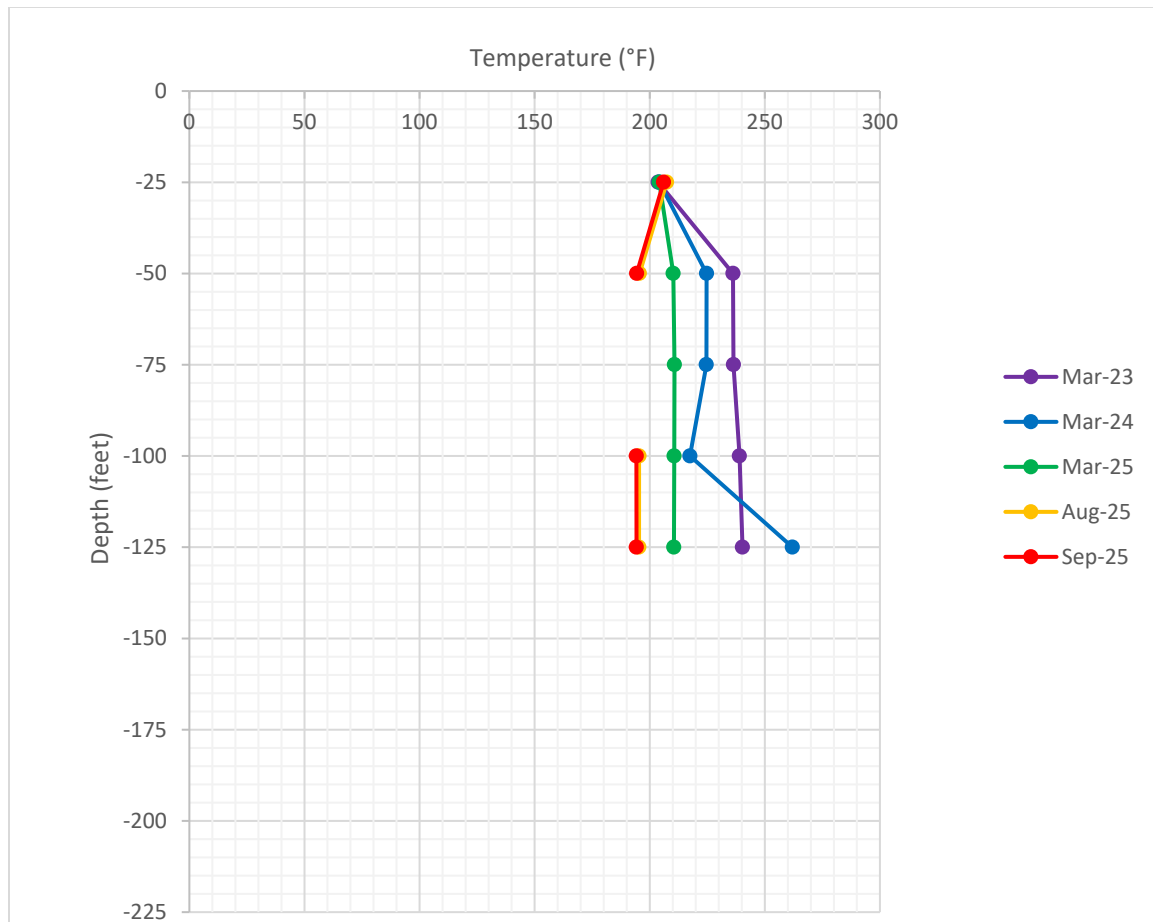


Figure 8. TP-7 Average Temperatures for the Months of March 2023, March 2024, March 2025, August 2025, and September 2025

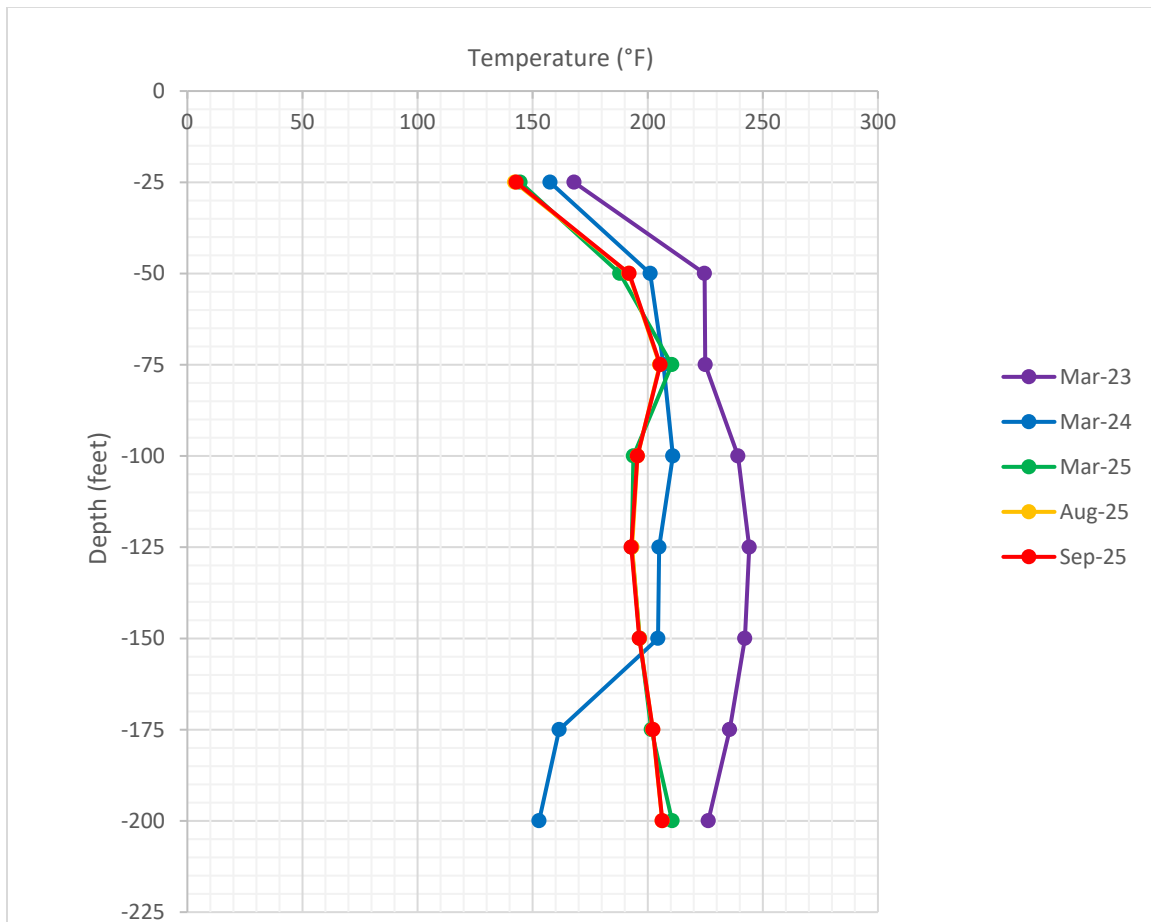


Figure 9. TP-8 Average Temperatures for the Months of March 2023, March 2024, March 2025, August 2025, and September 2025

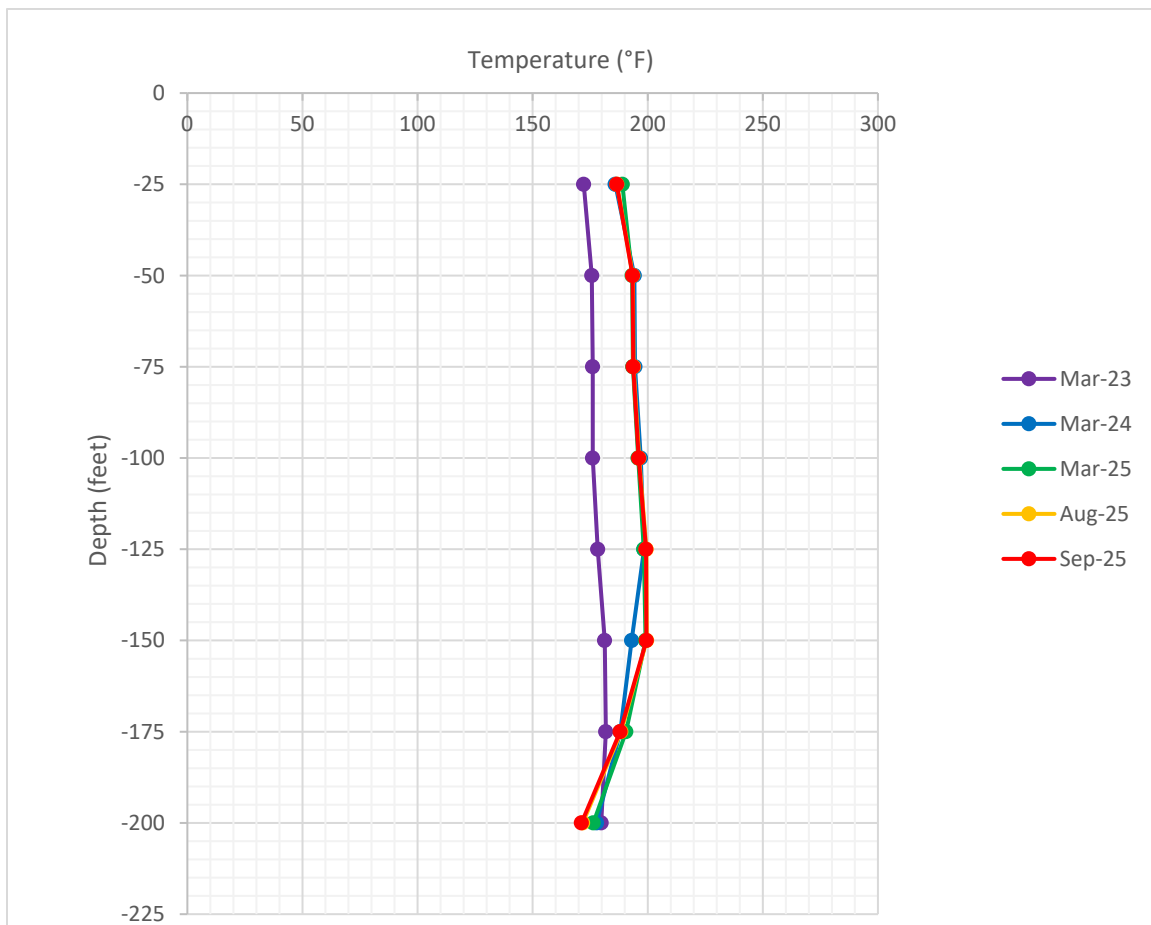
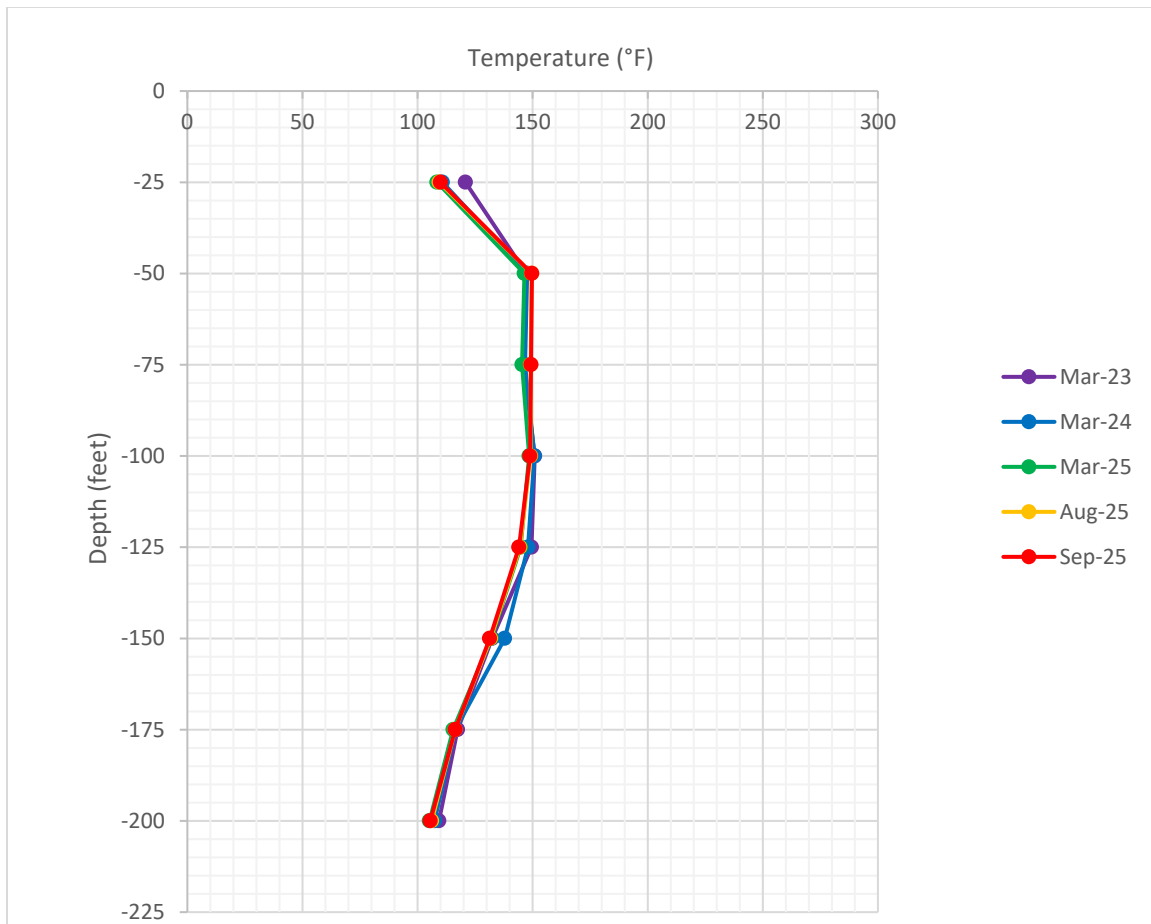


Figure 10. TP-9 Average Temperatures for the Months of March 2023, March 2024, March 2025, August 2025, and September 2025



4.0 LEACHATE EXTRACTION AND MONITORING

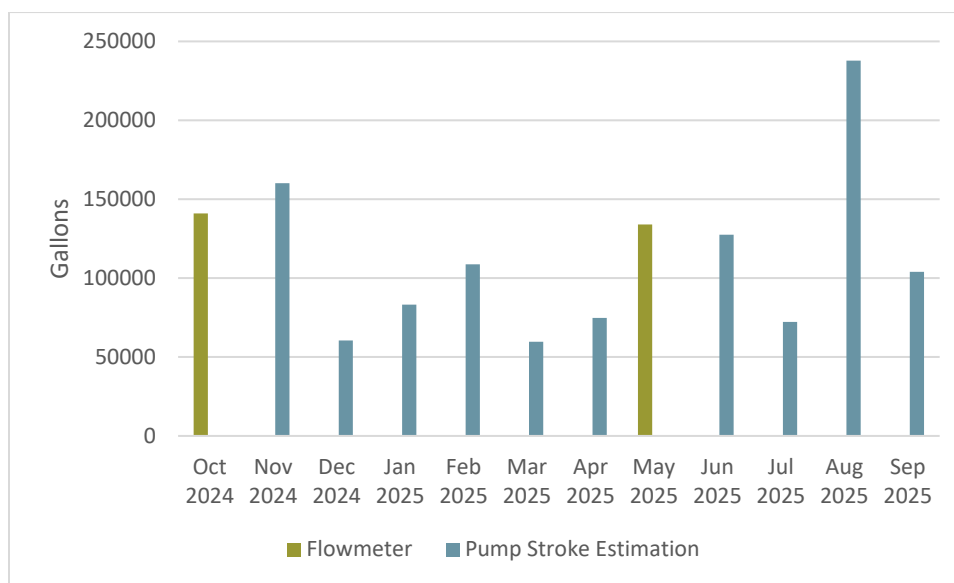
The City is continuously taking steps to maintain and improve the extraction of leachate from the waste mass and collect analytical data on leachate characteristics. The following sections detail steps taken to achieve these goals. Refer to Appendix G for narrative sections without updates.

4.1 DEWATERING PUMP OPERATIONS AND MAINTENANCE

4.1.1 Total LFG Liquids Removal

Figure 11 illustrates monthly landfill gas liquids removal over the past year. The volume was estimated from stroke counter data for November 2024 through April 2025, and June 2025 through September 2025 (blue bars in Figure 11). 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 74,800 to 237,800 gallons per month, and has averaged 125,100 gallons per month.

Figure 11. Total Dewatering Liquid Removal



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 September 2025.

Pump Maintenance Activities

- The pump was swapped in EW-50.

- The pump in EW-60 was swapped, and the pump depth was set higher in the well case. The tri-tubing was also replaced.
- The pump in EW-89 was swapped, and the tri-tubing was replaced.
- The pumps in EW-88 and EW-94 were removed, cleaned, and reinstalled, and the tri-tubing was replaced.
- The pump was removed, cleaned, and reinstalled in TP-4.

Wells with Inactive Pumps

- The pumps in EW-33B and EW-76 are stuck in the well casing and have been disconnected. SCS-FS scheduled to attempt to pull the pumps with a piece of heavy equipment when new QED pumps arrive on site to replace them. These pumps have arrived on-site, and replacement is scheduled for the week of October 14th, weather permitting.
- The casing at EW-49 has been lowered to allow access to the pump.
- SCS-FS intends to replace the Blackhawk pump with a QED in EW-36A, which has also been scheduled for the week of October 14th.
- The pumps in EW-52, EW-53, EW-55, EW-66, and EW-68 are inactive due to excessive pressure buildup in the forcemain line. The LFG construction project currently underway includes modifications to the piping system to alleviate these issues.
- The pump in EW-62 is offline due to a damaged air line. SCS-FS will evaluate the extent of damage and will coordinate with the City to procure materials needed for the repair.
- All pump types deployed in EW-74 and EW-75 have experienced buildup on the intake screens preventing effective pump operation.
- The pumps in EW-51, EW-57, EW-90, and EW-100 are permanently stuck in their wells even after attempts to remove them with heavy equipment. Therefore, they cannot be cleaned and/or repaired.
- The casings of EW-81, EW-83, EW-91, and EW-96 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.

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. This results in SCS-FS dedicating substantial amounts of time to relieving air pressure on the system. The Harnden Group began a LFG expansion construction project in September, including installation of additional cleanouts and air release valves in the wellfield to address this issue in October 2025.

4.2 SAMPLING AND ANALYSIS PLAN

4.2.1 Sample Collection

On September 24, 2025, SCS collected a leachate sample from Dual Phase LFG extraction wells (EW-50 and EW-60). 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 September 2025, 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-59, EW-61, EW-65, EW-66, EW-68, EW-78, EW-81, EW-82, EW-83, EW-85, EW-89, EW-94, EW-96, and EW-98. • Pump was disconnected or off at the time of monitoring for EW-52, EW-53, EW-55, EW-62, EW-87, and EW-93 • Additional information: – EW-96 was too tall to safely measure the liquid level. – Liquid depth was not measured at the time of monitoring for EW-36A, EW-81, EW-89 and EW-94 as gauging equipment has historically become stuck in the well. – The liquid depth was not measured at the time of monitoring for EW-52, EW-66, and EW-93 as the pump is slotted for maintenance or replacement.	• There was no pump at the time of the monitoring for the following wells: EW-33B, EW-49, 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-84, EW-86, EW-88, EW-91, EW-92, EW-95, EW-97, and EW-99. Without a pump, a leachate sample is not collected. • Additional information: – Pump was pulled for maintenance or replacement in EW-76. – EW-33B, EW-63, EW-64, EW-77, and EW-79 had the vacuum shut down and were unable to be approached during the time of monitoring. – The liquid depth was not measured at the time of monitoring for EW-84 and EW-86 due to an obstruction. – The well was too tall to safely measure the liquid level for EW-92 and EW-97.

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 Phase Landfill Gas Extraction Well Leachate Monitoring Plan, December 1, 2022, prepared by SCS Engineers. At the time of preparation of this report, laboratory analytical results were not available for the September 2025 monitoring event. The September 2025 analytical results will be provided in the October 2025 Monthly Compliance Report.

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.

This report provides the August 2025 analytical results, which became available in September 2025. The September 2025 analytical results will be reported in October 2025. The QC blank detection identified for the August 2025 monitoring event is shown on **Table 7**. The laboratory analysis report for the August 2025 monitoring event trip blank is included in **Appendix F**. The laboratory QA/QC report for the August 2025 monitoring event, including the method blank results, is included in the certificate of analysis (COA) in **Appendix F**.

Table 7. Quality Control Blank Detection Summary

Location ID	Parameter	Concentration (ug/L)
Trip Blank	Acetone	15.9

ug/L = micrograms per liter

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 August 2025 monitoring event as acetone was detected in the leachate samples at concentration greater than 10 times the detection in the trip blank. The August 2025 detections flagged with a “J” qualifier are shown on **Table 8**.

4.2.4 Laboratory Analytical Results

The analytical results for the August 2025 leachate samples collected from extraction wells EW-89 and EW-98 are summarized in **Table 8**. The associated COA is included in **Appendix F**. Concentrations from August 2025 and previous monitoring events (November 2022 – July 2025) are presented in the Historical LFG-EW Leachate Monitoring Results Summary in **Appendix F**. Time-series plots of each VOC for EW-89 and EW-98 and the wells that have historically been sampled are included in **Appendix F**.

Table 8. Monthly LFG-EW Leachate Monitoring Event Summary

Well ID	EW-89	EW-98	LOD	LOQ
Parameter	August 2025 Concentration			
Ammonia as N (mg/L)	1660	778	120	200
Biological Oxygen Demand (mg/L)	38599.6	5650	0.2	2
Chemical Oxygen Demand (mg/L)	---	9760	630	1000

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 8. Monthly LFG-EW Leachate Monitoring Event Summary

Well ID	EW-89	EW-98	LOD	LOQ
Parameter	August 2025 Concentration			
	62700	---	6300	10000
Nitrate as N (mg/L)	---	ND	0.255	1
	ND	---	1.45	2
Nitrite as N (mg/L)	ND	---	0.13	0.5
	---	ND	0.26	1
Phenolics, Total Recoverable (mg/L)	71.6	11.5	1.54	2.5
Total Kjeldahl Nitrogen (mg/L)	2740	1090	45.9	50
SEMI-VOLATILE ORGANIC COMPOUND (ug/L)				
Anthracene	---	ND	100	200
	ND	---	400	800
TOTAL METALS (mg/L)				
Arsenic	0.206	0.178	0.0018	0.02
Barium	3.07	0.444	0.0005	0.01
Cadmium	0.0183	0.001 J	0.0002	0.004
Chromium	0.303	0.0578	0.0004	0.01
Copper	ND	0.0049 J	0.0017	0.01
Lead	0.087	0.0142	0.0018	0.01
Mercury	0.00234	0.00139 J	0.000271	0.002
Nickel	0.0925	0.0393	0.0005	0.01
Selenium	ND	ND	0.0069	0.05
Silver	ND	0.0008 J	0.0004	0.01
Zinc	---	0.0318	0.0064	0.02
	2.92	---	0.0096	0.03
VOLATILE FATTY ACIDS (mg/L)				
Acetic Acid	8500	678	71.4	500
Butyric Acid	---	338	7-	50-
	2200	---	70.3	500
Lactic Acid	---	ND	0.6	5
	1100	---	55.7	500
Propionic Acid	3140	696	57.3	500
Pyruvic Acid	---	61.3	0.9	5
	93.9 J	---	17.8	100
VOLATILE ORGANIC COMPOUNDS (ug/L)				
2-Butanone	6680	---	150	500
	---	47400	1500	5000
Acetone	36000	89600	3500	5000
Benzene	112	1300	20	50

Table 8. Monthly LFG-EW Leachate Monitoring Event Summary

Well ID	EW-89	EW-98	LOD	LOQ
Parameter	August 2025 Concentration			
Ethylbenzene	ND	230	20	50
Tetrahydrofuran	2430	16800	500	500
Toluene	ND	131	25	50
Xylenes	ND	458	50	150

----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. Refer to Appendix G for narrative sections without updates.

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 September 11, 2025. Aerial imagery collected on September 11, 2025, is depicted in Figure 12. The topographic data collected is shown on Sheet 4 in Appendix E.

Figure 12. Aerial Photo of the SWP No. 588 Landfill

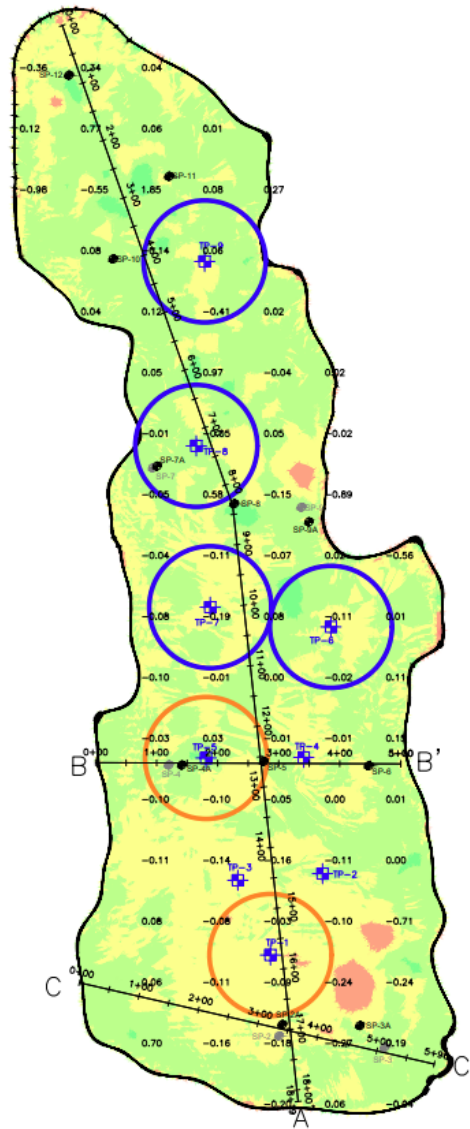


The topography within the landfill footprint was compared to topographic data collected by SCS using photogrammetric methods on August 21, 2025. A drawing depicting the August 21, 2025 topography is included as Sheet 3 in Appendix E.

Based on a comparison of the topographic data collected on those two dates, the data shows a fill of 2,800 cubic yards across the site. Fill may have been placed and spread on the site to address differential settlement, surface emissions, and to provide access to LFG collection vertical wells. Additionally, a substantial increase in vegetation at the site can influence the topographic data recorded by the drone, which contributes to the fill volume. During that same time period, calculations indicate a “cut” volume of approximately 2,800 cubic yards. Cut volumes are typically attributed to settlement. This resulted in a negligible volume change.

A visual depiction of settlement and filling at the landfill during this time is depicted in Figure 13. 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 13. 1-Month Elevation Change Map



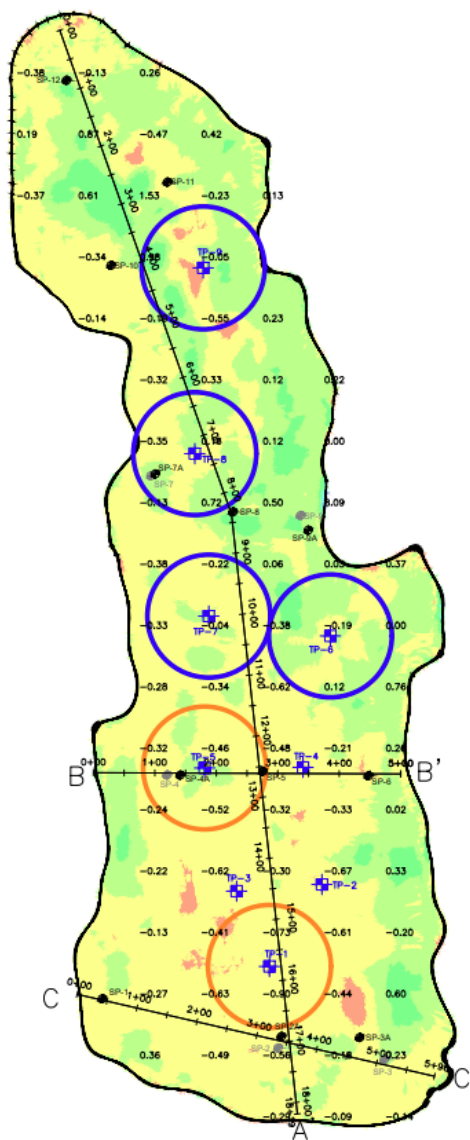
The locations of in-waste temperature monitoring probes are also shown on Figure 13, Figure 14, and Figure 15. The circles around the probes in each of these figures are indicative of the average borehole temperature. The circles shown are offset from the probes for clarity only and do not necessarily 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 represent 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 September 2025.

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 decrease between the flyover dates was negligible.

SCS also compared the topographic data collected in September to the topographic data collected on June 12, 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 6,500 cubic yards. During that same time period calculations indicate approximately 4,800 cubic yards of fill were placed on the landfill, for a net decrease in waste volume of 1,800 cubic yards.

A visual depiction of settlement and filling at the landfill during this time is depicted in Figure 14. 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 14. 3-Month Elevation Change Map

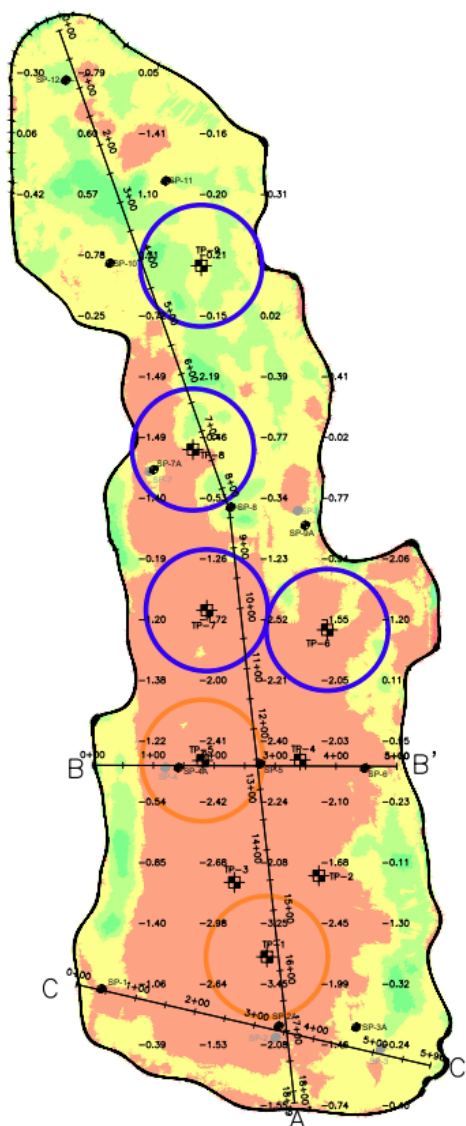


Based on the area of the landfill and the net volume change, the average elevation decrease was approximately 0.1 feet.

SCS also compared the topographic data collected in September 2025 to the drone topographic data collected on September 23, 2024. 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 31,500 cubic yards. During that same time period approximately 2,100 cubic yards of construction-related fill were placed on the landfill. This resulted in a net volume decrease of approximately 29,300 cubic yards.

A visual depiction of settlement and filling at the landfill during this time is depicted in Figure 15. 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 15. 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.

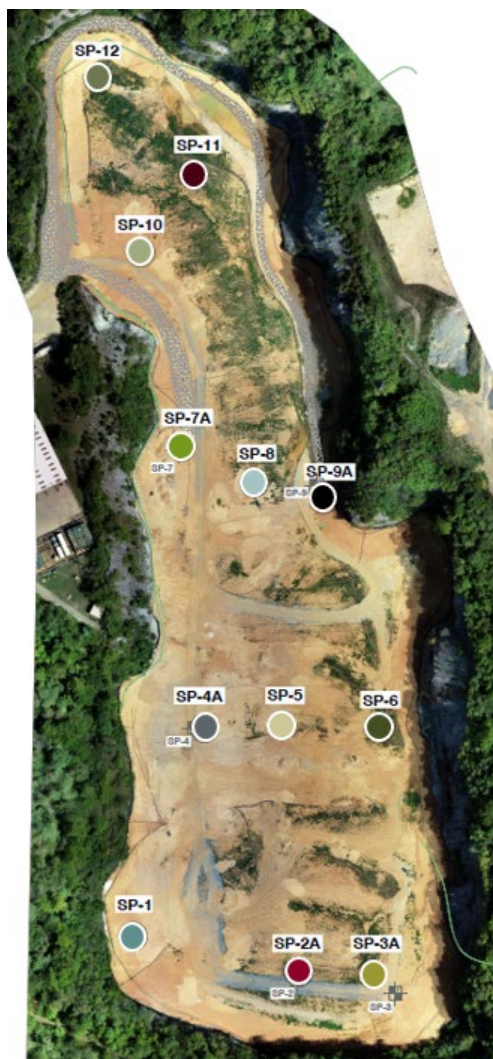
Based on the landfill area and the net volume change, the average elevation decrease was approximately 1.0 feet.

SCS will collect topographic data covering the landfill surface again in October using photogrammetric methods via UAV. This data will be compared to the data collected in October 2024, July 2025, and September 2025.

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 16 and on Sheet 1 in Appendix E. The construction and installation of the settlement plates generally conforms to the design outline in the Settlement Monitoring and Management Plan.

Figure 16. 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 9.

Table 9. Elevation and Strain Data at Settlement Plate Locations

Settlement Plate	Northing	Easting	Elevation on September 9, 2025 (ft)	Elevation Change Since August 14, 2025 (ft)	Strain ³ Since August 14, 2024	Elevation Change Since Installation (ft)
SP-1	3,397,887.5	10,412,080.8	1,828.5	-0.2	-0.2%	-5.9
SP-2A	3,397,823.3	10,412,370.5	1,792.1	-0.2	-0.1%	-3.6
SP-3A	3,397,820.3	10,412,498.1	1,778.9	-0.1	-0.1%	-1.3
SP-4A	3,398,246.9	10,412,207.5	1,802.0	-0.2	-0.1%	-3.1
SP-5	3,398,255.8	10,412,339.7	1,787.7	-0.1	-0.1%	-13.1
SP-6	3,398,248.9	10,412,510.0	1,772.6	-0.2	-0.1%	-5.1
SP-7A	3,398,731.5	10,412,158.3	1,821.9	-0.1	-0.1%	-1.5
SP-8	3,398,678.0	10,412,290.9	1,799.4	-0.2	-0.1%	-8.0
SP-9A	3,398,644.3	10,412,416.0	1,787.9	-0.2	-0.1%	-0.9
SP-10	3,399,079.5	10,412,095.2	1,836.0	0.0	0.0%	-4.2
SP-11	3,399,216.4	10,412,183.9	1,814.3	-0.1	0.0%	-2.0
SP-12	3,399,381.7	10,412,019.7	1,809.8	0.0	0.0%	-0.9

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.

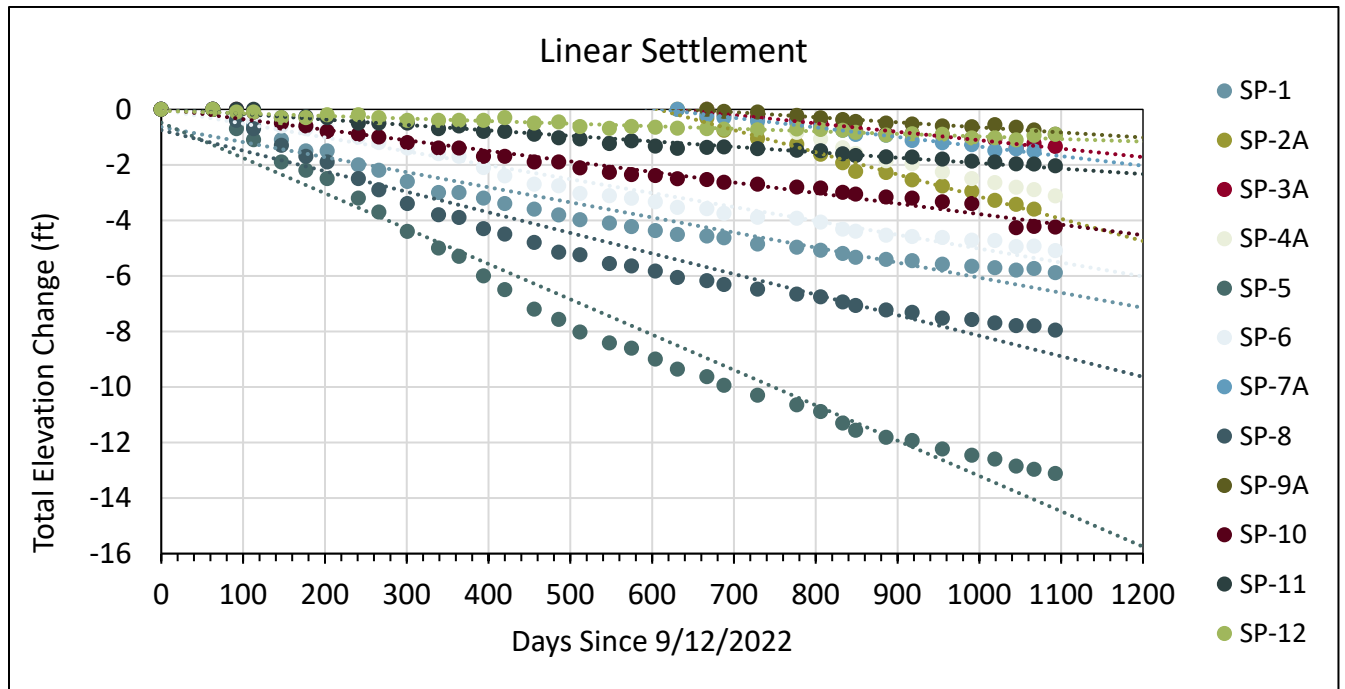
Settlement Plate 1 demonstrated the largest strain due to settlement than at other locations. Settlement Plate 1 is at the southern end of the landfill. This area is the location of the gas wells and temperature probes exhibiting higher temperatures. These higher strain values are typical of elevated temperature landfill conditions.

The strains at the other settlement plates were lower during this monthly measurement period compared to Settlement Plate 1.

Figure 17 shows the changes in elevation of select settlement plates over time. The data in Figure 17 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 17. Elevation Change of Select Settlement Plates Over Time



The settlement plates will be surveyed again during October 2025. The elevations surveyed will be compared to the elevations surveyed the previous months.

6.0 INTERMEDIATE COVER AND EVOH 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 EVOH COVER SYSTEM DESIGN

An amendment to the Consent Decree was issued on March 21, 2024 which requires an ethylene vinyl alcohol (EVOH) deployment no later than December 1, 2026. The amended Consent Decree also requires regular settlement assessments, and the EVOH deployment may occur earlier if settlement rates appear acceptable. The first of these assessments was submitted to VDEQ on April 11, 2024. The most recent assessment was submitted on April 10, 2025. The next assessment will be submitted on or before October 7, 2025.

6.3 EVOH COVER SYSTEM PROCUREMENT

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

6.4 EVOH COVER SYSTEM INSTALLATION

As outlined in the amendment to the Consent Decree dated March 21, 2024, the deadline for EVOH Cover System installation has been extended. 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 September 2025, those actions include:

- **Ongoing basis:** Five (4) 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 included cleaning, repairing, and replacing several pumps in the gas extraction system; draining condensation from the gas system piping to improve efficiency; removing surface water from rainfall with the stormwater pump; performing maintenance on the leachate extraction system including removal and replacement pumps and cleaning and rebuilding others; and fusing pipe and excavating the route for the new gas header associated with the new permanent flare being installed at the Quarry 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 August 3, 2025. Additional reports will be posted as they are received.
- **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 Third Quarter 2025 surface emissions monitoring event on August 28, 2025. The results of the Quarterly SEM were summarized in the August 2025 Compliance Report for the SWP No. 588 Landfill. A report outlining the results and exceedance locations will be included in the Semi-Annual report to be submitted to VDEQ prior to March 1, 2026.

The Fourth Quarter 2025 SEM Event is scheduled to be completed by December 31, 2025.

Weekly SEM

In addition to the standard regulatory quarterly surface emissions monitoring, the monitoring in August 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 September monitoring events on September 10, 2025; September 17, 2025; September 24, 2025; and, October 1, 2025. 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.

Rev. September 24, 2025
File No. 02218208.04

Mr. Jonathan Chapman
Enforcement Specialist
Virginia Department of Environmental Quality
SW Regional Office
355-A Deadmore Street
Abingdon, VA 24210

Subject: Weekly Surface Emissions Monitoring Event – September 5, 2025
Bristol Integrated Solid Waste Facility – Bristol, Virginia

Dear Mr. Chapman:

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 September 5, 2025. 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 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, 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). The 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	10
Number of Serpentine Exceedances	0
Number of Pipe Penetration Exceedances	10

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.

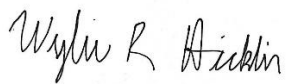
A summary of ongoing exceedance points is provided in Table 2.

Table 2. Ongoing Weekly SEM Exceedances

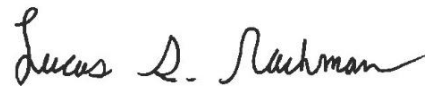
Point ID	Initial Exceedance Date	9/5/25 Event	9/5/25 Event Result	Comments
EW-76	7/15/25	N/A	Passed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-95	7/23/25	N/A	Failed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-49	8/7/25	N/A	Failed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-90	8/7/25	1-Month Retest	Failed	Requires 1-Month Follow-Up Retest
TP-6	8/7/25	1-Month Retest	Passed	Exceedance Resolved
EW-60	8/11/25	N/A	Failed	Requires 1-Month Retest
EW-67	8/11/25	N/A	Failed	Requires 1-Month Retest

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: Randall Eads, City of Bristol
Jonathan Hayes, City of Bristol
Laura Socia, City of Bristol
Susan "Tracey" Blalock, VDEQ

Encl. Surface Emissions Monitoring Results
Bristol SEM Route Drawing

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - SEPTEMBER 5, 2025
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
1	0.9 PPM	OK			Start Serpentine Route
2	0.9 PPM	OK			
3	1.8 PPM	OK			
4	0.6 PPM	OK			
5	0.8 PPM	OK			
6	0.9 PPM	OK			
7	1.1 PPM	OK			
8	0.8 PPM	OK			
9	2.5 PPM	OK			
10	54.0 PPM	OK			
11	0.4 PPM	OK			
12	1.0 PPM	OK			
13	0.8 PPM	OK			
14	0.5 PPM	OK			
15	6.0 PPM	OK			
16	0.3 PPM	OK			
17	0.2 PPM	OK			
18	2.5 PPM	OK			
19	0.0 PPM	OK			
20	0.1 PPM	OK			
21	0.1 PPM	OK			
22	7.2 PPM	OK			
23	45.3 PPM	OK			
24	4.9 PPM	OK			
25	0.2 PPM	OK			
26	10.8 PPM	OK			
27	1.5 PPM	OK			
28	17.1 PPM	OK			
29	0.5 PPM	OK			
30	0.2 PPM	OK			
31	4.4 PPM	OK			
32	0.2 PPM	OK			
33	0.4 PPM	OK			
34	0.6 PPM	OK			
35	0.1 PPM	OK			
36	0.2 PPM	OK			
37	0.1 PPM	OK			
38	0.0 PPM	OK			
39	0.2 PPM	OK			
40	0.0 PPM	OK			
41	0.0 PPM	OK			
42	3.5 PPM	OK			
43	0.1 PPM	OK			
44	0.2 PPM	OK			
45	0.0 PPM	OK			
46	0.0 PPM	OK			
47	0.0 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - SEPTEMBER 5, 2025
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
48	0.0 PPM	OK			
49	22.8 PPM	OK			
50	0.2 PPM	OK			
51	0.1 PPM	OK			
52	0.0 PPM	OK			
53	0.0 PPM	OK			
54	0.1 PPM	OK			
55	0.0 PPM	OK			
56	0.1 PPM	OK			
57	0.1 PPM	OK			
58	0.0 PPM	OK			
59	0.2 PPM	OK			
60	0.1 PPM	OK			
61	0.0 PPM	OK			
62	0.0 PPM	OK			
63	0.3 PPM	OK			
64	0.5 PPM	OK			
65	5.5 PPM	OK			
66	2.3 PPM	OK			
67	0.3 PPM	OK			
68	0.2 PPM	OK			
69	0.1 PPM	OK			
70	0.0 PPM	OK			
71	0.0 PPM	OK			
72	0.1 PPM	OK			
73	0.4 PPM	OK			
74	0.1 PPM	OK			
75	0.0 PPM	OK			
76	0.0 PPM	OK			
77	0.0 PPM	OK			
78	6.1 PPM	OK			
79	2.9 PPM	OK			
80	2.9 PPM	OK			
81	0.4 PPM	OK			
82	0.7 PPM	OK			
83	1.0 PPM	OK			
84	1.6 PPM	OK			
85	0.0 PPM	OK			
86	2.0 PPM	OK			
87	3.3 PPM	OK			
88	2.2 PPM	OK			
89	4.5 PPM	OK			
90	0.7 PPM	OK			
91	0.1 PPM	OK			
92	0.2 PPM	OK			
93	0.2 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - SEPTEMBER 5, 2025
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
94	0.0 PPM	OK			
95	5.5 PPM	OK			
96	3.6 PPM	OK			
97	0.4 PPM	OK			
98	0.8 PPM	OK			
99	1.6 PPM	OK			
100	0.6 PPM	OK			End Serpentine Route
101	0.6 PPM	OK			EW-75
102	0.2 PPM	OK			EW-74
103	0.7 PPM	OK			EW-32R
104	0.2 PPM	OK			EW-71
105	0.1 PPM	OK			EW-69
106	0.2 PPM	OK			EW-72
107	0.1 PPM	OK			EW-62
108	0.0 PPM	OK			EW-33B
109	1.0 PPM	OK			EW-63
110	0.4 PPM	OK			EW-77
111	0.1 PPM	OK			EW-64
112	0.1 PPM	OK			EW-79
113	0.1 PPM	OK			TP-8
114	0.4 PPM	OK			EW-81
115	0.9 PPM	OK			EW-80
116	1.4 PPM	OK			EW-84
117	0.5 PPM	OK			EW-83
118	2.7 PPM	OK			EW-65
119	2123.0 PPM	HIGH_ALARM	36.59978	-82.14805	EW-49
120	6209.0 PPM	HIGH_ALARM	36.59971	-82.14801	TP-7
121	3.4 PPM	OK			EW-50
122	2.5 PPM	OK			EW-36A
123	38.2 PPM	OK			TP-6
124	8.2 PPM	OK			EW-61
125	0.9 PPM	OK			EW-85
126	1.1 PPM	OK			EW-88
127	33.9 PPM	OK			EW-48
128	1404.0 PPM	HIGH_ALARM	36.59931	-82.14742	EW-60
129	1567.0 PPM	HIGH_ALARM	36.59934	-82.14782	EW-87
130	55.5 PPM	OK			EW-38
131	2214.0 PPM	HIGH_ALARM	36.59937	-82.14819	EW-86
132	509.0 PPM	HIGH_ALARM	36.59890	-82.14825	EW-90
133	0.2 PPM	OK			TP-5
134	31.1 PPM	OK			EW-68
135	1391.0 PPM	HIGH_ALARM	36.59900	-82.14749	EW-52
136	1.0 PPM	OK			TP-4
137	3.4 PPM	OK			EW-89
138	5.5 PPM	OK			EW-83
139	172.0 PPM	OK			EW-92

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - SEPTEMBER 5, 2025
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
140	522.0 PPM	HIGH_ALARM	36.59884	-82.14767	EW-91
141	1.0 PPM	OK			EW-51
142	1576.0 PPM	HIGH_ALARM	36.59866	-82.14779	EW-67
143	0.3 PPM	OK			EW-47
144	0.0 PPM	OK			EW-54
145	1.7 PPM	OK			EW-55
146	1.1 PPM	OK			EW-94
147	0.0 PPM	OK			EW-66
148	0.5 PPM	OK			EW-96
149	0.5 PPM	OK			EW-53
150	2.8 PPM	OK			TP-1
151	27.9 PPM	OK			EW-57
152	0.8 PPM	OK			EW-58
153	0.2 PPM	OK			EW-98
154	6.1 PPM	OK			EW-59
155	24.6 PPM	OK			EW-100
156	17.2 PPM	OK			EW-56
157	0.7 PPM	OK			EW-97
158	11.1 PPM	OK			EW-99
159	23100.0 PPM	HIGH_ALARM	36.59835	-82.14834	EW-95
160	127.0 PPM	OK			EW-82
161	0.4 PPM	OK			EW-78
162	16.6 PPM	OK			EW-42
163	138.0 PPM	OK			EW-76
164	4.4 PPM	OK			TP-9
165	0.0 PPM	OK			EW-73
166	2.9 PPM	OK			EW-70

Number of locations sampled:

166

Number of exceedance locations:

10

NOTES:

Points 1 through 100 represent serpentine SEM route.

Points 101 through 166 represent SEM at Pipe Penetrations

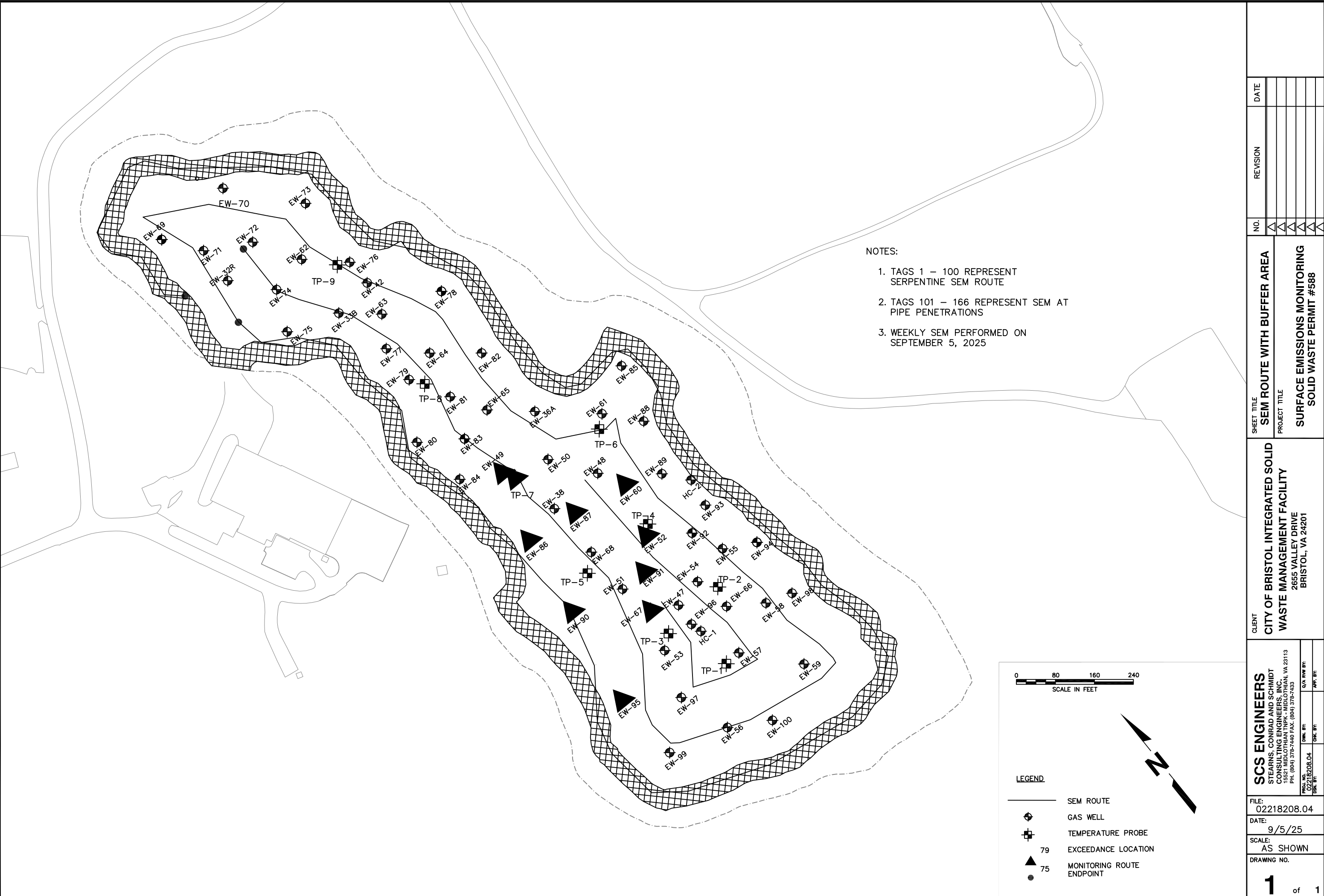
Weather Conditions: Mostly Cloudy/Light Rain 67°F Wind: 5 mph SW

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

9/5/2025	10:42	ZERO	0.1	PPM
9/5/2025	10:55	SPAN	501.0	PPM

Background Reading:

9/5/2025	11:13	Upwind	1.9	PPM
9/5/2025	11:17	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.	02218208.04	DRAWN BY:	C/A R/W BY:
DATE:	09/05/25	CHECK BY:	APP. BY:

FILE:	02218208.04
DATE:	9/5/25
SCALE:	AS SHOWN
DRAWING NO.	1 of 1

September 17, 2025
File No. 02218208.04

Mr. Jonathan Chapman
Enforcement Specialist
Virginia Department of Environmental Quality
SW Regional Office
355-A Deadmore Street
Abingdon, VA 24210

Subject: Weekly Surface Emissions Monitoring Event – September 12, 2025
Bristol Integrated Solid Waste Facility – Bristol, Virginia

Dear Mr. Chapman:

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 September 12, 2025. 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 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, 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). The 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	4
Number of Serpentine Exceedances	0
Number of Pipe Penetration Exceedances	4

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.

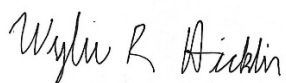
A summary of ongoing exceedance points is provided in Table 2.

Table 2. Ongoing Weekly SEM Exceedances

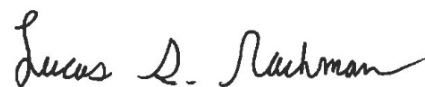
Point ID	Initial Exceedance Date	9/12/25 Event	9/12/25 Event Result	Comments
EW-76	7/15/25	N/A	Passed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-95	7/23/25	N/A	Failed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-49	8/7/25	N/A	Passed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-60	8/11/25	1-Month Retest	Failed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-67	8/11/25	1-Month Retest	Failed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-90	8/7/25	1-Month Retest Follow-Up	Passed	Exceedance Resolved
TP-7	9/5/25	10-Day Retest	Passed	Requires 1-Month Retest
EW-52	9/5/25	10-Day Retest	Passed	Requires 1-Month Retest
EW-86	9/5/25	10-Day Retest	Passed	Requires 1-Month Retest
EW-87	9/5/25	10-Day Retest	Passed	Requires 1-Month Retest
EW-91	9/5/25	10-Day Retest	Passed	Requires 1-Month Retest
EW-96	9/5/25	10-Day Retest	Passed	Requires 1-Month Retest

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: Randall Eads, City of Bristol
Jonathan Hayes, City of Bristol
Laura Socia, City of Bristol
Susan "Tracey" Blalock, VDEQ

Encl. Surface Emissions Monitoring Results
Bristol SEM Route Drawing

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - SEPTEMBER 12, 2025
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
1	2.0 PPM	OK			Start Serpentine Route
2	2.1 PPM	OK			
3	1.7 PPM	OK			
4	1.7 PPM	OK			
5	1.7 PPM	OK			
6	1.7 PPM	OK			
7	1.7 PPM	OK			
8	34.9 PPM	OK			
9	1.7 PPM	OK			
10	1.6 PPM	OK			
11	1.7 PPM	OK			
12	1.7 PPM	OK			
13	1.8 PPM	OK			
14	2.1 PPM	OK			
15	1.9 PPM	OK			
16	1.9 PPM	OK			
17	1.6 PPM	OK			
18	1.5 PPM	OK			
19	1.8 PPM	OK			
20	1.8 PPM	OK			
21	1.9 PPM	OK			
22	2.9 PPM	OK			
23	41.3 PPM	OK			
24	4.7 PPM	OK			
25	3.9 PPM	OK			
26	1.7 PPM	OK			
27	2.2 PPM	OK			
28	3.6 PPM	OK			
29	2.7 PPM	OK			
30	4.2 PPM	OK			
31	3.1 PPM	OK			
32	40.8 PPM	OK			
33	8.9 PPM	OK			
34	2.2 PPM	OK			
35	14.8 PPM	OK			
36	85.2 PPM	OK			
37	20.4 PPM	OK			
38	111.0 PPM	OK			
39	348.0 PPM	OK			
40	105.0 PPM	OK			
41	3.4 PPM	OK			
42	19.6 PPM	OK			
43	1.9 PPM	OK			
44	4.4 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 - SEPTEMBER 12, 2025
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
48	1.7 PPM	OK			
49	1.4 PPM	OK			
50	1.0 PPM	OK			
51	1.0 PPM	OK			
52	1.1 PPM	OK			
53	5.1 PPM	OK			
54	2.6 PPM	OK			
55	1.0 PPM	OK			
56	1.3 PPM	OK			
57	30.8 PPM	OK			
58	1.0 PPM	OK			
59	1.1 PPM	OK			
60	1.0 PPM	OK			
61	1.1 PPM	OK			
62	1.1 PPM	OK			
63	2.7 PPM	OK			
64	176.0 PPM	OK			
65	6.2 PPM	OK			
66	3.0 PPM	OK			
67	3.9 PPM	OK			
68	29.6 PPM	OK			
69	0.9 PPM	OK			
70	0.9 PPM	OK			
71	5.1 PPM	OK			
72	5.3 PPM	OK			
73	9.1 PPM	OK			
74	10.7 PPM	OK			
75	11.0 PPM	OK			
76	0.9 PPM	OK			
77	0.8 PPM	OK			
78	1.0 PPM	OK			
79	1.0 PPM	OK			
80	0.8 PPM	OK			
81	11.2 PPM	OK			
82	2.8 PPM	OK			
83	1.7 PPM	OK			
84	7.8 PPM	OK			
85	2.0 PPM	OK			
86	8.0 PPM	OK			
87	3.2 PPM	OK			
88	2.7 PPM	OK			
89	1.7 PPM	OK			
90	1.7 PPM	OK			
91	13.5 PPM	OK			
92	1.4 PPM	OK			
93	1.4 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - SEPTEMBER 12, 2025
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
94	16.1 PPM	OK			
95	5.8 PPM	OK			
96	0.8 PPM	OK			
97	2.5 PPM	OK			
98	10.5 PPM	OK			
99	5.3 PPM	OK			
100	0.8 PPM	OK			End Serpentine Route
101	169.0 PPM	OK			EW-52
102	239.0 PPM	OK			TP-4
103	928.0 PPM	HIGH_ALRM	36.59924	-82.14742	EW-60
104	55.9 PPM	OK			EW-48
105	131.0 PPM	OK			TP-6
106	2.8 PPM	OK			EW-61
107	1.9 PPM	OK			EW-50
108	3029.0 PPM	HIGH_ALRM	36.59878	-82.14771	EW-67
109	0.7 PPM	OK			EW-47
110	0.7 PPM	OK			EW-54
111	114.0 PPM	OK			EW-55
112	42.3 PPM	OK			EW-92
113	5.0 PPM	OK			EW-91
114	0.7 PPM	OK			EW-96
115	0.9 PPM	OK			EW-66
116	5.4 PPM	OK			EW-58
117	4024.0 PPM	HIGH_ALRM	36.59831	-82.14720	EW-57
118	0.7 PPM	OK			TP-1
119	18.7 PPM	OK			EW-59
120	2.1 PPM	OK			EW-100
121	4.9 PPM	OK			EW-56
122	0.9 PPM	OK			EW-97
123	0.4 PPM	OK			EW-53
124	6.3 PPM	OK			EW-51
125	0.4 PPM	OK			TP-5
126	10.6 PPM	OK			EW-68
127	174.0 PPM	OK			EW-87
128	26.9 PPM	OK			EW-38
129	46.1 PPM	OK			TP-7
130	0.3 PPM	OK			EW-49
131	0.3 PPM	OK			EW-83
132	0.5 PPM	OK			EW-65
133	0.5 PPM	OK			EW-81
134	0.4 PPM	OK			TP-8
135	0.3 PPM	OK			EW-64
136	0.5 PPM	OK			EW-63
137	6.0 PPM	OK			EW-42
138	78.2 PPM	OK			EW-76
139	218.0 PPM	OK			TP-9

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - SEPTEMBER 12, 2025
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
140	0.3 PPM	OK			EW-62
141	0.2 PPM	OK			EW-74
142	0.2 PPM	OK			EW-32R
143	0.1 PPM	OK			EW-69
144	0.2 PPM	OK			EW-71
145	0.1 PPM	OK			EW-72
146	0.2 PPM	OK			EW-70
147	0.2 PPM	OK			EW-73
148	4.9 PPM	OK			EW-78
149	41.6 PPM	OK			EW-82
150	0.4 PPM	OK			EW-36A
151	1.1 PPM	OK			EW-85
152	0.5 PPM	OK			EW-88
153	14.6 PPM	OK			EW-89
154	4.5 PPM	OK			EW-93
155	1.1 PPM	OK			EW-94
156	0.4 PPM	OK			EW-98
157	0.4 PPM	OK			EW-99
158	3099.0 PPM	HIGH_ALRM	36.59802	-82.14811	EW-95
159	51.4 PPM	OK			EW-90
160	447.0 PPM	OK			EW-86
161	0.9 PPM	OK			EW-84
162	1.4 PPM	OK			EW-80
163	0.0 PPM	OK			EW-79
164	0.0 PPM	OK			EW-77
165	91.5 PPM	OK			EW-33B
166	2.2 PPM	OK			EW-75

Number of locations sampled:

166

Number of exceedance locations:

4

NOTES:

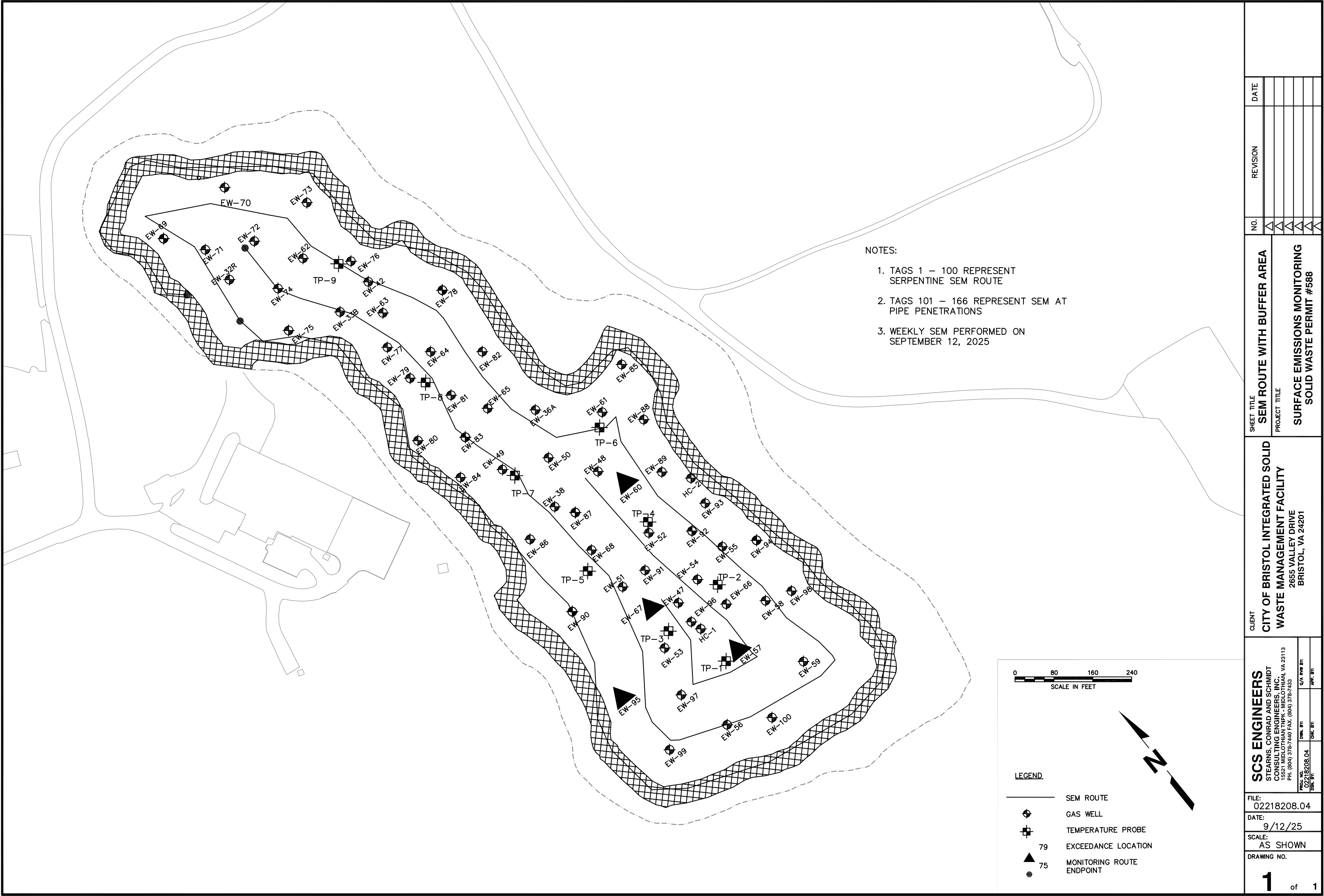
Points 1 through 100 represent serpentine SEM route.
Points 101 through 166 represent SEM at Pipe Penetrations
Weather Conditions: Sunny, 75°F Wind: 4 mph N

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

9/12/2025	11:36	ZERO	0.1	PPM
9/12/2025	11:37	SPAN	500.0	PPM

Background Reading:

9/12/2025	11:40	Upwind	3.2	PPM
9/12/2025	11:44	Downwind	3.3	PPM



September 24, 2025
File No. 02218208.04

Mr. Jonathan Chapman
Enforcement Specialist
Virginia Department of Environmental Quality
SW Regional Office
355-A Deadmore Street
Abingdon, VA 24210

Subject: Weekly Surface Emissions Monitoring Event – September 19, 2025
Bristol Integrated Solid Waste Facility – Bristol, Virginia

Dear Mr. Chapman:

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 September 19, 2025. 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 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, 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). The 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	3
Number of Serpentine Exceedances	0
Number of Pipe Penetration Exceedances	3

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.

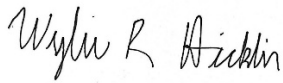
A summary of ongoing exceedance points is provided in Table 2.

Table 2. Ongoing Weekly SEM Exceedances

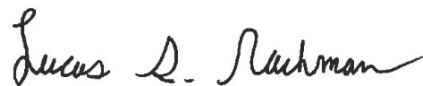
Point ID	Initial Exceedance Date	9/19/25 Event	9/19/25 Event Result	Comments
EW-76	7/15/25	N/A	Passed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-95	7/23/25	N/A	Passed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-49	8/7/25	N/A	Passed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-60	8/11/25	N/A	Passed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-67	8/11/25	N/A	Passed	Subject to 40 CFR 63.1960(c)(4)(v)
TP-7	9/5/25	N/A	Failed	Requires 1-Month Retest
EW-52	9/5/25	N/A	Failed	Requires 1-Month Retest
EW-86	9/5/25	N/A	Failed	Requires 1-Month Retest
EW-87	9/5/25	N/A	Passed	Requires 1-Month Retest
EW-91	9/5/25	N/A	Passed	Requires 1-Month Retest
EW-57	9/12/25	10-Day Retest	Passed	Requires 1-Month Retest

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: Randall Eads, City of Bristol
Jonathan Hayes, City of Bristol
Laura Socia, City of Bristol
Susan "Tracey" Blalock, VDEQ

Encl. Surface Emissions Monitoring Results
Bristol SEM Route Drawing

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS WEEKLY MONITORING EVENT - SEPTEMBER 19, 2025 BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA					
ID #	Methane Concentration	Compliance	GPS Coordinates Lat. Long.		Comments
1	5.0 PPM	OK			Start Serpentine Route
2	6.0 PPM	OK			
3	4.7 PPM	OK			
4	4.9 PPM	OK			
5	5.0 PPM	OK			
6	17.6 PPM	OK			
7	5.3 PPM	OK			
8	5.6 PPM	OK			
9	6.2 PPM	OK			
10	5.6 PPM	OK			
11	5.6 PPM	OK			
12	9.2 PPM	OK			
13	19.1 PPM	OK			
14	5.0 PPM	OK			
15	4.2 PPM	OK			
16	4.4 PPM	OK			
17	4.6 PPM	OK			
18	4.5 PPM	OK			
19	4.6 PPM	OK			
20	5.9 PPM	OK			
21	10.0 PPM	OK			
22	20.4 PPM	OK			
23	5.5 PPM	OK			
24	14.2 PPM	OK			
25	4.8 PPM	OK			
26	4.3 PPM	OK			
27	7.3 PPM	OK			
28	9.6 PPM	OK			
29	6.1 PPM	OK			
30	12.9 PPM	OK			
31	12.7 PPM	OK			
32	194.0 PPM	OK			
33	13.8 PPM	OK			
34	33.9 PPM	OK			
35	11.6 PPM	OK			
36	6.2 PPM	OK			
37	77.7 PPM	OK			
38	3.4 PPM	OK			
39	3.7 PPM	OK			
40	4.1 PPM	OK			
41	3.6 PPM	OK			
42	4.9 PPM	OK			
43	5.4 PPM	OK			
44	3.7 PPM	OK			
45	3.6 PPM	OK			
46	4.2 PPM	OK			
47	3.9 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS WEEKLY MONITORING EVENT - SEPTEMBER 19, 2025 BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA					
ID #	Methane Concentration	Compliance	GPS Coordinates Lat. Long.		Comments
48	3.4 PPM	OK			
49	3.3 PPM	OK			
50	3.1 PPM	OK			
51	3.1 PPM	OK			
52	3.2 PPM	OK			
53	3.0 PPM	OK			
54	3.0 PPM	OK			
55	21.1 PPM	OK			
56	3.4 PPM	OK			
57	4.2 PPM	OK			
58	4.8 PPM	OK			
59	4.0 PPM	OK			
60	4.8 PPM	OK			
61	5.0 PPM	OK			
62	14.4 PPM	OK			
63	2.9 PPM	OK			
64	2.5 PPM	OK			
65	4.2 PPM	OK			
66	2.7 PPM	OK			
67	2.9 PPM	OK			
68	4.2 PPM	OK			
69	17.9 PPM	OK			
70	3.9 PPM	OK			
71	3.5 PPM	OK			
72	5.2 PPM	OK			
73	3.3 PPM	OK			
74	6.4 PPM	OK			
75	6.6 PPM	OK			
76	4.4 PPM	OK			
77	2.8 PPM	OK			
78	2.1 PPM	OK			
79	3.9 PPM	OK			
80	2.7 PPM	OK			
81	2.7 PPM	OK			
82	2.4 PPM	OK			
83	6.6 PPM	OK			
84	3.0 PPM	OK			
85	11.2 PPM	OK			
86	3.4 PPM	OK			
87	2.7 PPM	OK			
88	3.3 PPM	OK			
89	2.2 PPM	OK			
90	2.3 PPM	OK			
91	3.6 PPM	OK			
92	2.9 PPM	OK			
93	17.0 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS WEEKLY MONITORING EVENT - SEPTEMBER 19, 2025 BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA					
ID #	Methane Concentration	Compliance	GPS Coordinates Lat. Long.		Comments
94	2.5 PPM	OK			
95	2.7 PPM	OK			
96	5.8 PPM	OK			
97	2.4 PPM	OK			
98	2.3 PPM	OK			
99	2.7 PPM	OK			
100	2.0 PPM	OK			End Serpentine Route
101	2.5 PPM	OK			EW-75
102	2.8 PPM	OK			EW-74
103	2.4 PPM	OK			EW-32R
104	1.9 PPM	OK			EW-71
105	1.8 PPM	OK			EW-69
106	1.8 PPM	OK			EW-72
107	1.9 PPM	OK			EW-62
108	12.5 PPM	OK			EW-33B
109	1.5 PPM	OK			EW-63
110	1.4 PPM	OK			EW-77
111	1.5 PPM	OK			EW-64
112	1.3 PPM	OK			EW-79
113	1.4 PPM	OK			TP-8
114	1.3 PPM	OK			EW-81
115	1.2 PPM	OK			EW-65
116	1.4 PPM	OK			EW-83
117	1.2 PPM	OK			EW-80
118	1.2 PPM	OK			EW-84
119	1.5 PPM	OK			EW-49
120	629.0 PPM	HIGH_ALRM	36.59982	-82.14800	TP-7
121	1.3 PPM	OK			EW-50
122	15.6 PPM	OK			TP-6
123	4.2 PPM	OK			EW-61
124	5.0 PPM	OK			EW-85
125	23.4 PPM	OK			EW-88
126	5.3 PPM	OK			EW-89
127	57.4 PPM	OK			EW-60
128	19.0 PPM	OK			EW-48
129	201.0 PPM	OK			EW-87
130	3.8 PPM	OK			EW-38
131	599.0 PPM	HIGH_ALRM	36.5993719	-82.148189	EW-86
132	121.0 PPM	OK			EW-90
133	1.1 PPM	OK			TP-5
134	11.8 PPM	OK			EW-68
135	1.3 PPM	OK			EW-51
136	1.0 PPM	OK			EW-91
137	1815.0 PPM	HIGH_ALRM	36.59900	-82.14768	EW-52
138	27.8 PPM	OK			TP-4
139	179.0 PPM	OK			EW-92

**EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - SEPTEMBER 19, 2025
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA**

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
140	1.6 PPM	OK			EW-93
141	9.0 PPM	OK			EW-94
142	22.3 PPM	OK			EW-55
143	1.2 PPM	OK			EW-54
144	0.8 PPM	OK			EW-47
145	90.0 PPM	OK			EW-67
146	12.3 PPM	OK			EW-53
147	1.1 PPM	OK			EW-96
148	2.8 PPM	OK			TP-1
149	18.2 PPM	OK			EW-57
150	1.7 PPM	OK			EW-66
151	267.0 PPM	OK			EW-58
152	10.8 PPM	OK			EW-98
153	7.7 PPM	OK			EW-59
154	4.5 PPM	OK			EW-100
155	6.2 PPM	OK			EW-56
156	1.3 PPM	OK			EW-97
157	1.8 PPM	OK			EW-99
158	253.0 PPM	OK			EW-95
159	0.5 PPM	OK			EW-36A
160	28.9 PPM	OK			EW-82
161	0.7 PPM	OK			EW-78
162	63.9 PPM	OK			EW-42
163	14.8 PPM	OK			EW-76
164	97.0 PPM	OK			TP-9
165	7.2 PPM	OK			EW-73
166	0.4 PPM	OK			EW-70

Number of locations sampled: 166

Number of exceedance locations: 3

NOTES:

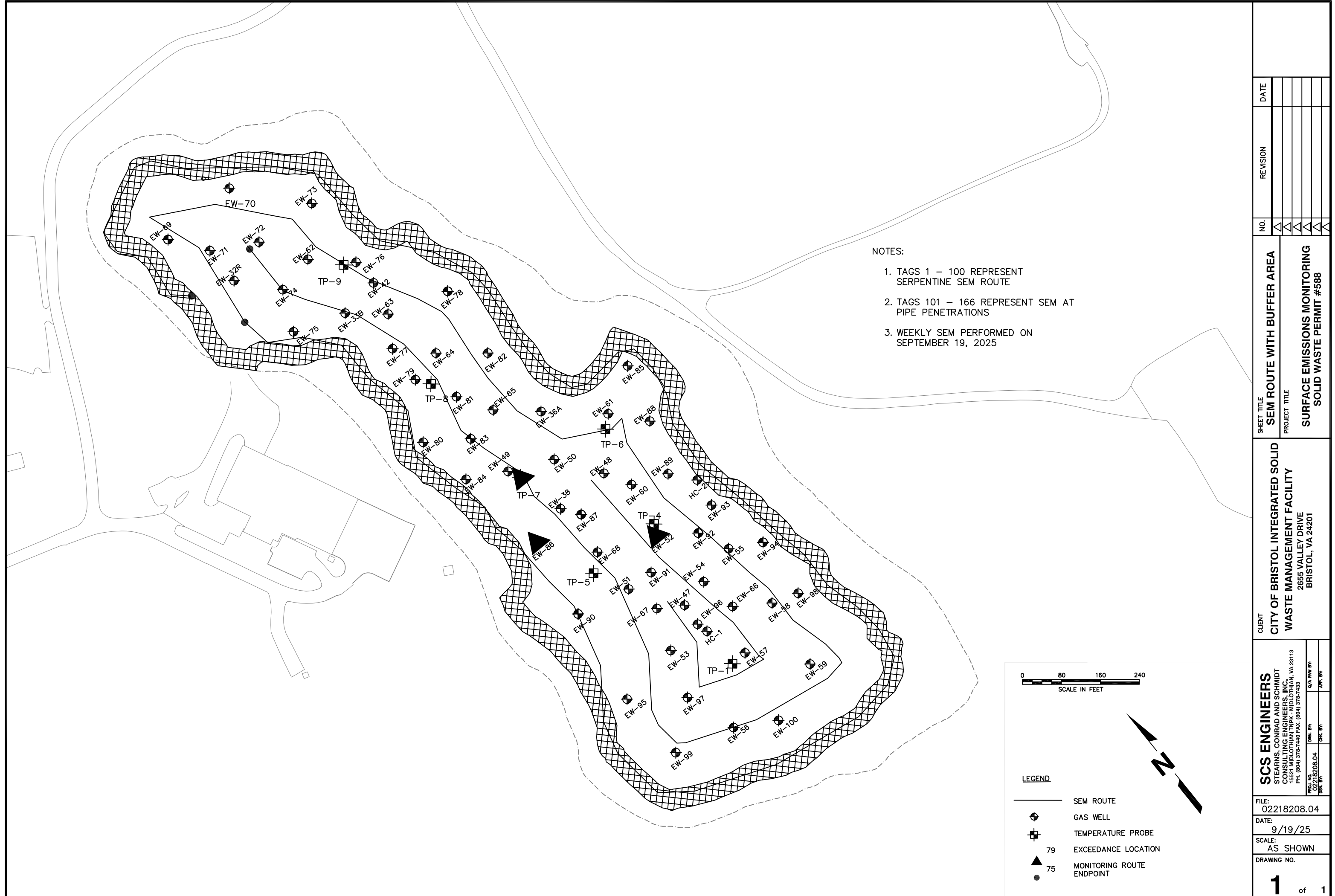
Points 1 through 100 represent serpentine SEM route.
Points 101 through 166 represent SEM at Pipe Penetrations
Weather Conditions: Sunny, 75°F Wind: 2 mph NW

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

9/12/2025	11:31	ZERO	0.0	PPM
9/12/2025	11:35	SPAN	499.0	PPM

Background Reading:

9/12/2025	11:48	Upwind	3.6	PPM
9/12/2025	11:55	Downwind	3.6	PPM



October 1, 2025
File No. 02218208.04

Mr. Jonathan Chapman
Enforcement Specialist
Virginia Department of Environmental Quality
SW Regional Office
355-A Deadmore Street
Abingdon, VA 24210

Subject: Weekly Surface Emissions Monitoring Event – September 26, 2025
Bristol Integrated Solid Waste Facility – Bristol, Virginia

Dear Mr. Chapman:

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 September 26, 2025. 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 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, 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). The 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	2
Number of Serpentine Exceedances	0
Number of Pipe Penetration Exceedances	2

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

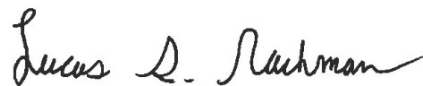
Point ID	Initial Exceedance Date	9/19/25 Event	9/19/25 Event Result	Comments
EW-76	7/15/25	N/A	Passed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-95	7/23/25	N/A	Passed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-49	8/7/25	N/A	Passed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-60	8/11/25	N/A	Passed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-67	8/11/25	N/A	Passed	Subject to 40 CFR 63.1960(c)(4)(v)
TP-7	9/5/25	Second 10-Day Retest	Failed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-52	9/5/25	Second 10-Day Retest	Failed	Subject to 40 CFR 63.1960(c)(4)(v)
EW-86	9/5/25	N/A	Passed	Requires 1-Month Retest
EW-87	9/5/25	N/A	Passed	Requires 1-Month Retest
EW-91	9/5/25	N/A	Passed	Requires 1-Month Retest
EW-57	9/12/25	N/A	Passed	Requires 1-Month Retest

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

Sincerely,



William J. Fabrie
Project Professional
SCS Engineers



Lucas S. Nachman
Senior Project Professional
SCS Engineers

LSN/WJF

cc: Randall Eads, City of Bristol
Jonathan Hayes, City of Bristol
Laura Socia, City of Bristol
Susan "Tracey" Blalock, VDEQ

Encl. Surface Emissions Monitoring Results
Bristol SEM Route Drawing

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS WEEKLY MONITORING EVENT - SEPTEMBER 26, 2025 BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA					
ID #	Methane Concentration	Compliance	GPS Coordinates Lat. Long.		Comments
1	1.8 PPM	OK			Start Serpentine Route
2	3.8 PPM	OK			
3	1.6 PPM	OK			
4	1.5 PPM	OK			
5	1.5 PPM	OK			
6	1.9 PPM	OK			
7	2.5 PPM	OK			
8	2.6 PPM	OK			
9	2.5 PPM	OK			
10	2.1 PPM	OK			
11	1.8 PPM	OK			
12	2.8 PPM	OK			
13	2.4 PPM	OK			
14	2.2 PPM	OK			
15	2.6 PPM	OK			
16	2.5 PPM	OK			
17	2.0 PPM	OK			
18	1.6 PPM	OK			
19	1.5 PPM	OK			
20	2.3 PPM	OK			
21	4.4 PPM	OK			
22	5.1 PPM	OK			
23	2.6 PPM	OK			
24	20.1 PPM	OK			
25	5.8 PPM	OK			
26	3.4 PPM	OK			
27	7.9 PPM	OK			
28	2.3 PPM	OK			
29	2.0 PPM	OK			
30	3.2 PPM	OK			
31	1.7 PPM	OK			
32	2.6 PPM	OK			
33	9.7 PPM	OK			
34	2.6 PPM	OK			
35	3.9 PPM	OK			
36	28.9 PPM	OK			
37	21.6 PPM	OK			
38	17.0 PPM	OK			
39	5.1 PPM	OK			
40	33.8 PPM	OK			
41	2.8 PPM	OK			
42	1.9 PPM	OK			
43	1.6 PPM	OK			
44	1.6 PPM	OK			
45	2.8 PPM	OK			
46	1.7 PPM	OK			
47	8.2 PPM	OK			

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - SEPTEMBER 26, 2025
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
48	1.6 PPM	OK			
49	2.5 PPM	OK			
50	2.1 PPM	OK			
51	1.3 PPM	OK			
52	1.1 PPM	OK			
53	188.0 PPM	OK			
54	1.2 PPM	OK			
55	1.2 PPM	OK			
56	1.1 PPM	OK			
57	1.0 PPM	OK			
58	1.1 PPM	OK			
59	4.2 PPM	OK			
60	25.9 PPM	OK			
61	3.1 PPM	OK			
62	1.9 PPM	OK			
63	2.9 PPM	OK			
64	2.0 PPM	OK			
65	2.6 PPM	OK			
66	2.1 PPM	OK			
67	14.7 PPM	OK			
68	4.4 PPM	OK			
69	4.0 PPM	OK			
70	4.6 PPM	OK			
71	1.2 PPM	OK			
72	1.1 PPM	OK			
73	13.3 PPM	OK			
74	14.1 PPM	OK			
75	1.7 PPM	OK			
76	1.0 PPM	OK			
77	0.8 PPM	OK			
78	0.9 PPM	OK			
79	5.7 PPM	OK			
80	1.4 PPM	OK			
81	1.8 PPM	OK			
82	5.0 PPM	OK			
83	1.7 PPM	OK			
84	1.5 PPM	OK			
85	3.0 PPM	OK			
86	1.4 PPM	OK			
87	3.7 PPM	OK			
88	1.5 PPM	OK			
89	1.0 PPM	OK			
90	1.3 PPM	OK			
91	12.8 PPM	OK			
92	4.4 PPM	OK			
93	5.3 PPM	OK			

**EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS
WEEKLY MONITORING EVENT - SEPTEMBER 26, 2025
BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA**

ID #	Methane Concentration	Compliance	GPS Coordinates		Comments
			Lat.	Long.	
94	49.1 PPM	OK			
95	0.9 PPM	OK			
96	1.4 PPM	OK			
97	1.5 PPM	OK			
98	0.9 PPM	OK			
99	0.8 PPM	OK			
100	3.5 PPM	OK			End Serpentine Route
101	1023.0 PPM	HIGH_ALRM	36.59900	-82.14768	EW-52
102	9.5 PPM	OK			TP-4
103	172.0 PPM	OK			EW-60
104	27.0 PPM	OK			EW-48
105	13.8 PPM	OK			TP-6
106	39.0 PPM	OK			EW-61
107	0.6 PPM	OK			EW-50
108	125.0 PPM	OK			EW-67
109	0.8 PPM	OK			EW-47
110	0.8 PPM	OK			EW-54
111	0.8 PPM	OK			EW-55
112	14.7 PPM	OK			EW-92
113	3.2 PPM	OK			EW-91
114	0.7 PPM	OK			EW-96
115	0.8 PPM	OK			EW-66
116	0.8 PPM	OK			EW-58
117	74.6 PPM	OK			EW-57
118	4.5 PPM	OK			TP-1
119	15.9 PPM	OK			EW-59
120	4.5 PPM	OK			EW-100
121	1.3 PPM	OK			EW-56
122	0.9 PPM	OK			EW-97
123	1.6 PPM	OK			EW-53
124	4.1 PPM	OK			EW-51
125	1.3 PPM	OK			TP-5
126	1.7 PPM	OK			EW-68
127	3.8 PPM	OK			EW-87
128	0.5 PPM	OK			EW-38
129	889.0 PPM	HIGH_ALRM	36.59982	-82.14800	TP-7
130	3.9 PPM	OK			EW-49
131	2.0 PPM	OK			EW-83
132	0.5 PPM	OK			EW-65
133	0.5 PPM	OK			EW-81
134	0.4 PPM	OK			TP-8
135	0.5 PPM	OK			EW-64
136	0.4 PPM	OK			EW-63
137	29.8 PPM	OK			EW-42
138	178.0 PPM	OK			EW-76
139	0.4 PPM	OK			TP-9

EXHIBIT 1. SURFACE EMISSIONS MONITORING RESULTS WEEKLY MONITORING EVENT - SEPTEMBER 26, 2025 BRISTOL INTEGRATED SOLID WASTE FACILITY - BRISTOL, VIRGINIA					
ID #	Methane Concentration	Compliance	GPS Coordinates Lat. Long.		Comments
140	0.5 PPM	OK			EW-62
141	0.4 PPM	OK			EW-74
142	0.9 PPM	OK			EW-32R
143	0.4 PPM	OK			EW-69
144	0.3 PPM	OK			EW-71
145	0.3 PPM	OK			EW-72
146	0.4 PPM	OK			EW-70
147	0.4 PPM	OK			EW-73
148	1.8 PPM	OK			EW-78
149	90.2 PPM	OK			EW-82
150	2.4 PPM	OK			EW-36A
151	0.5 PPM	OK			EW-85
152	3.0 PPM	OK			EW-88
153	4.3 PPM	OK			EW-89
154	1.4 PPM	OK			EW-93
155	0.8 PPM	OK			EW-94
156	4.3 PPM	OK			EW-98
157	0.4 PPM	OK			EW-99
158	22.4 PPM	OK			EW-95
159	14.7 PPM	OK			EW-90
160	177.0 PPM	OK			EW-86
161	0.3 PPM	OK			EW-84
162	0.9 PPM	OK			EW-80
163	0.8 PPM	OK			EW-79
164	1.2 PPM	OK			EW-77
165	0.2 PPM	OK			EW-33B
166	11.7 PPM	OK			EW-75
Number of locations sampled: 166 Number of exceedance locations: 2					
NOTES: Points 1 through 100 represent serpentine SEM route. Points 101 through 166 represent SEM at Pipe Penetrations Weather Conditions: Sunny, 70°F Wind: 7 mph NW <u>Sampling Calibration: Methane - 500 ppm, Zero Air - 0.0 ppm</u> 9/26/2025 9:53 ZERO 0.0 PPM 9/26/2025 9:55 SPAN 504.0 PPM <u>Background Reading:</u> 9/26/2025 10:00 Upwind 1.7 PPM 9/26/2025 10:07 Downwind 3.3 PPM					

Appendix B

In-Waste Temperatures on Select Days in September

Appendix B Figures

Figure B - 1 Average Temperatures Recorded by TP-1 on September 3, 2025.....	B-3
Figure B - 2 Average Temperatures Recorded by TP-1 on September 10, 2025.....	B-3
Figure B - 3 Average Temperatures Recorded by TP-1 on September 17, 2025.....	B-4
Figure B - 4 Average Temperatures Recorded by TP-1 on September 24, 2025.....	B-4
Figure B - 5 Average Temperatures Recorded by TP-5 on September 3, 2025.....	B-5
Figure B - 6 Average Temperatures Recorded by TP-5 on September 10, 2025.....	B-5
Figure B - 7 Average Temperatures Recorded by TP-5 on September 17, 2025.....	B-6
Figure B - 8 Average Temperatures Recorded by TP-5 on September 24, 2025.....	B-6
Figure B - 9 Average Temperatures Recorded by TP-6 on September 3, 2025.....	B-7
Figure B - 10 Average Temperatures Recorded by TP-6 on September 10, 2025	B-7
Figure B - 11 Average Temperatures Recorded by TP-6 on September 17, 2025	B-8
Figure B - 12 Average Temperatures Recorded by TP-6 on September 24, 2025	B-8
Figure B - 13 Average Temperatures Recorded by TP-7 on September 3, 2025.....	B-9
Figure B - 14 Average Temperatures Recorded by TP-7 on September 10, 2025	B-9
Figure B - 15 Average Temperatures Recorded by TP-7 on September 17, 2025	B-10
Figure B - 16 Average Temperatures Recorded by TP-7 on September 24, 2025	B-10
Figure B - 17 Average Temperatures Recorded by TP-8 on September 3, 2025.....	B-11
Figure B - 18 Average Temperatures Recorded by TP-8 on September 10, 2025	B-11
Figure B - 19 Average Temperatures Recorded by TP-8 on September 17, 2025	B-12
Figure B - 20 Average Temperatures Recorded by TP-8 on September 24, 2025	B-12
Figure B - 21 Average Temperatures Recorded by TP-9 on September 3, 2025.....	B-13
Figure B - 22 Average Temperatures Recorded by TP-9 on September 10, 2025	B-13
Figure B - 23 Average Temperatures Recorded by TP-9 on September 17, 2025	B-14
Figure B - 24 Average Temperatures Recorded by TP-9 on September 24, 2025	B-14

Figure B - 1 Average Temperatures Recorded by TP-1 on September 3, 2025

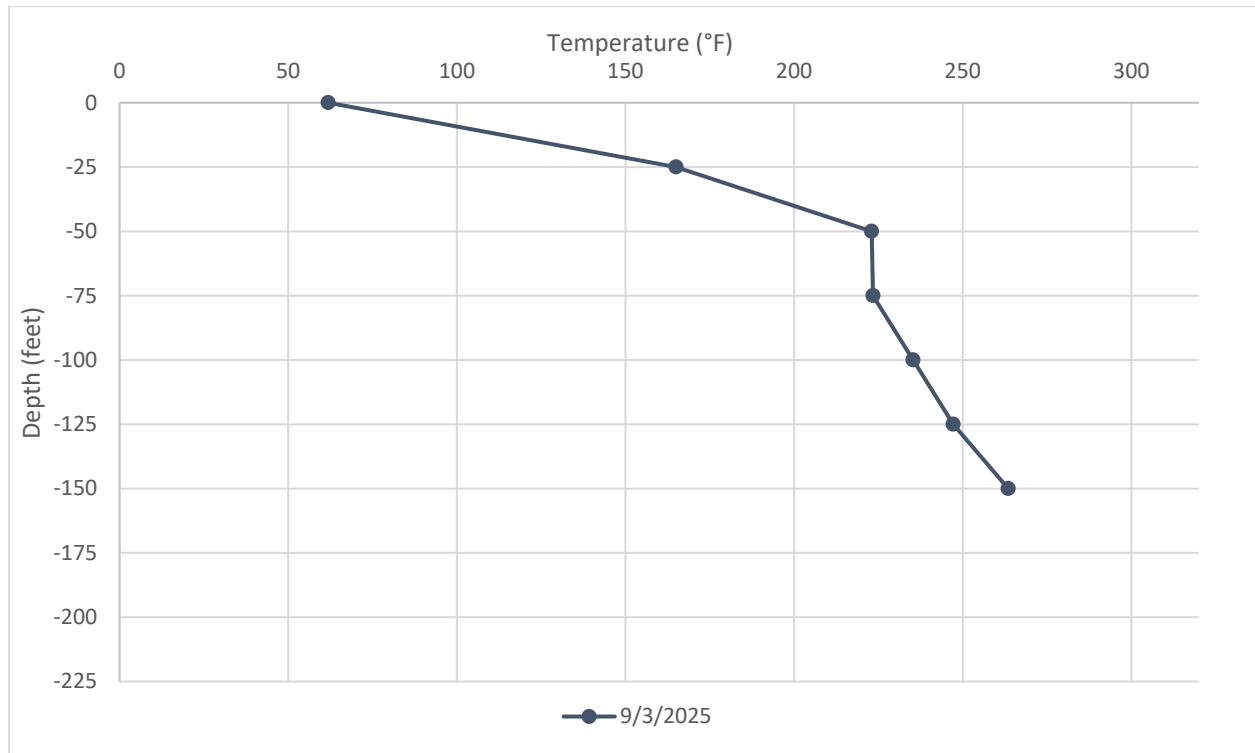


Figure B - 2 Average Temperatures Recorded by TP-1 on September 10, 2025

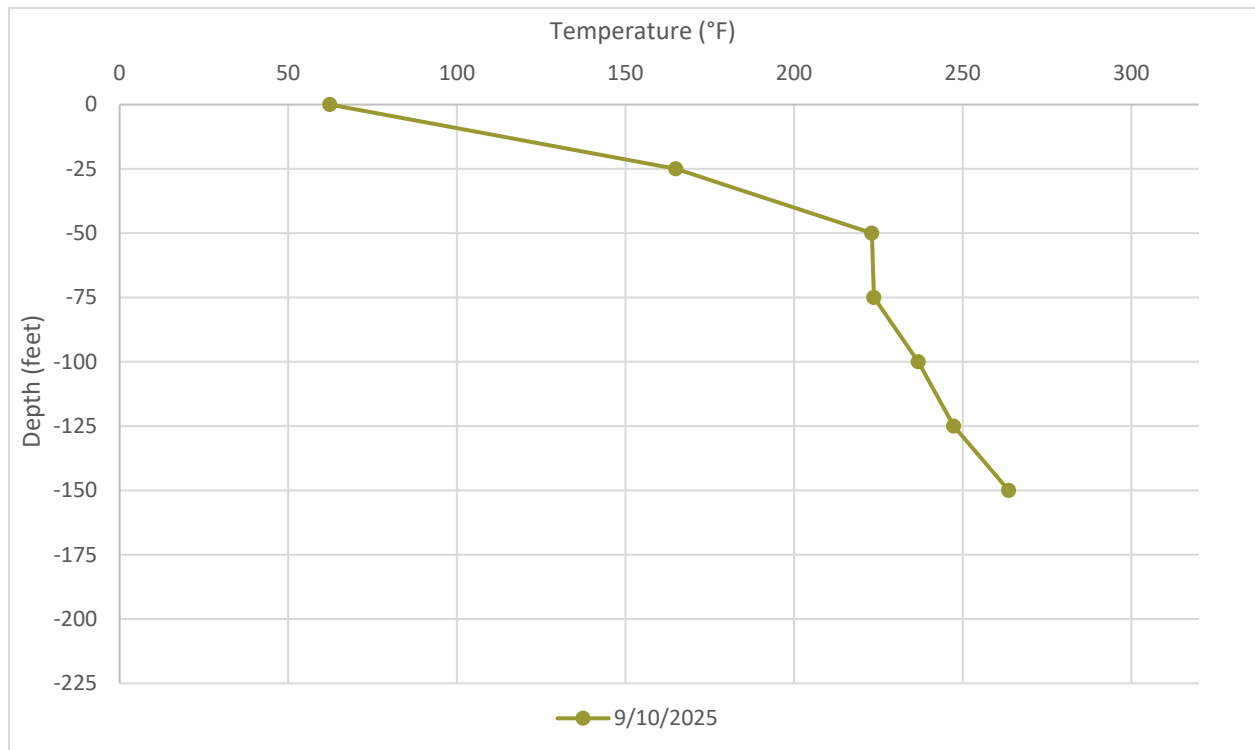


Figure B - 3 Average Temperatures Recorded by TP-1 on September 17, 2025

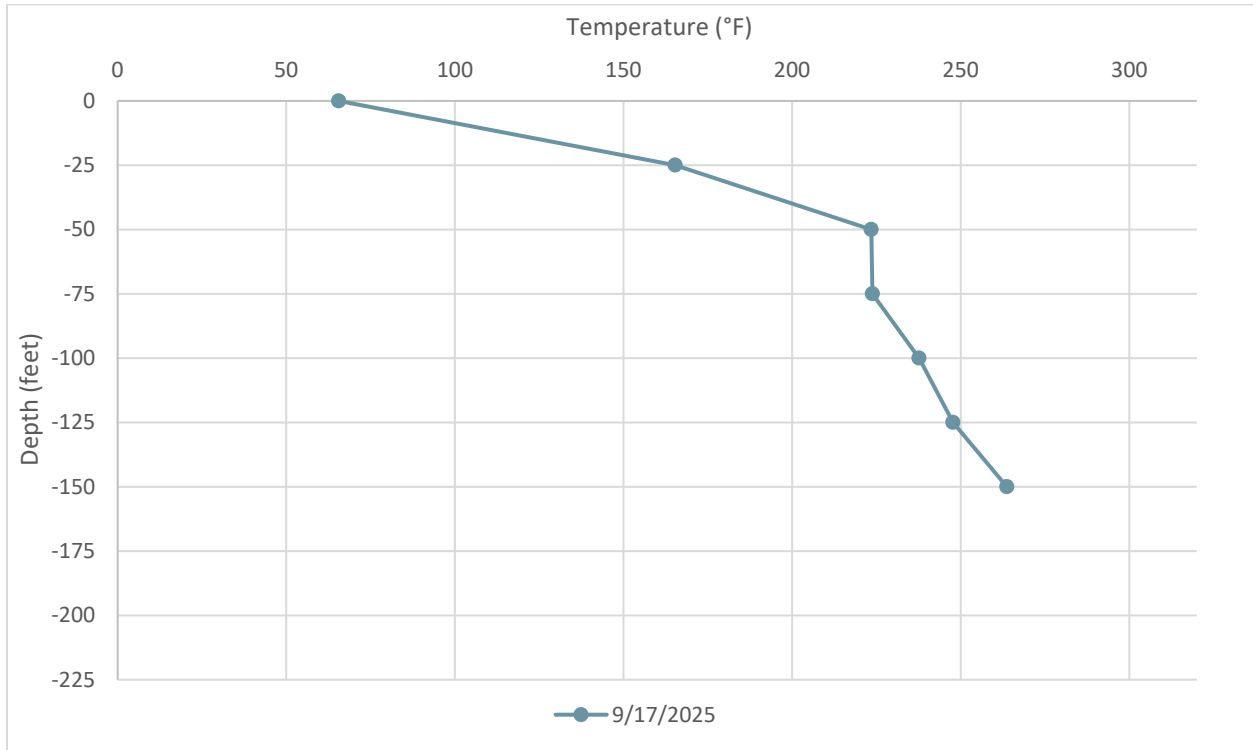


Figure B - 4 Average Temperatures Recorded by TP-1 on September 24, 2025

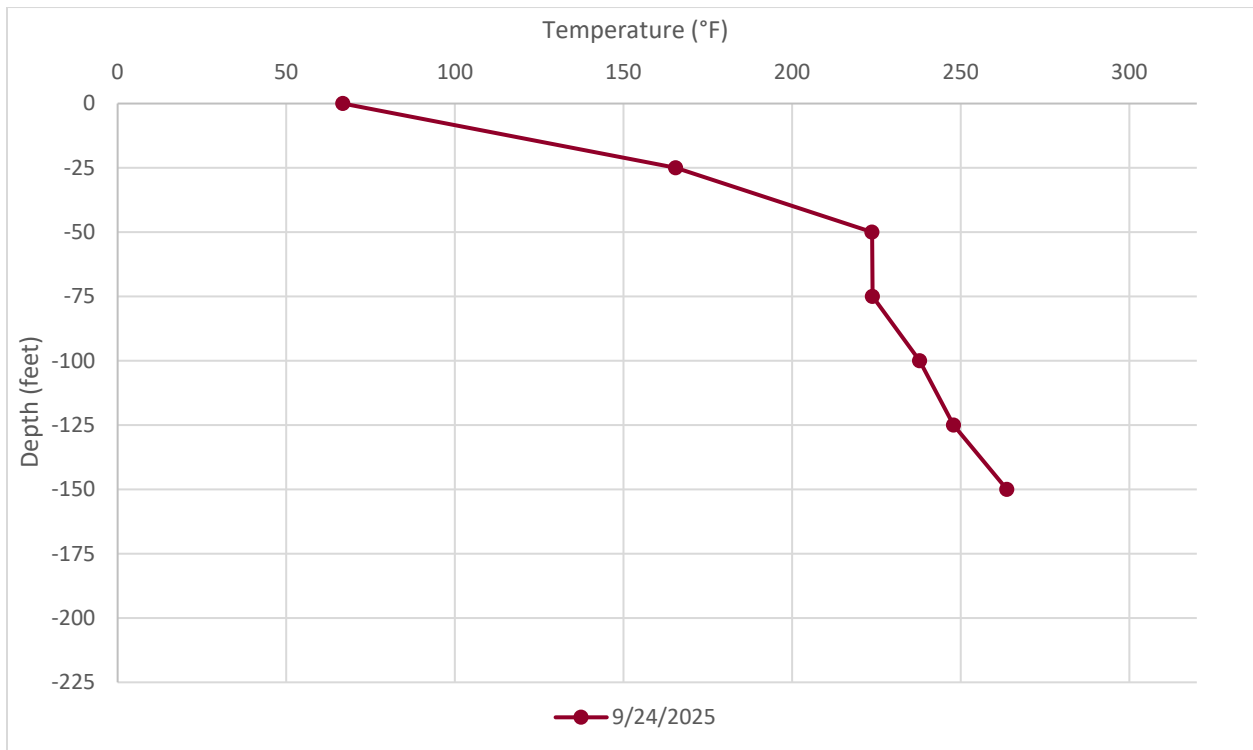


Figure B - 5 Average Temperatures Recorded by TP-5 on September 3, 2025

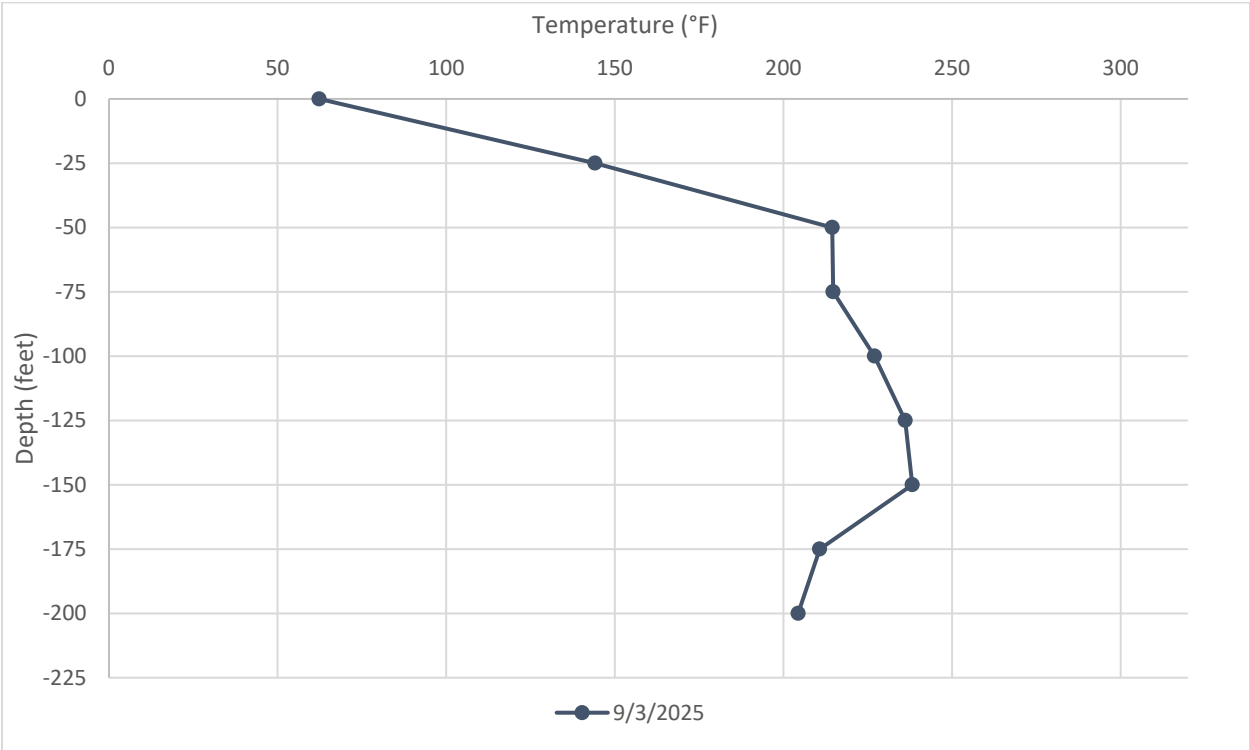


Figure B - 6 Average Temperatures Recorded by TP-5 on September 10, 2025

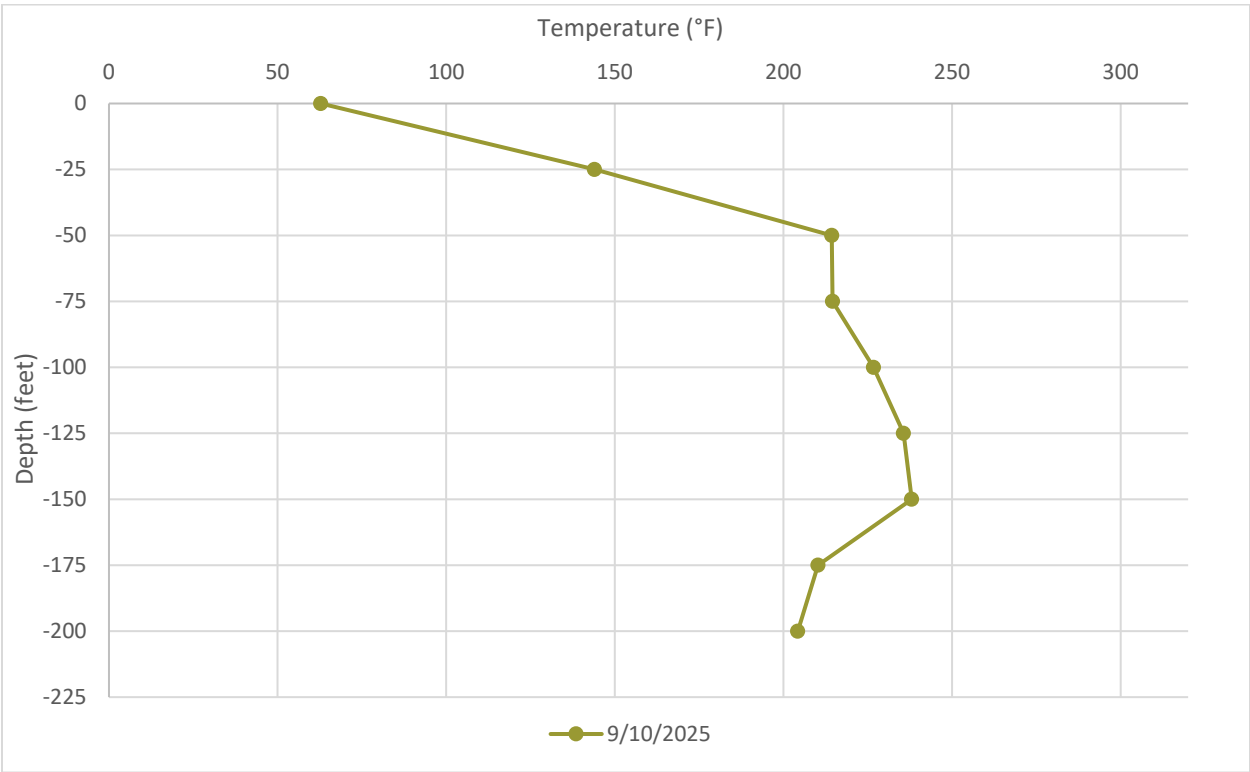


Figure B - 7 Average Temperatures Recorded by TP-5 on September 17, 2025

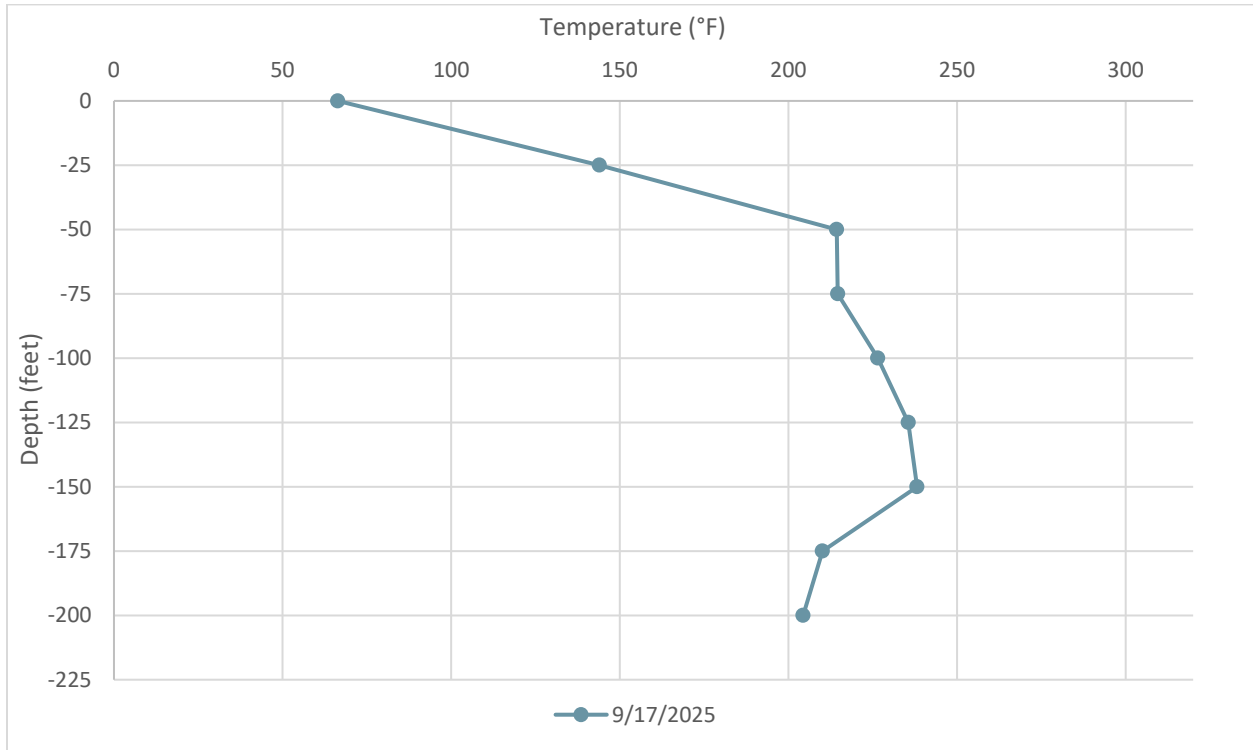


Figure B - 8 Average Temperatures Recorded by TP-5 on September 24, 2025

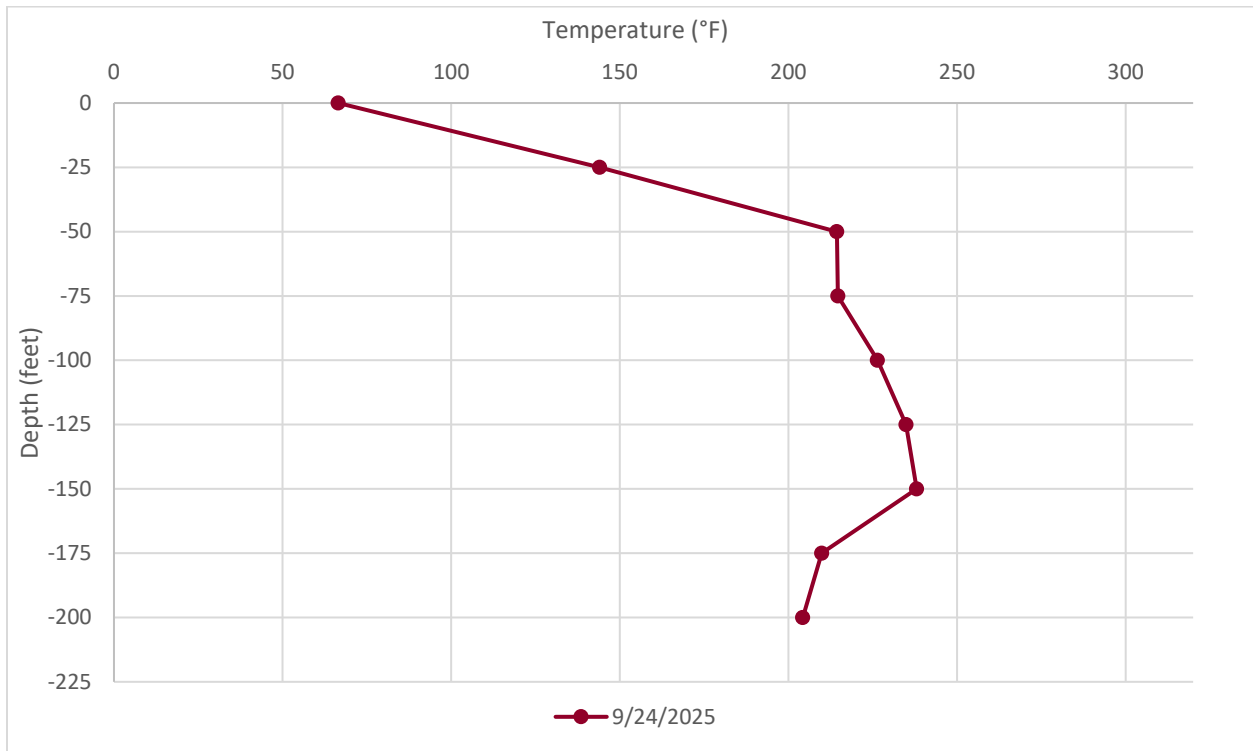


Figure B - 9 Average Temperatures Recorded by TP-6 on September 3, 2025

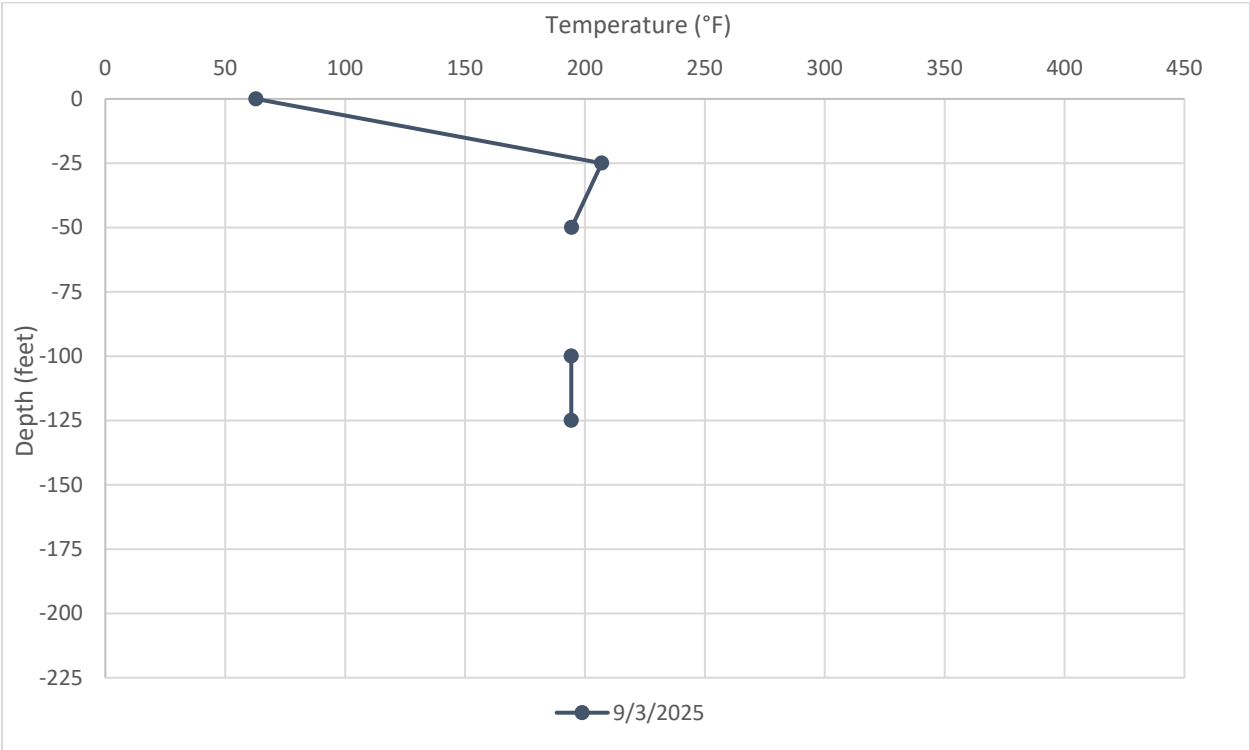


Figure B - 10 Average Temperatures Recorded by TP-6 on September 10, 2025

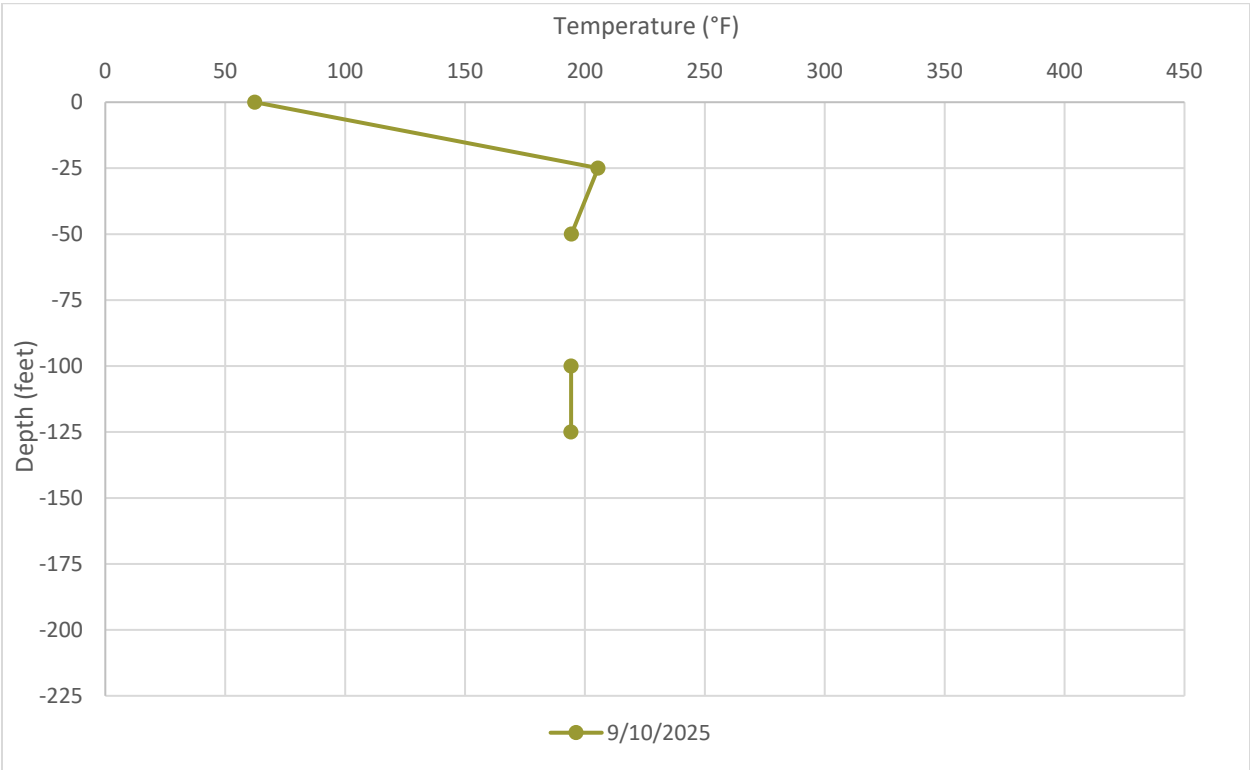


Figure B - 11 Average Temperatures Recorded by TP-6 on September 17, 2025

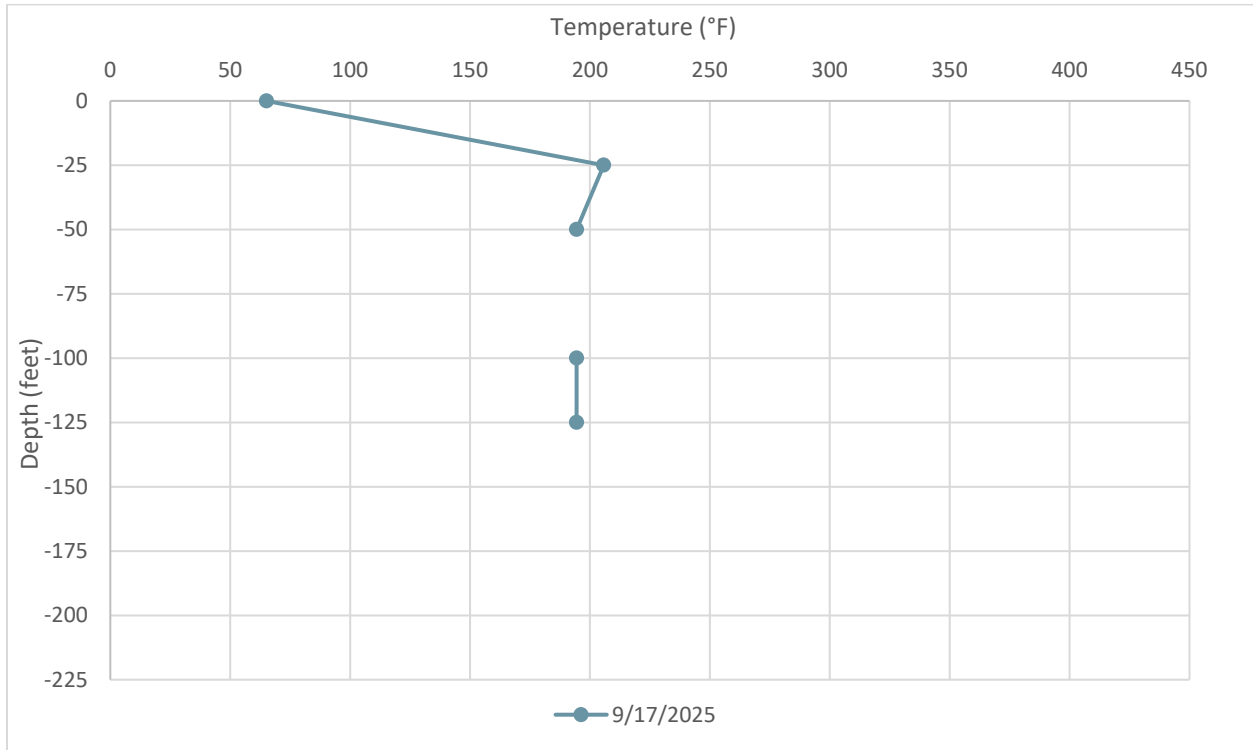


Figure B - 12 Average Temperatures Recorded by TP-6 on September 24, 2025

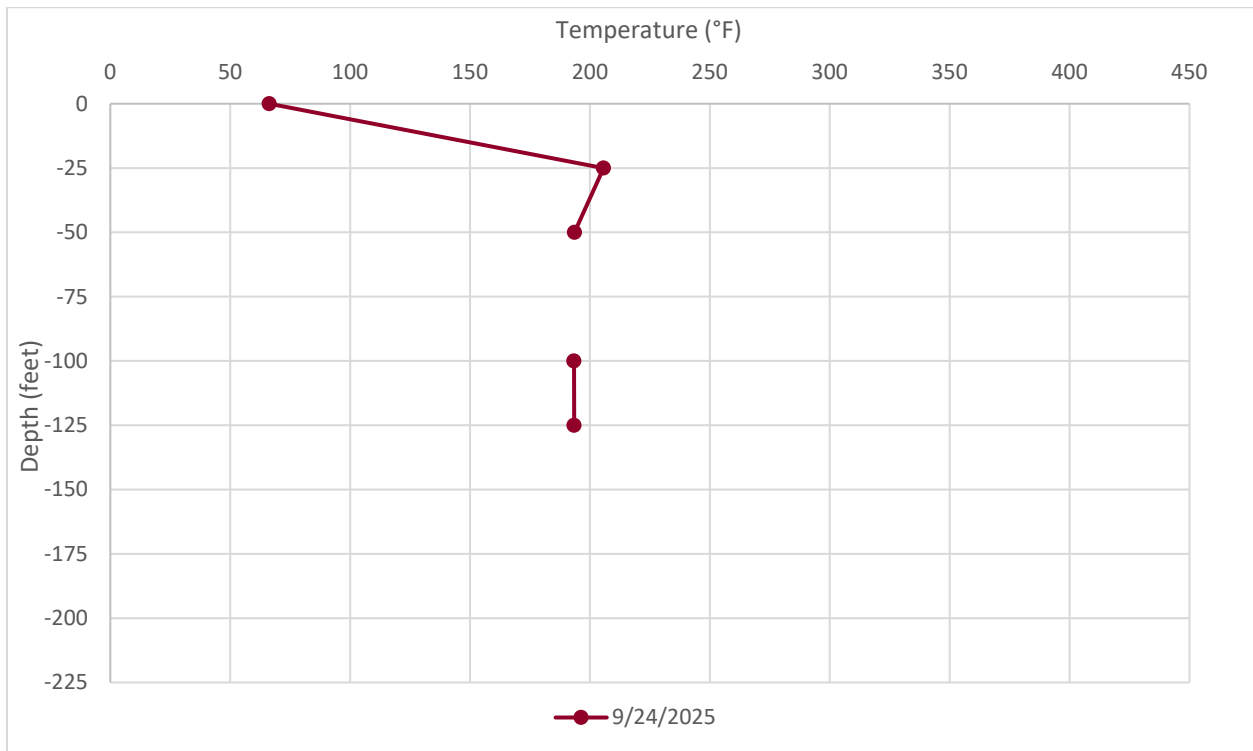


Figure B - 13 Average Temperatures Recorded by TP-7 on September 3, 2025

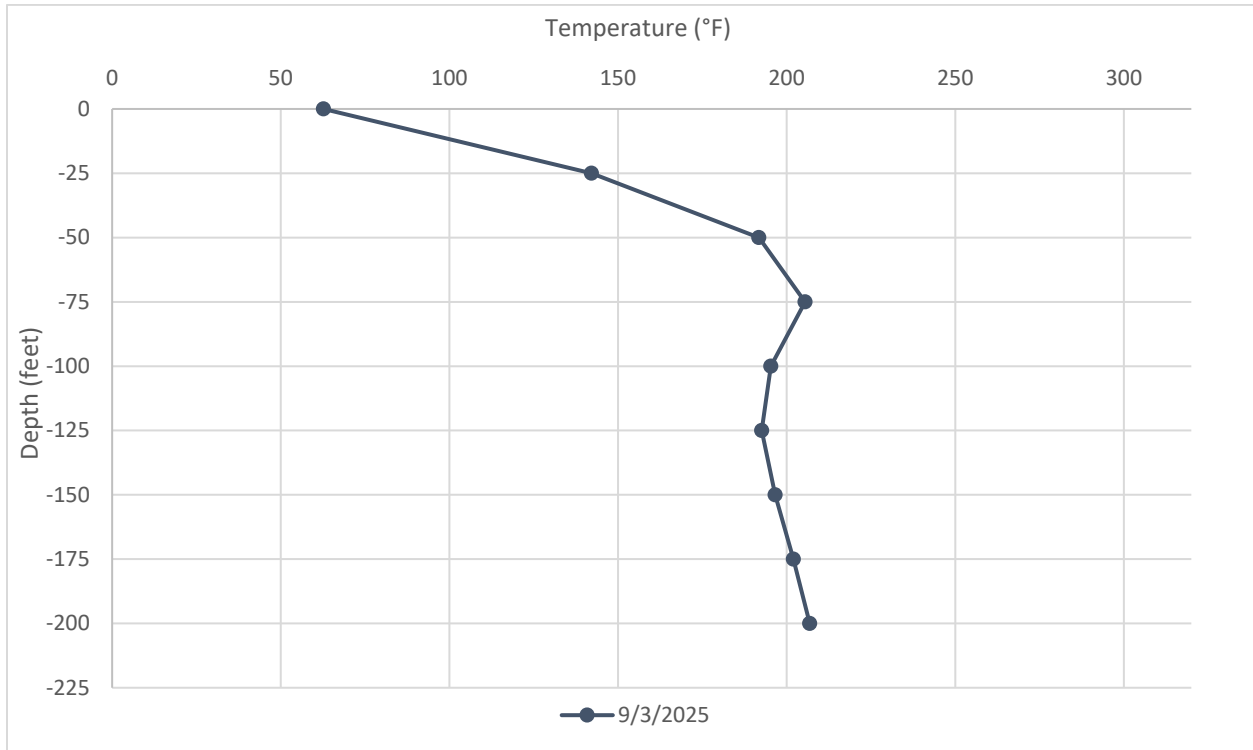


Figure B - 14 Average Temperatures Recorded by TP-7 on September 10, 2025

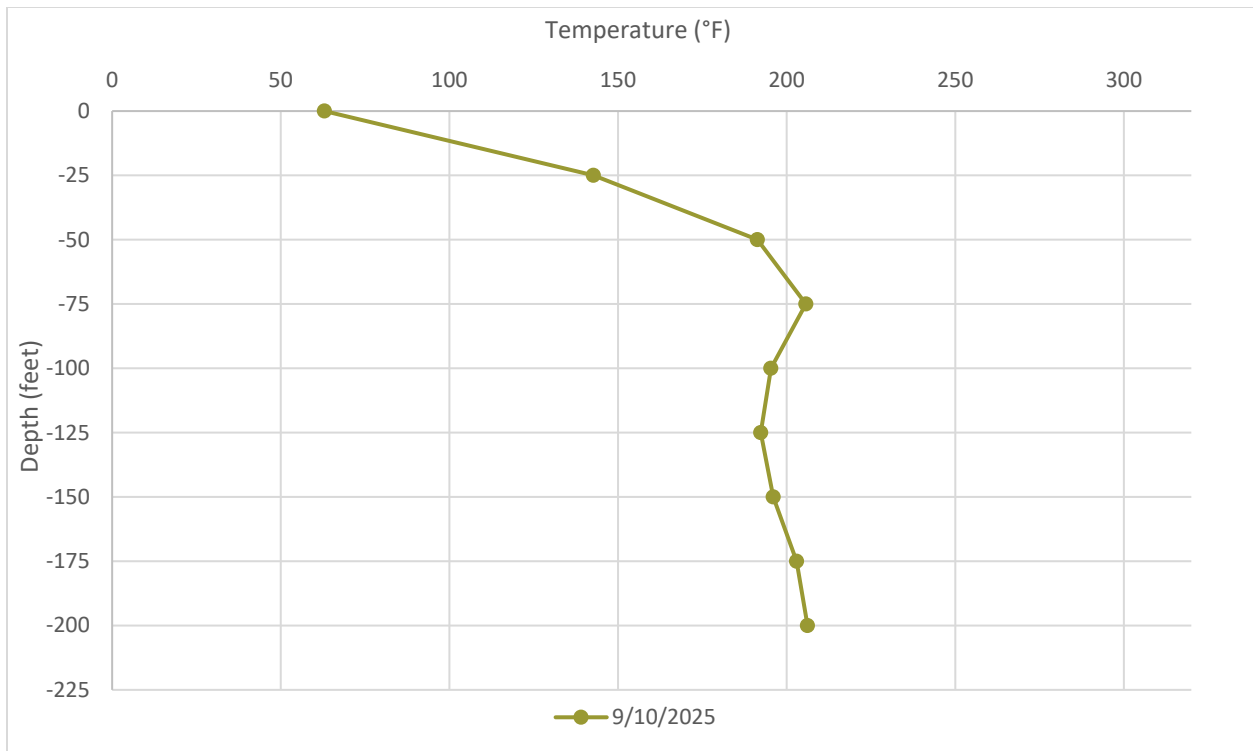


Figure B - 15 Average Temperatures Recorded by TP-7 on September 17, 2025

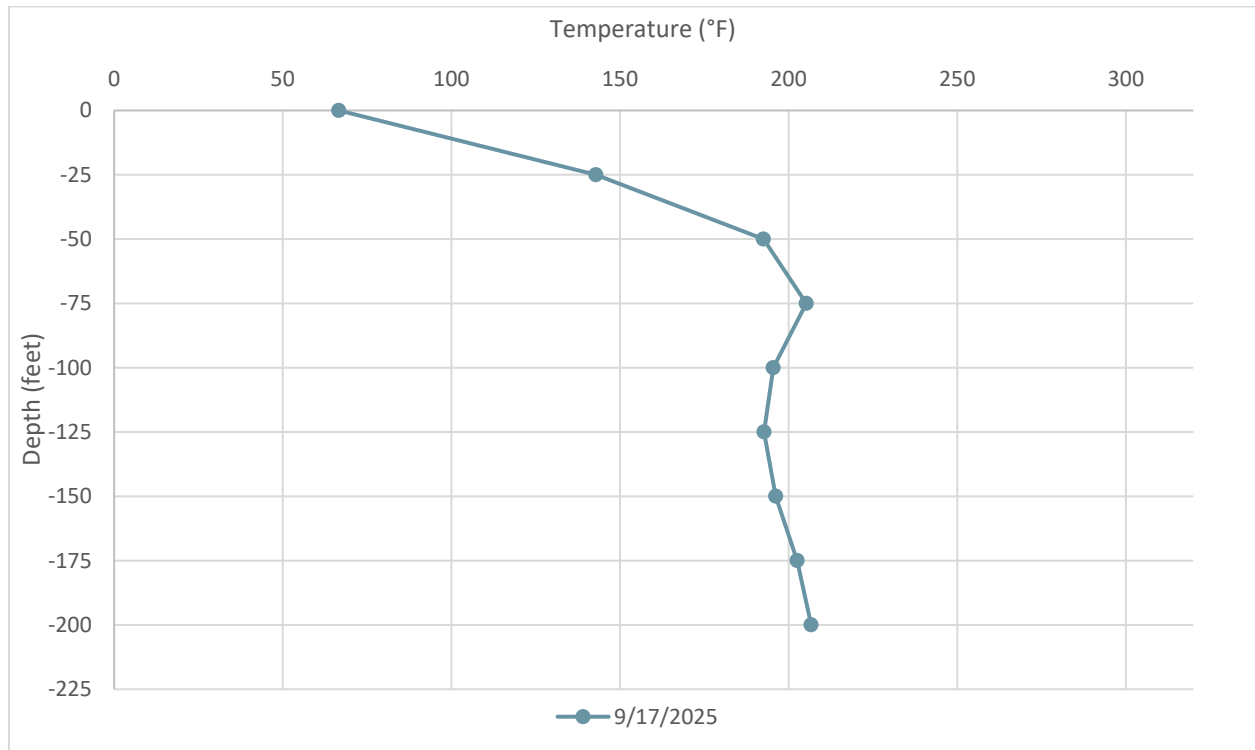


Figure B - 16 Average Temperatures Recorded by TP-7 on September 24, 2025

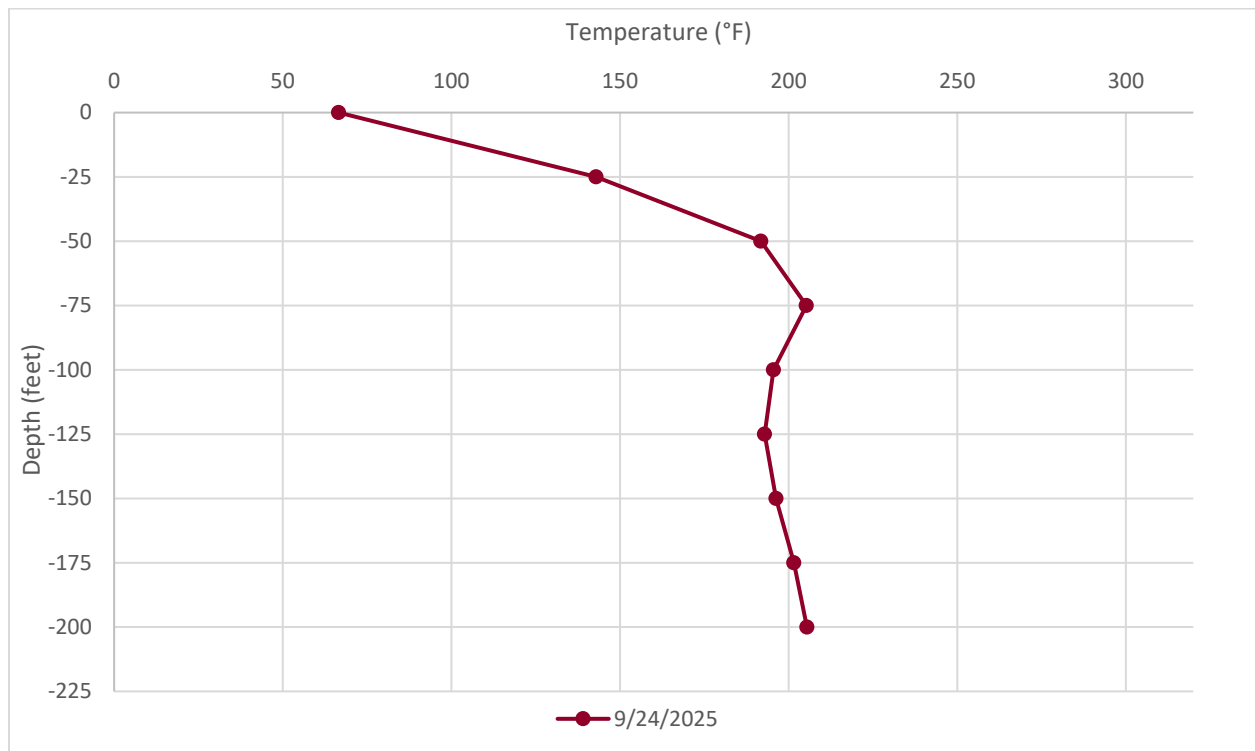


Figure B - 17 Average Temperatures Recorded by TP-8 on September 3, 2025

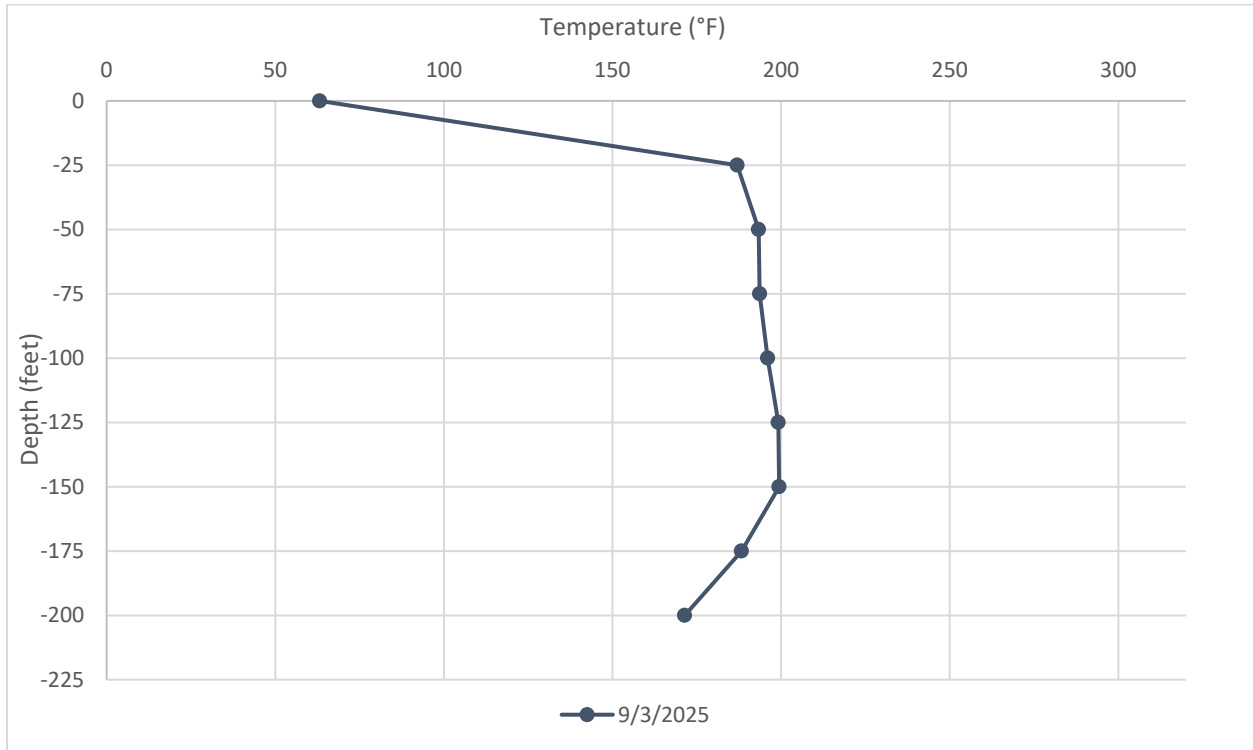


Figure B - 18 Average Temperatures Recorded by TP-8 on September 10, 2025

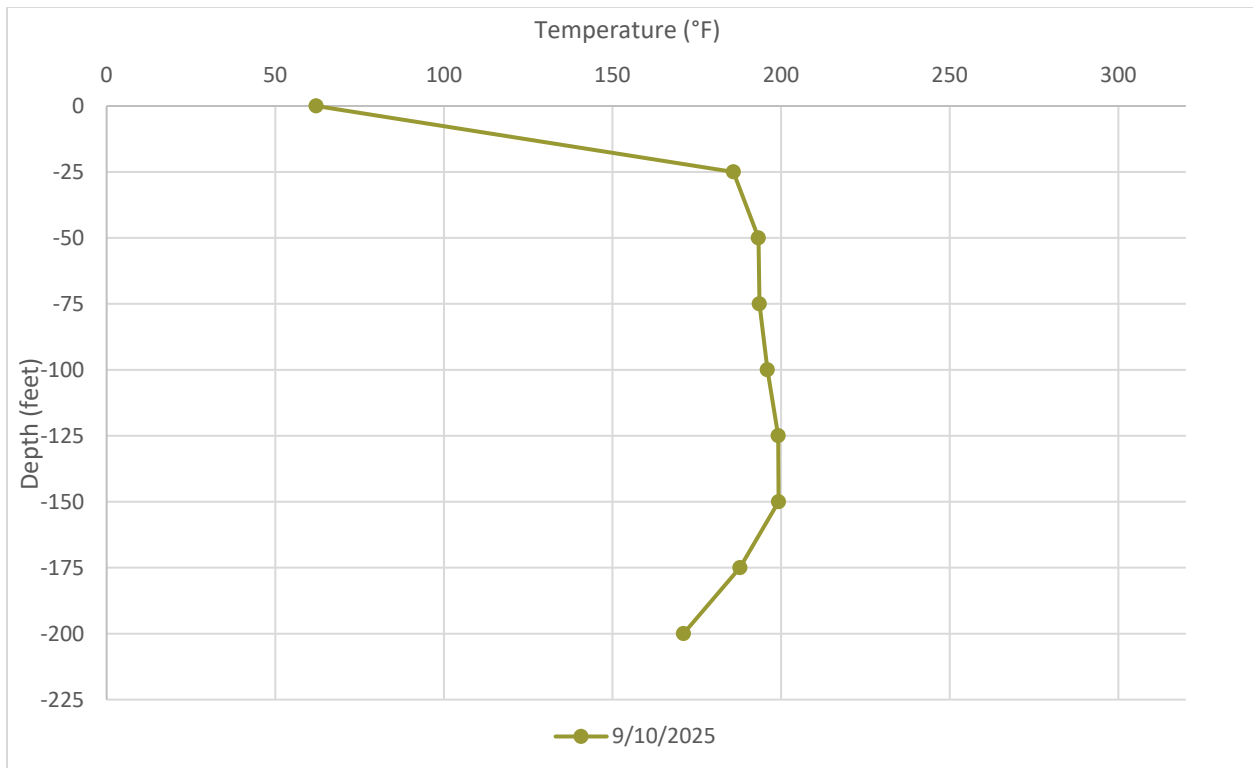


Figure B - 19 Average Temperatures Recorded by TP-8 on September 17, 2025

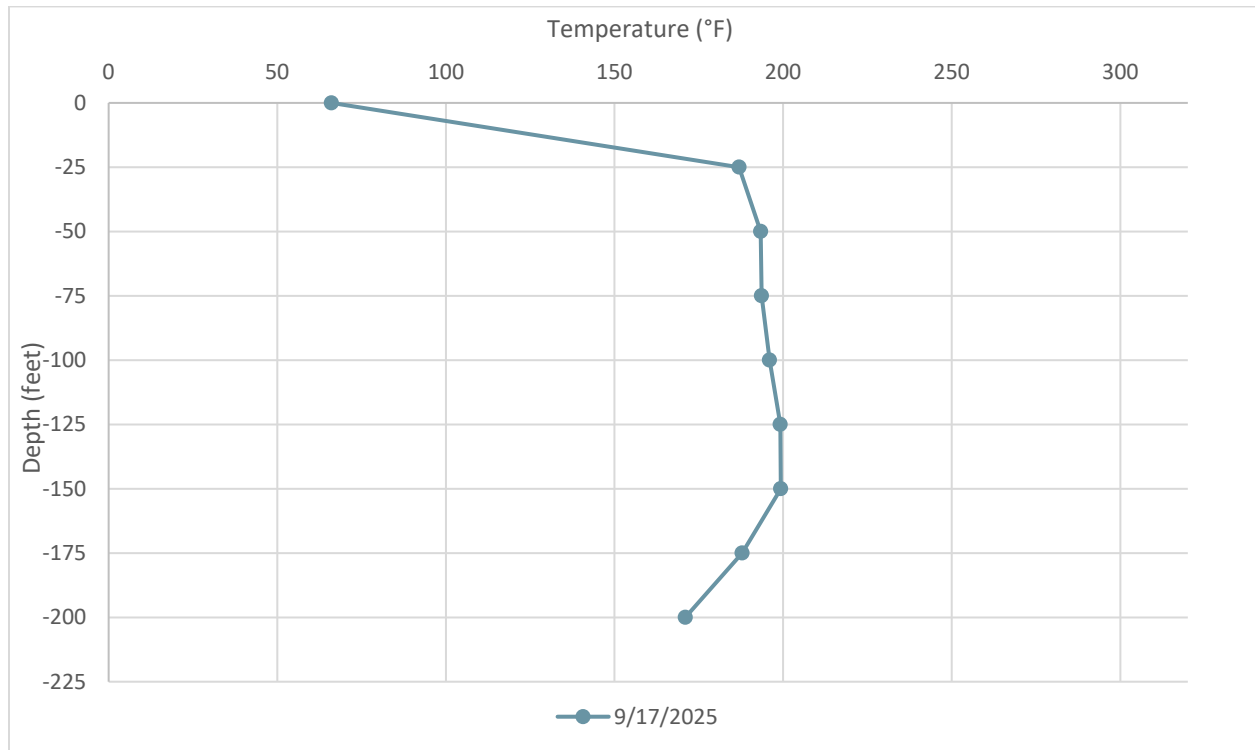


Figure B - 20 Average Temperatures Recorded by TP-8 on September 24, 2025

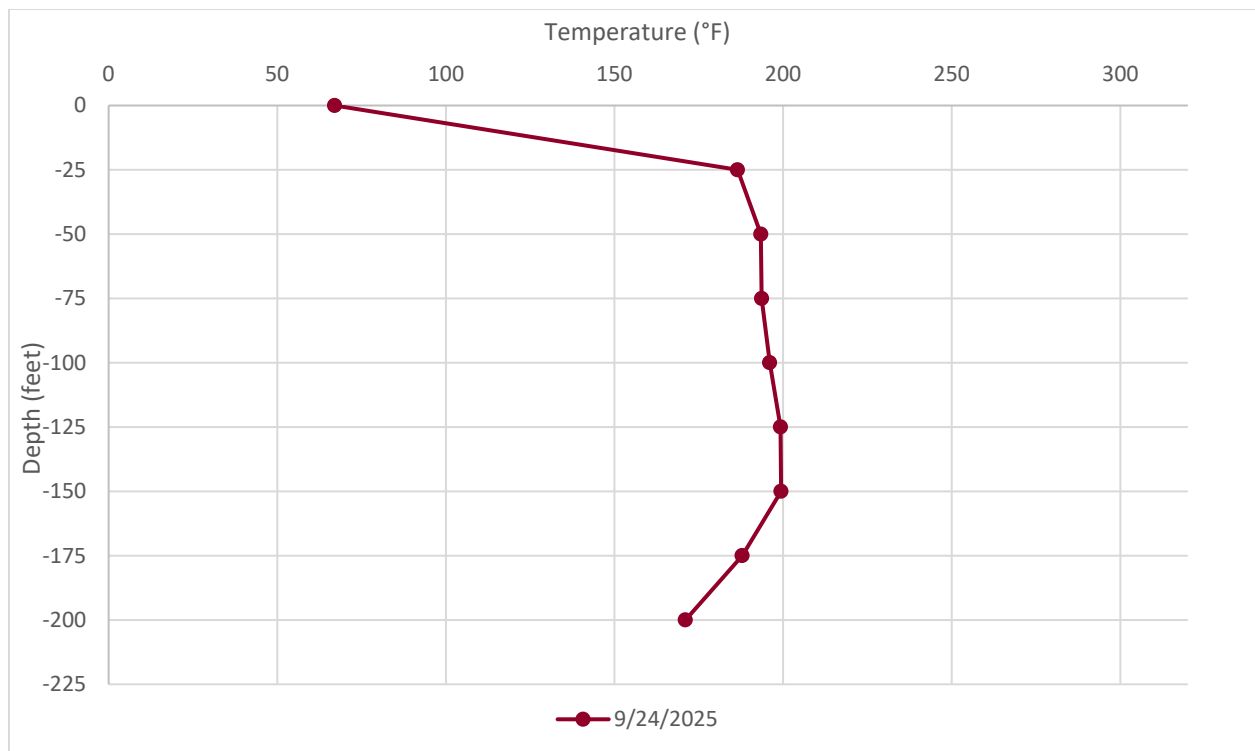


Figure B - 21 Average Temperatures Recorded by TP-9 on September 3, 2025

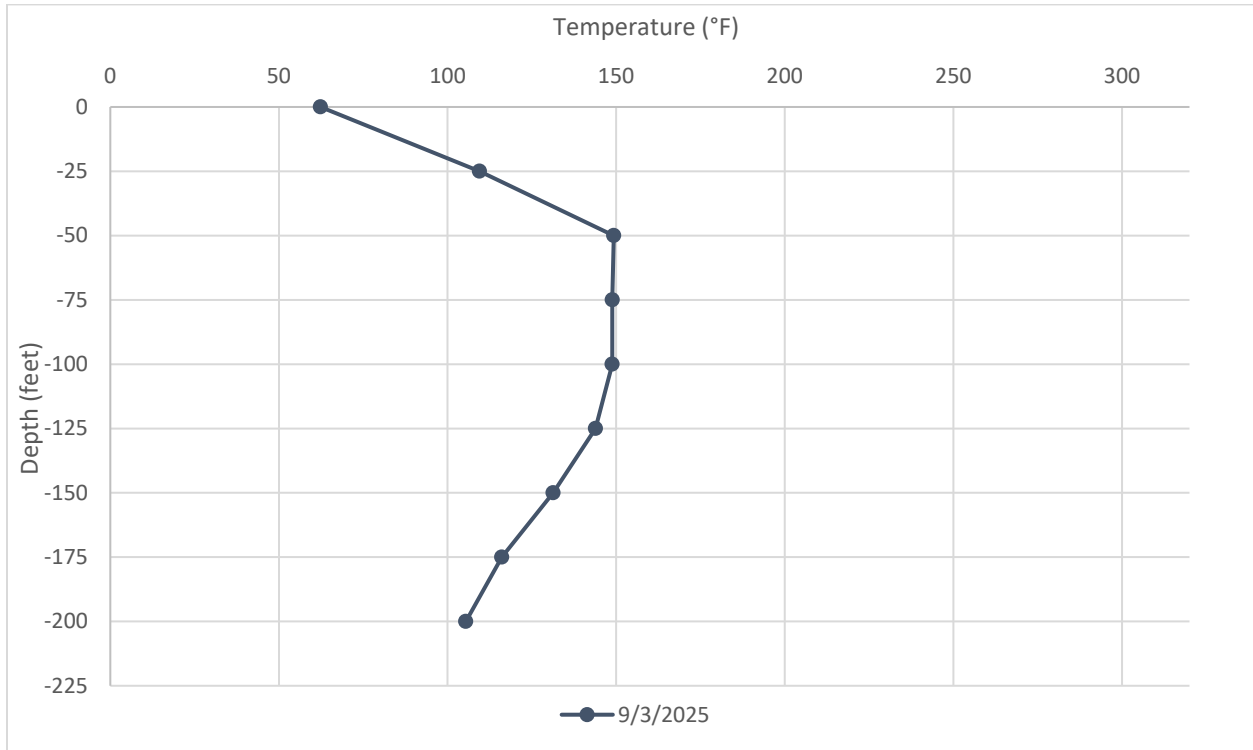


Figure B - 22 Average Temperatures Recorded by TP-9 on September 10, 2025

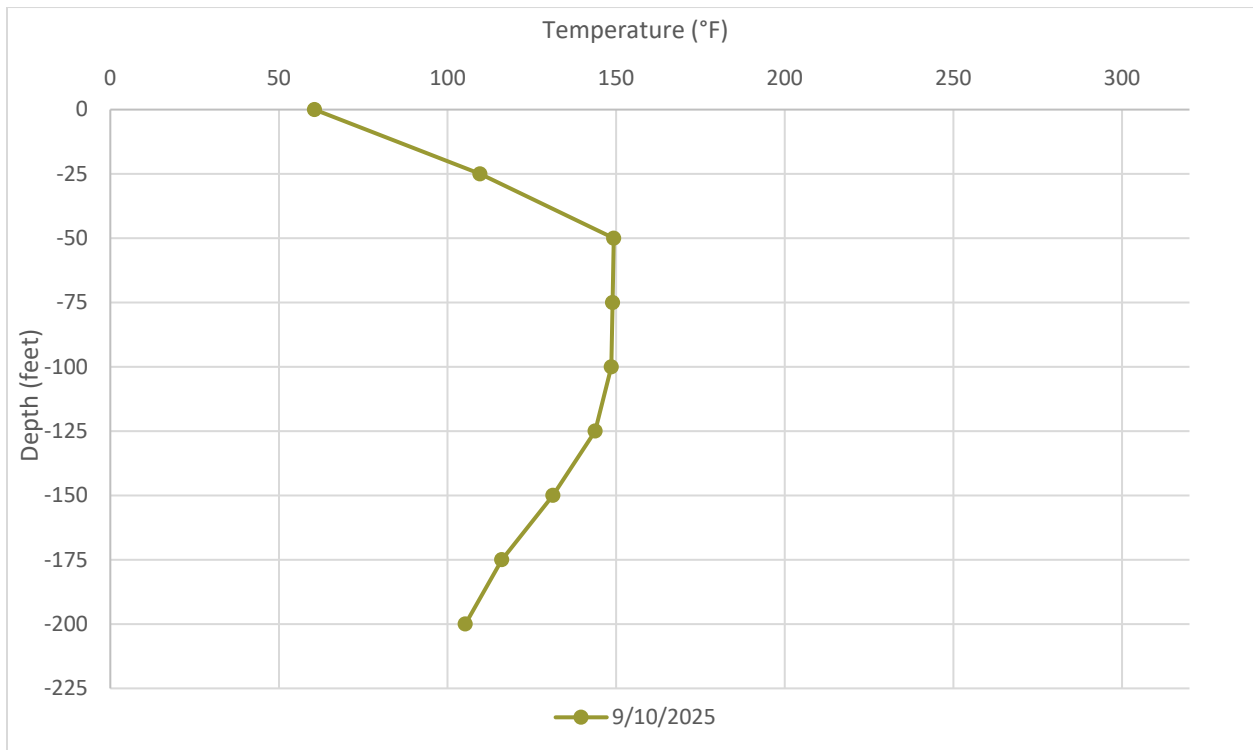


Figure B - 23 Average Temperatures Recorded by TP-9 on September 17, 2025

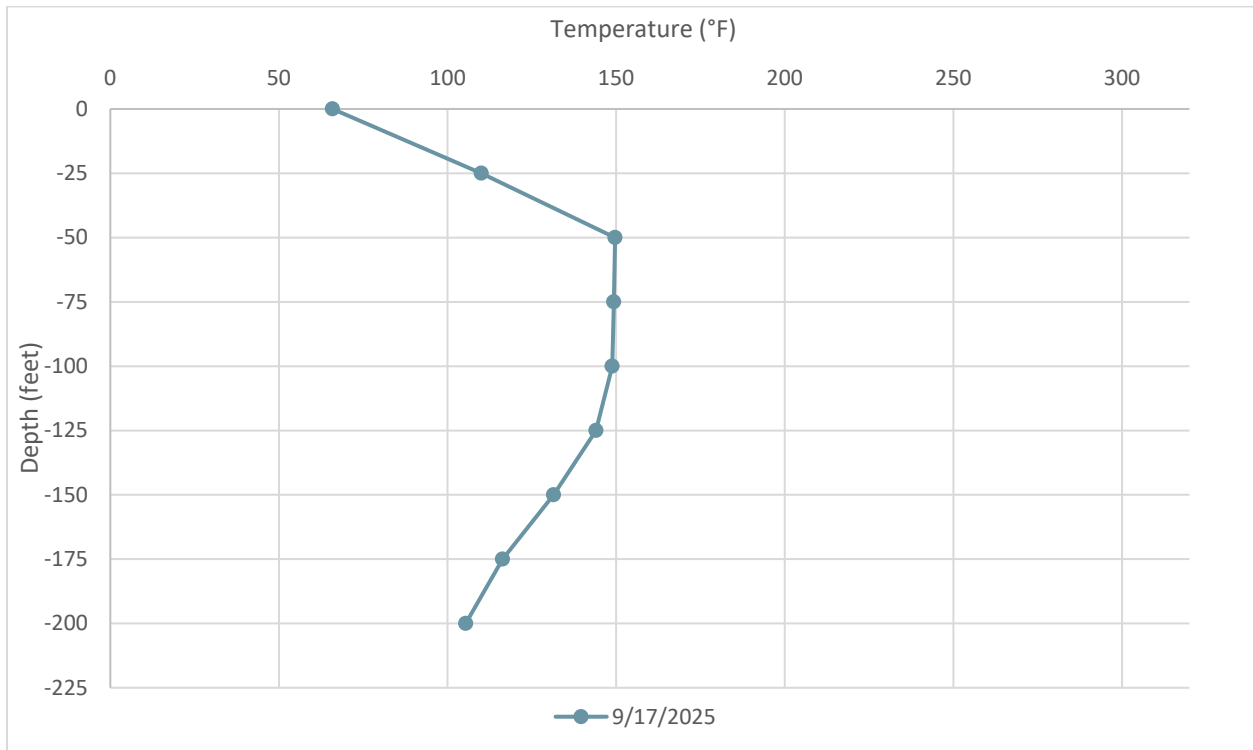
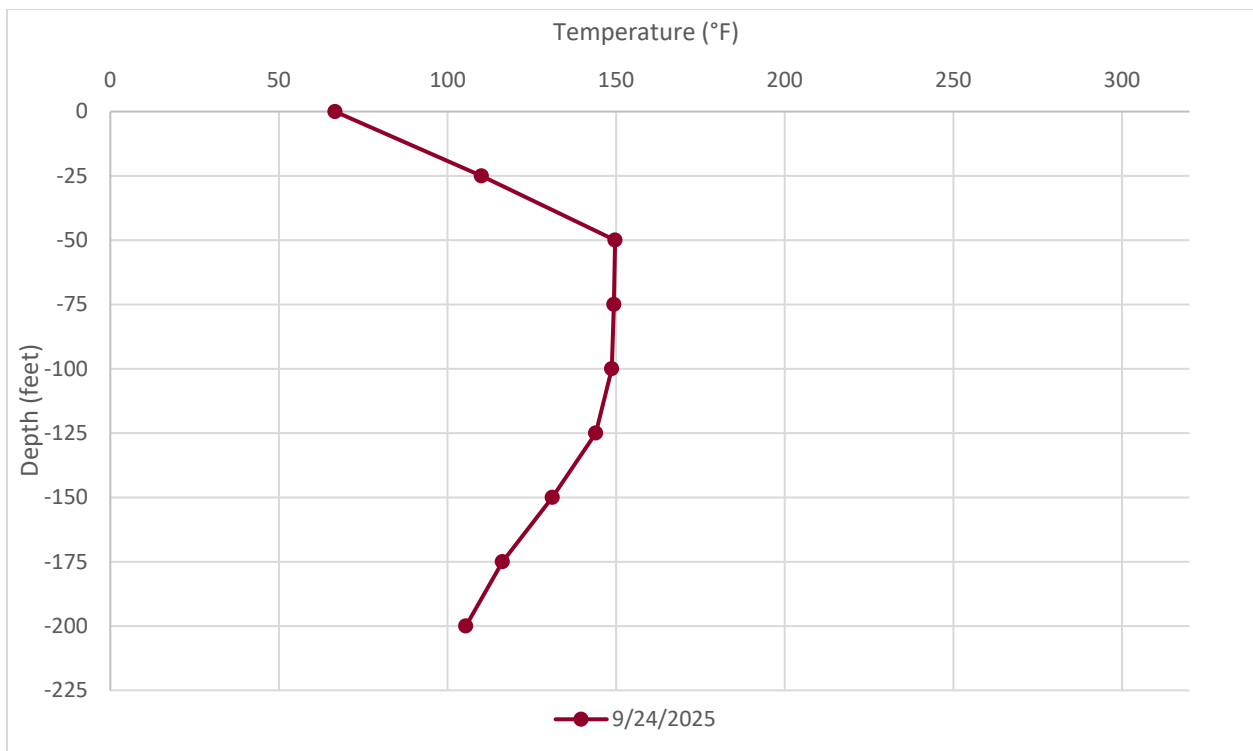


Figure B - 24 Average Temperatures Recorded by TP-9 on September 24, 2025





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 | October 3, 2025

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)
Sep 1	80.6	69.5	93.8
Sep 2	80.6	68.7	94.1
Sep 3	77.4	71.1	88.0
Sep 4	76.2	72.7	89.8
Sep 5	80.9	71.6	93.0
Sep 6	80.0	73.8	91.0
Sep 7	75.8	67.4	88.3
Sep 8	74.8	61.6	90.2
Sep 9	73.7	63.7	89.1
Sep 10	73.0	59.6	89.2
Sep 11	74.5	60.4	90.8
Sep 12	76.0	61.4	93.2
Sep 13	77.4	64.5	93.8
Sep 14	78.1	65.4	93.9
Sep 15	76.8	66.0	93.7
Sep 16	75.4	68.0	90.0
Sep 17	75.6	62.6	90.3
Sep 18	78.6	64.0	95.1
Sep 19	78.7	64.6	95.5
Sep 20	78.5	66.5	97.8
Sep 21	78.6	67.2	95.0
Sep 22	80.8	67.5	98.1
Sep 23	85.1	77.1	94.4
Sep 24	83.0	78.7	87.5
Sep 25	84.7	80.8	93.9
Sep 26	85.7	80.2	97.0
Sep 27	83.1	78.0	95.1
Sep 28	83.4	76.2	93.8
Sep 29	82.6	74.9	93.5
Summary	79.0	73.0	85.7

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 33B

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	74.8	57.9	100.4
Sep 2	73.2	55.5	95.6
Sep 3	68.6	60.4	85.8
Sep 4	65.1	59.7	83.0
Sep 5	72.8	59.0	92.2
Sep 6	71.1	64.7	86.0
Sep 7	67.6	56.0	84.3
Sep 8	67.2	49.7	91.8
Sep 9	68.0	50.3	90.8
Sep 10	69.5	51.8	91.5
Sep 11	71.3	52.6	93.4
Sep 12	73.5	53.6	100.1
Sep 13	75.5	57.8	100.0
Sep 14	75.4	58.4	97.9
Sep 15	73.9	59.3	101.1
Sep 16	71.6	62.8	87.3
Sep 17	71.8	55.5	90.8
Sep 18	76.8	57.9	103.0
Sep 19	77.5	58.2	106.3
Sep 20	76.6	60.6	104.7
Sep 21	76.0	62.4	99.4
Sep 22	75.9	62.3	99.2
Sep 23	75.4	64.6	94.3
Sep 24	70.6	66.1	77.8
Sep 25	73.2	67.0	86.9
Sep 26	75.3	65.4	98.3
Sep 27	72.3	64.5	93.9
Sep 28	73.3	60.9	95.8
Sep 29	72.9	61.2	91.1
Summary	72.6	65.1	77.5

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 36A

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	76.4	63.6	96.1
Sep 2	75.6	62.0	94.9
Sep 3	70.7	64.7	83.2
Sep 4	68.6	65.0	81.4
Sep 5	74.8	64.9	90.1
Sep 6	73.3	68.2	85.5
Sep 7	70.3	61.4	85.7
Sep 8	70.5	56.5	91.4
Sep 9	70.9	57.1	91.3
Sep 10	71.6	57.4	91.2
Sep 11	73.2	57.7	93.4
Sep 12	75.0	58.9	98.6
Sep 13	76.8	62.1	99.0
Sep 14	76.6	62.4	97.8
Sep 15	75.0	63.4	95.4
Sep 16	73.7	66.2	88.8
Sep 17	73.6	60.9	89.5
Sep 18	78.0	62.6	103.3
Sep 19	78.4	62.7	103.7
Sep 20	78.1	64.9	105.2
Sep 21	78.0	66.0	99.9
Sep 22	77.2	66.2	96.3
Sep 23	75.9	68.1	89.2
Sep 24	72.9	69.4	78.4
Sep 25	75.2	70.7	87.5
Sep 26	77.3	69.9	92.7
Sep 27	74.2	68.0	85.7
Sep 28	75.9	65.8	96.3
Sep 29	74.9	65.7	88.8
Summary	74.6	68.6	78.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 38

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	111.2	109.1	114.6
Sep 2	111.2	108.4	115.1
Sep 3	109.8	106.6	113.2
Sep 4	109.5	107.1	112.7
Sep 5	110.6	108.1	113.6
Sep 6	110.2	106.3	112.6
Sep 7	109.5	105.7	113.2
Sep 8	109.6	106.4	113.0
Sep 9	110.0	107.0	114.2
Sep 10	109.1	99.7	113.8
Sep 11	108.9	105.5	113.8
Sep 12	107.8	102.8	114.3
Sep 13	108.8	104.1	114.6
Sep 14	109.2	105.5	114.1
Sep 15	107.6	104.8	112.9
Sep 16	107.2	104.2	111.6
Sep 17	107.2	103.4	112.4
Sep 18	108.5	104.3	115.2
Sep 19	108.5	104.0	115.4
Sep 20	108.1	104.2	115.1
Sep 21	108.3	104.5	114.4
Sep 22	108.7	104.3	114.1
Sep 23	106.5	102.8	109.1
Sep 24	106.9	103.8	109.2
Sep 25	107.8	106.5	110.9
Sep 26	108.6	106.8	112.9
Sep 27	107.7	106.0	111.2
Sep 28	107.9	105.1	112.9
Sep 29	107.5	105.6	111.0
Summary	108.7	106.5	111.2

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 42

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	119.5	118.2	121.2
Sep 2	119.4	118.4	121.2
Sep 3	118.9	117.6	120.1
Sep 4	118.8	117.9	120.2
Sep 5	119.2	118.1	120.2
Sep 6	118.9	117.4	120.1
Sep 7	118.2	116.8	119.6
Sep 8	118.2	117.0	120.0
Sep 9	118.3	116.6	120.0
Sep 10	118.4	117.5	120.0
Sep 11	118.5	117.1	120.2
Sep 12	118.6	117.4	120.4
Sep 13	118.9	117.6	120.5
Sep 14	118.9	117.8	120.4
Sep 15	118.7	117.6	120.4
Sep 16	118.6	117.9	120.1
Sep 17	118.6	117.7	119.9
Sep 18	118.8	117.6	120.6
Sep 19	119.0	117.9	120.5
Sep 20	118.9	117.6	120.8
Sep 21	118.9	117.9	120.9
Sep 22	119.0	117.2	120.5
Sep 23	118.9	117.7	120.0
Sep 24	118.8	117.6	119.2
Sep 25	118.8	118.3	119.6
Sep 26	119.0	118.1	120.5
Sep 27	118.7	118.1	120.4
Sep 28	118.8	117.8	120.2
Sep 29	118.9	117.8	120.5
Summary	118.8	118.2	119.5

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 47

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	76.1	65.0	92.8
Sep 2	76.7	62.7	96.0
Sep 3	71.4	65.1	84.5
Sep 4	69.7	65.6	85.4
Sep 5	75.7	65.7	90.5
Sep 6	76.0	69.9	87.5
Sep 7	73.0	64.0	86.4
Sep 8	71.4	59.2	88.3
Sep 9	71.1	59.3	87.9
Sep 10	72.3	59.3	88.8
Sep 11	72.9	58.7	89.8
Sep 12	72.9	57.0	94.9
Sep 13	74.8	60.8	95.3
Sep 14	75.7	62.2	93.7
Sep 15	74.7	62.5	94.3
Sep 16	73.3	65.7	91.0
Sep 17	72.5	59.3	89.0
Sep 18	75.8	61.1	96.6
Sep 19	76.4	61.1	98.4
Sep 20	76.6	63.2	98.1
Sep 21	77.6	65.8	98.0
Sep 22	76.6	65.8	93.5
Sep 23	74.1	66.7	86.0
Sep 24	72.4	67.9	79.0
Sep 25	74.4	69.3	86.0
Sep 26	75.7	68.1	92.0
Sep 27	72.6	65.9	89.8
Sep 28	73.6	63.8	90.5
Sep 29	72.5	63.3	86.6
Summary	74.1	69.7	77.6

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 48

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	69.5	54.7	88.5
Sep 2	70.0	52.5	90.7
Sep 3	65.5	59.5	77.8
Sep 4	63.1	57.5	79.7
Sep 5	69.4	57.2	87.2
Sep 6	69.7	64.3	82.2
Sep 7	64.9	52.5	80.2
Sep 8	64.0	47.1	84.8
Sep 9	63.2	47.0	86.1
Sep 10	65.5	49.2	87.6
Sep 11	67.0	49.7	87.6
Sep 12	68.4	50.7	92.5
Sep 13	70.2	54.9	91.9
Sep 14	71.5	55.9	92.4
Sep 15	71.2	56.4	93.5
Sep 16	68.7	60.0	87.0
Sep 17	68.4	53.0	86.7
Sep 18	72.1	55.5	95.8
Sep 19	72.7	55.8	97.8
Sep 20	72.5	58.3	97.2
Sep 21	74.0	60.3	93.9
Sep 22	73.3	60.3	92.4
Sep 23	72.0	63.6	86.9
Sep 24	68.9	64.3	75.8
Sep 25	71.3	65.7	83.1
Sep 26	72.8	64.0	92.3
Sep 27	69.8	61.0	89.5
Sep 28	70.7	59.3	90.1
Sep 29	69.4	58.5	87.4
Summary	69.3	63.1	74.0

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 49

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	69.4	55.2	88.8
Sep 2	99.6	53.3	163.5
Sep 3	105.5	61.9	162.0
Sep 4	111.6	62.8	175.8
Sep 5	123.3	90.3	176.2
Sep 6	73.1	65.3	89.5
Sep 7	63.5	53.0	78.7
Sep 8	80.1	47.5	174.3
Sep 9	83.0	46.8	174.6
Sep 10	124.9	49.7	175.5
Sep 11	169.4	167.1	171.6
Sep 12	167.0	165.9	167.8
Sep 13	165.7	164.8	166.4
Sep 14	164.6	163.9	165.2
Sep 15	163.6	163.0	164.4
Sep 16	163.0	162.6	163.5
Sep 17	162.4	162.0	163.0
Sep 18	162.1	161.4	163.0
Sep 19	161.7	161.0	162.9
Sep 20	161.4	160.7	162.5
Sep 21	161.1	160.2	162.1
Sep 22	160.8	159.3	161.8
Sep 23	160.2	159.3	160.8
Sep 24	160.1	159.3	160.4
Sep 25	160.0	159.6	160.5
Sep 26	160.0	159.5	160.7
Sep 27	159.6	158.9	160.1
Sep 28	159.1	158.5	159.8
Sep 29	158.9	158.1	159.3
Summary	138.4	63.5	169.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 50

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	75.0	63.7	89.3
Sep 2	82.8	61.5	113.3
Sep 3	81.3	67.9	110.3
Sep 4	75.3	66.3	114.5
Sep 5	84.6	61.2	120.2
Sep 6	84.6	78.1	93.9
Sep 7	79.9	71.4	91.9
Sep 8	88.2	69.6	134.7
Sep 9	88.9	65.3	135.2
Sep 10	106.5	69.3	135.5
Sep 11	121.8	118.4	125.3
Sep 12	118.6	116.8	121.1
Sep 13	117.7	116.1	120.5
Sep 14	116.9	115.1	119.5
Sep 15	116.4	114.8	119.4
Sep 16	116.0	115.1	118.1
Sep 17	115.5	113.6	117.6
Sep 18	115.9	113.4	119.3
Sep 19	115.7	113.3	119.0
Sep 20	115.6	113.4	118.6
Sep 21	115.4	113.4	118.6
Sep 22	115.0	112.2	117.9
Sep 23	114.6	113.1	116.5
Sep 24	113.6	112.4	114.4
Sep 25	112.9	112.0	114.6
Sep 26	112.7	111.5	115.6
Sep 27	112.1	110.6	114.7
Sep 28	111.6	110.1	114.2
Sep 29	111.7	110.5	113.7
Summary	104.7	75.0	121.8

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 51

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	68.7	54.9	88.9
Sep 2	69.1	53.3	93.2
Sep 3	64.6	59.0	78.2
Sep 4	62.4	56.9	79.8
Sep 5	69.3	57.1	87.8
Sep 6	69.2	64.0	83.3
Sep 7	64.1	51.6	83.0
Sep 8	62.6	47.5	85.9
Sep 9	62.6	47.0	85.9
Sep 10	64.8	49.8	87.5
Sep 11	66.4	49.2	89.9
Sep 12	68.0	50.4	92.7
Sep 13	70.0	54.6	94.9
Sep 14	71.0	55.4	95.3
Sep 15	70.0	56.2	93.6
Sep 16	68.7	59.4	85.8
Sep 17	68.0	52.6	88.2
Sep 18	71.5	55.0	96.5
Sep 19	72.2	55.3	97.2
Sep 20	73.1	58.1	100.3
Sep 21	73.9	60.8	95.9
Sep 22	73.3	60.3	93.6
Sep 23	71.3	62.9	85.8
Sep 24	68.6	63.5	75.5
Sep 25	71.0	65.5	84.1
Sep 26	72.6	63.7	90.2
Sep 27	69.0	61.8	85.2
Sep 28	70.3	59.0	88.6
Sep 29	69.2	58.8	86.1
Summary	68.8	62.4	73.9

Solid Waste Permit 588 Daily Wellhead Temperature
Averages for Well 52
 Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	157.1	156.0	158.4
Sep 2	157.5	150.8	160.1
Sep 3	157.2	152.4	158.4
Sep 4	157.1	155.1	158.9
Sep 5	158.4	156.4	161.0
Sep 6	156.8	155.2	159.5
Sep 7	154.7	152.5	156.2
Sep 8	155.1	153.3	156.9
Sep 9	154.9	153.8	156.8
Sep 10	154.8	152.5	156.8
Sep 11	155.7	153.4	158.0
Sep 12	158.4	156.0	160.7
Sep 13	158.1	155.8	159.7
Sep 14	157.9	156.1	160.0
Sep 15	158.0	156.0	160.4
Sep 16	158.2	157.0	159.2
Sep 17	157.9	155.9	159.4
Sep 18	158.5	156.3	160.8
Sep 19	159.0	156.3	162.1
Sep 20	159.6	157.1	162.4
Sep 21	159.3	157.4	161.4
Sep 22	158.8	156.9	161.1
Sep 23	159.0	157.0	160.3
Sep 24	158.1	156.4	159.5
Sep 25	158.2	156.9	159.2
Sep 26	158.7	156.9	160.3
Sep 27	158.5	157.0	159.8
Sep 28	158.2	156.2	159.9
Sep 29	158.0	153.5	159.3
Summary	157.6	154.7	159.6

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 53

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	133.2	126.1	144.9
Sep 2	134.9	124.6	154.8
Sep 3	128.8	115.5	141.1
Sep 4	127.3	120.3	138.7
Sep 5	130.3	116.2	143.1
Sep 6	127.0	111.5	134.7
Sep 7	121.8	106.6	135.6
Sep 8	123.6	109.8	138.2
Sep 9	125.1	114.2	138.0
Sep 10	122.9	111.9	135.3
Sep 11	124.1	114.4	139.7
Sep 12	128.4	112.9	145.7
Sep 13	129.6	115.5	144.8
Sep 14	129.4	117.4	143.1
Sep 15	128.3	116.7	141.1
Sep 16	127.3	120.3	137.0
Sep 17	127.1	116.4	139.2
Sep 18	130.2	118.5	145.9
Sep 19	130.7	117.0	145.5
Sep 20	130.1	119.1	144.6
Sep 21	130.2	117.8	143.6
Sep 22	131.3	117.5	144.0
Sep 23	129.2	117.3	137.0
Sep 24	127.6	117.6	132.2
Sep 25	130.2	122.9	138.3
Sep 26	132.9	124.8	143.3
Sep 27	130.5	121.9	140.8
Sep 28	129.9	120.1	140.2
Sep 29	128.4	122.9	137.9
Summary	128.6	121.8	134.9

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 54

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	71.9	58.5	91.0
Sep 2	71.2	56.1	95.2
Sep 3	67.5	61.6	80.4
Sep 4	65.2	60.6	79.8
Sep 5	71.4	60.3	87.7
Sep 6	71.1	65.6	83.1
Sep 7	66.2	54.9	83.0
Sep 8	64.8	48.9	84.9
Sep 9	65.4	50.1	86.9
Sep 10	67.3	51.5	88.5
Sep 11	68.8	51.6	90.8
Sep 12	69.9	52.1	93.6
Sep 13	72.3	56.6	95.0
Sep 14	73.1	57.8	95.2
Sep 15	71.8	58.6	94.4
Sep 16	70.3	61.8	88.5
Sep 17	69.7	55.2	88.1
Sep 18	73.6	57.2	96.4
Sep 19	74.1	57.5	99.0
Sep 20	74.6	59.9	99.5
Sep 21	75.5	62.5	99.0
Sep 22	74.5	61.9	93.7
Sep 23	72.9	64.3	86.5
Sep 24	70.8	66.0	77.4
Sep 25	72.8	67.4	87.4
Sep 26	74.5	66.4	90.4
Sep 27	71.1	64.1	86.0
Sep 28	72.1	61.2	90.3
Sep 29	71.2	61.1	85.6
Summary	70.9	64.8	75.5

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 55

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	147.0	144.4	151.6
Sep 2	147.3	143.8	155.5
Sep 3	146.1	136.4	149.4
Sep 4	145.6	136.3	148.1
Sep 5	147.2	144.5	151.3
Sep 6	145.2	133.9	148.0
Sep 7	141.4	128.3	147.2
Sep 8	144.1	139.8	151.0
Sep 9	144.6	138.7	152.4
Sep 10	145.4	139.4	152.7
Sep 11	145.7	140.3	153.2
Sep 12	144.5	135.9	155.9
Sep 13	149.3	141.3	159.6
Sep 14	150.1	142.8	159.9
Sep 15	148.2	141.2	156.8
Sep 16	147.5	144.2	151.6
Sep 17	146.5	141.6	151.7
Sep 18	149.8	140.2	160.2
Sep 19	150.0	142.0	160.7
Sep 20	150.0	144.8	157.9
Sep 21	150.1	142.4	158.7
Sep 22	148.8	129.6	157.7
Sep 23	147.4	143.1	152.2
Sep 24	148.1	140.7	151.7
Sep 25	149.9	146.2	154.6
Sep 26	151.4	147.4	158.3
Sep 27	149.6	140.5	153.8
Sep 28	147.6	143.7	155.7
Sep 29	147.1	139.2	151.9
Summary	147.4	141.4	151.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 56

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	175.7	175.1	176.7
Sep 2	176.0	174.6	177.5
Sep 3	176.1	175.0	177.0
Sep 4	176.0	175.1	177.0
Sep 5	176.2	175.3	177.2
Sep 6	176.0	175.4	177.0
Sep 7	175.0	174.3	175.9
Sep 8	175.2	174.1	176.7
Sep 9	175.8	174.9	177.1
Sep 10	175.9	175.0	177.0
Sep 11	176.3	175.2	177.4
Sep 12	177.3	176.1	178.7
Sep 13	177.9	177.1	178.9
Sep 14	178.1	177.3	178.8
Sep 15	178.2	177.4	178.9
Sep 16	178.6	177.7	179.4
Sep 17	179.1	178.4	180.0
Sep 18	179.4	178.6	180.3
Sep 19	179.7	178.8	180.7
Sep 20	180.1	179.4	181.1
Sep 21	180.1	179.2	181.1
Sep 22	180.2	179.0	181.3
Sep 23	180.3	179.4	181.0
Sep 24	180.5	180.0	181.1
Sep 25	180.7	180.3	181.2
Sep 26	181.0	180.3	181.8
Sep 27	181.1	180.6	181.7
Sep 28	181.0	180.3	181.8
Sep 29	181.2	180.5	181.9
Summary	178.2	175.0	181.2

Solid Waste Permit 588 Daily Wellhead Temperature
Averages for Well 57
 Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	86.1	74.9	103.7
Sep 2	86.6	72.2	109.9
Sep 3	81.4	74.0	95.8
Sep 4	78.1	74.6	93.5
Sep 5	85.0	74.2	102.4
Sep 6	84.2	76.6	96.4
Sep 7	79.4	65.6	99.1
Sep 8	79.1	63.8	102.3
Sep 9	79.6	64.8	102.4
Sep 10	81.5	66.5	102.9
Sep 11	82.2	66.2	103.8
Sep 12	83.3	63.8	110.4
Sep 13	85.2	70.2	109.4
Sep 14	85.8	70.8	106.0
Sep 15	84.4	70.2	107.2
Sep 16	83.5	74.9	97.3
Sep 17	82.5	67.7	102.6
Sep 18	86.7	70.1	111.0
Sep 19	87.3	69.2	114.9
Sep 20	87.4	72.3	113.3
Sep 21	88.1	75.2	110.5
Sep 22	87.3	75.0	106.7
Sep 23	85.4	74.3	100.3
Sep 24	82.8	76.4	88.8
Sep 25	85.8	80.1	97.2
Sep 26	87.7	79.4	107.1
Sep 27	83.4	75.3	103.6
Sep 28	84.3	73.3	103.1
Sep 29	82.5	74.1	98.3
Summary	84.0	78.1	88.1

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 58

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	106.4	105.3	108.2
Sep 2	106.2	104.9	108.2
Sep 3	105.5	104.4	106.8
Sep 4	105.3	104.4	106.8
Sep 5	106.2	105.1	107.7
Sep 6	106.3	105.0	107.3
Sep 7	106.0	104.8	107.8
Sep 8	105.9	104.6	107.8
Sep 9	105.7	104.6	107.8
Sep 10	105.8	104.5	107.6
Sep 11	105.7	104.1	107.9
Sep 12	105.5	103.4	108.3
Sep 13	105.8	104.2	108.5
Sep 14	105.9	104.2	108.2
Sep 15	105.7	104.2	108.4
Sep 16	105.6	104.6	107.6
Sep 17	105.5	103.8	107.7
Sep 18	102.6	26.9	108.8
Sep 19	106.1	104.0	109.3
Sep 20	106.0	104.3	109.0
Sep 21	106.2	104.7	108.9
Sep 22	106.2	104.4	108.5
Sep 23	106.1	104.7	107.9
Sep 24	105.9	104.8	106.8
Sep 25	106.1	105.5	107.3
Sep 26	106.3	105.1	108.6
Sep 27	105.8	104.7	108.2
Sep 28	106.0	104.6	108.3
Sep 29	105.8	104.8	108.0
Summary	105.8	102.6	106.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 59

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	116.2	115.3	117.8
Sep 2	116.3	114.9	118.6
Sep 3	115.5	114.6	116.6
Sep 4	115.4	114.9	116.5
Sep 5	116.2	115.3	117.3
Sep 6	116.2	115.4	117.0
Sep 7	115.8	114.8	116.9
Sep 8	115.5	114.5	116.9
Sep 9	111.3	26.1	116.5
Sep 10	115.1	114.0	117.0
Sep 11	115.1	113.7	117.0
Sep 12	115.3	113.4	117.7
Sep 13	115.8	114.4	118.1
Sep 14	115.8	114.3	118.0
Sep 15	115.7	114.1	117.9
Sep 16	115.7	114.9	117.7
Sep 17	115.6	114.3	117.5
Sep 18	116.2	114.6	118.6
Sep 19	116.3	114.6	118.8
Sep 20	116.4	114.7	119.1
Sep 21	116.5	115.2	118.8
Sep 22	116.6	115.0	118.9
Sep 23	116.5	115.6	117.9
Sep 24	116.6	115.7	117.3
Sep 25	116.9	116.3	117.8
Sep 26	117.2	116.4	119.0
Sep 27	116.9	115.8	118.8
Sep 28	117.0	116.0	118.7
Sep 29	116.7	115.7	118.6
Summary	115.9	111.3	117.2

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 60

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	126.0	122.6	130.9
Sep 2	111.5	94.5	125.2
Sep 3	94.5	87.4	101.6
Sep 4	91.3	86.1	98.1
Sep 5	92.8	86.6	100.5
Sep 6	92.5	86.1	98.0
Sep 7	89.7	83.7	96.9
Sep 8	89.8	82.5	99.4
Sep 9	89.9	84.0	100.4
Sep 10	89.9	83.1	98.7
Sep 11	88.7	81.4	99.2
Sep 12	86.3	75.5	99.6
Sep 13	87.4	78.4	99.9
Sep 14	87.2	78.4	99.5
Sep 15	85.7	78.8	99.0
Sep 16	84.4	79.0	95.2
Sep 17	109.4	75.3	161.6
Sep 18	162.6	160.1	165.4
Sep 19	164.4	161.7	168.0
Sep 20	165.7	163.5	168.3
Sep 21	157.7	135.0	167.8
Sep 22	151.3	128.6	166.1
Sep 23	165.0	162.7	166.6
Sep 24	165.5	163.7	166.3
Sep 25	166.8	165.7	167.9
Sep 26	168.1	166.8	169.9
Sep 27	168.2	166.8	169.3
Sep 28	167.6	165.8	169.1
Sep 29	167.5	166.9	168.6
Summary	123.0	84.4	168.2

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 61

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	155.5	154.5	156.9
Sep 2	156.9	153.7	162.2
Sep 3	155.3	153.9	156.3
Sep 4	155.9	153.1	162.3
Sep 5	155.3	153.4	161.0
Sep 6	151.8	149.7	154.2
Sep 7	146.7	144.2	149.4
Sep 8	146.1	142.1	155.1
Sep 9	152.3	143.3	160.4
Sep 10	147.3	144.6	156.5
Sep 11	144.7	143.0	146.4
Sep 12	147.6	142.5	159.2
Sep 13	145.4	144.1	147.0
Sep 14	144.6	143.3	146.3
Sep 15	150.4	143.1	161.9
Sep 16	147.9	147.1	149.1
Sep 17	156.3	146.4	163.8
Sep 18	149.9	147.6	152.4
Sep 19	153.6	146.1	163.1
Sep 20	149.7	147.9	151.6
Sep 21	149.4	146.3	158.7
Sep 22	149.7	145.9	161.0
Sep 23	148.8	146.3	156.9
Sep 24	150.9	144.7	161.6
Sep 25	151.3	147.2	162.3
Sep 26	156.5	147.2	163.4
Sep 27	151.1	148.7	155.7
Sep 28	148.4	147.4	150.0
Sep 29	154.1	146.7	162.2
Summary	150.8	144.6	156.9

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 62

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	112.2	110.9	114.6
Sep 2	112.2	110.9	114.1
Sep 3	111.7	109.9	113.3
Sep 4	111.3	110.2	112.8
Sep 5	111.8	110.7	113.4
Sep 6	111.4	109.5	112.5
Sep 7	110.7	108.8	112.6
Sep 8	110.9	109.1	113.6
Sep 9	110.8	109.5	113.5
Sep 10	110.7	108.7	113.2
Sep 11	111.0	109.2	113.6
Sep 12	111.3	109.2	114.0
Sep 13	111.6	110.0	114.0
Sep 14	111.7	110.0	113.9
Sep 15	111.3	110.0	113.8
Sep 16	111.3	110.3	112.8
Sep 17	111.4	109.8	113.3
Sep 18	111.9	109.8	114.6
Sep 19	112.0	109.9	115.3
Sep 20	111.8	110.1	115.1
Sep 21	111.8	110.2	114.5
Sep 22	111.7	108.8	114.2
Sep 23	111.5	109.0	113.8
Sep 24	111.3	109.8	112.3
Sep 25	112.2	111.1	114.5
Sep 26	112.4	110.9	115.3
Sep 27	111.8	110.8	114.0
Sep 28	111.7	109.8	114.8
Sep 29	111.8	109.8	114.5
Summary	111.6	110.7	112.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 63

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	68.7	54.3	87.1
Sep 2	67.7	51.5	89.8
Sep 3	64.4	59.4	77.7
Sep 4	62.3	57.4	79.9
Sep 5	68.9	57.0	85.4
Sep 6	68.7	63.6	83.3
Sep 7	63.5	52.0	79.9
Sep 8	62.5	46.2	84.1
Sep 9	62.1	46.1	82.0
Sep 10	64.1	48.1	86.0
Sep 11	66.3	49.2	89.4
Sep 12	68.2	50.7	91.9
Sep 13	69.6	54.3	91.9
Sep 14	70.3	55.3	92.9
Sep 15	69.9	56.2	92.5
Sep 16	68.1	59.3	85.3
Sep 17	68.1	52.5	88.9
Sep 18	71.3	54.9	96.8
Sep 19	72.1	55.2	95.1
Sep 20	72.4	58.1	96.3
Sep 21	73.9	59.6	93.1
Sep 22	72.4	60.0	91.4
Sep 23	71.4	63.1	85.2
Sep 24	68.2	63.8	74.2
Sep 25	70.7	65.5	84.9
Sep 26	72.7	64.0	89.9
Sep 27	68.9	62.1	86.0
Sep 28	70.5	59.0	87.5
Sep 29	69.9	58.4	86.7
Summary	68.5	62.1	73.9

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 64

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	70.0	53.9	91.9
Sep 2	68.8	51.3	95.9
Sep 3	65.1	59.4	79.2
Sep 4	62.7	57.0	80.5
Sep 5	69.5	56.9	88.2
Sep 6	68.8	63.8	82.0
Sep 7	64.0	52.7	82.5
Sep 8	62.7	45.9	86.3
Sep 9	63.6	46.7	90.0
Sep 10	65.0	48.3	88.3
Sep 11	66.4	49.2	90.4
Sep 12	68.8	50.3	96.3
Sep 13	70.7	54.4	98.7
Sep 14	71.0	55.3	94.6
Sep 15	70.5	55.9	98.0
Sep 16	68.6	59.4	88.2
Sep 17	68.1	52.5	89.4
Sep 18	72.2	54.8	98.4
Sep 19	72.7	55.4	97.8
Sep 20	72.8	57.6	100.4
Sep 21	73.3	59.7	98.0
Sep 22	73.3	59.9	95.0
Sep 23	72.0	63.1	88.3
Sep 24	68.6	64.0	76.4
Sep 25	70.9	65.2	87.0
Sep 26	73.3	64.1	92.7
Sep 27	69.4	61.3	89.9
Sep 28	71.2	59.2	90.8
Sep 29	69.9	58.4	88.3
Summary	69.1	62.7	73.3

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 65

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	141.6	140.3	143.4
Sep 2	141.6	139.8	144.2
Sep 3	141.0	138.9	142.6
Sep 4	141.1	139.3	142.2
Sep 5	141.5	140.1	142.8
Sep 6	141.0	138.7	141.9
Sep 7	140.3	137.8	141.7
Sep 8	140.8	139.4	143.0
Sep 9	140.8	139.5	142.5
Sep 10	140.7	139.1	143.1
Sep 11	140.7	136.6	143.5
Sep 12	141.7	139.6	144.3
Sep 13	142.3	140.5	144.7
Sep 14	142.5	140.5	145.0
Sep 15	142.3	141.0	144.5
Sep 16	142.3	141.3	144.3
Sep 17	142.4	140.8	144.1
Sep 18	143.2	141.4	146.0
Sep 19	142.5	138.5	146.1
Sep 20	138.6	136.6	141.6
Sep 21	138.0	133.8	140.4
Sep 22	140.0	135.5	144.6
Sep 23	140.3	136.9	142.1
Sep 24	138.2	135.6	140.0
Sep 25	139.3	136.5	142.3
Sep 26	141.2	139.5	143.5
Sep 27	138.0	133.3	141.1
Sep 28	133.3	131.3	137.5
Sep 29	131.5	128.0	137.1
Summary	140.3	131.5	143.2

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 66

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	173.2	172.5	174.2
Sep 2	173.4	171.9	175.7
Sep 3	0.0	173.6	173.6
Sep 4	0.0	173.5	173.5
Sep 5	0.0	173.3	173.3
Sep 6	0.0	173.2	173.2
Sep 7	0.0	173.1	173.1
Sep 8	0.0	172.9	172.9
Sep 9	0.0	172.8	172.8
Sep 10	0.0	172.7	172.7
Sep 11	172.5	170.5	174.0
Sep 12	172.6	169.9	175.6
Sep 13	173.6	171.6	176.1
Sep 14	173.8	172.0	176.3
Sep 15	173.3	171.5	176.1
Sep 16	173.8	172.6	175.3
Sep 17	173.7	171.5	175.8
Sep 18	174.5	170.9	177.4
Sep 19	174.4	171.8	177.7
Sep 20	174.6	172.7	177.3
Sep 21	174.9	172.0	177.6
Sep 22	174.5	168.3	177.0
Sep 23	174.3	172.6	175.4
Sep 24	174.2	170.4	175.5
Sep 25	174.9	173.6	176.1
Sep 26	175.3	173.9	176.8
Sep 27	174.8	172.0	176.1
Sep 28	174.0	172.4	175.5
Sep 29	174.0	170.6	175.7
Summary	126.0	0.0	175.3

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 67

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	163.5	161.4	166.2
Sep 2	165.2	161.9	169.1
Sep 3	164.7	157.8	168.4
Sep 4	165.2	157.7	168.2
Sep 5	167.0	164.4	169.9
Sep 6	165.7	158.3	168.0
Sep 7	162.3	152.0	167.1
Sep 8	162.8	158.4	168.4
Sep 9	164.6	161.9	169.2
Sep 10	165.2	161.1	168.4
Sep 11	165.3	162.6	169.2
Sep 12	166.0	162.4	170.5
Sep 13	167.0	163.6	170.5
Sep 14	167.8	164.2	171.5
Sep 15	166.5	163.3	171.0
Sep 16	166.4	164.5	168.6
Sep 17	166.4	164.0	168.7
Sep 18	168.1	164.7	172.3
Sep 19	168.3	165.0	173.4
Sep 20	168.2	164.4	173.0
Sep 21	167.7	163.4	172.1
Sep 22	168.2	159.5	173.5
Sep 23	168.4	163.0	171.0
Sep 24	168.8	161.4	171.6
Sep 25	170.5	168.9	171.9
Sep 26	170.7	168.2	174.3
Sep 27	169.7	165.3	171.9
Sep 28	167.6	163.7	170.6
Sep 29	166.4	159.7	170.4
Summary	166.7	162.3	170.7

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 68

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	138.6	137.4	140.0
Sep 2	139.0	135.7	140.8
Sep 3	138.8	135.5	139.8
Sep 4	138.7	136.1	140.0
Sep 5	138.7	136.8	139.9
Sep 6	139.0	137.9	140.0
Sep 7	137.5	135.8	139.2
Sep 8	137.3	135.3	139.5
Sep 9	137.6	135.9	139.5
Sep 10	137.7	136.2	139.4
Sep 11	137.9	136.5	139.5
Sep 12	138.0	135.7	140.3
Sep 13	139.0	137.7	140.7
Sep 14	139.5	137.5	141.6
Sep 15	139.0	137.9	140.8
Sep 16	139.2	138.2	140.9
Sep 17	139.3	137.7	141.4
Sep 18	139.5	138.1	141.7
Sep 19	139.3	137.0	141.6
Sep 20	139.3	137.0	141.8
Sep 21	139.1	136.8	141.5
Sep 22	138.7	120.0	142.3
Sep 23	139.1	137.8	140.2
Sep 24	139.4	138.2	140.4
Sep 25	139.5	138.4	140.5
Sep 26	139.5	138.7	141.0
Sep 27	139.0	137.1	140.6
Sep 28	138.4	136.8	139.9
Sep 29	138.4	134.9	140.6
Summary	138.8	137.3	139.5

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 69

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	81.0	69.6	95.9
Sep 2	81.3	68.5	99.6
Sep 3	78.5	72.0	94.3
Sep 4	76.3	71.7	91.2
Sep 5	81.0	71.6	95.8
Sep 6	81.2	74.4	93.8
Sep 7	76.5	66.9	93.2
Sep 8	74.5	60.7	94.4
Sep 9	76.2	62.6	99.5
Sep 10	78.4	64.8	97.9
Sep 11	79.2	66.0	98.4
Sep 12	81.3	66.8	102.4
Sep 13	82.7	69.4	102.9
Sep 14	82.9	70.4	101.3
Sep 15	81.4	70.6	101.3
Sep 16	80.1	72.2	95.2
Sep 17	79.9	67.1	97.3
Sep 18	82.8	68.3	105.2
Sep 19	83.9	69.4	103.9
Sep 20	83.3	71.0	106.9
Sep 21	82.9	71.5	105.0
Sep 22	89.6	71.8	105.5
Sep 23	104.6	102.5	107.0
Sep 24	106.6	105.4	108.0
Sep 25	108.5	107.4	110.0
Sep 26	109.8	108.6	112.0
Sep 27	110.1	109.3	112.0
Sep 28	110.7	109.4	112.7
Sep 29	111.0	110.0	112.6
Summary	87.5	74.5	111.0

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 70

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	70.3	55.8	92.3
Sep 2	68.4	52.6	92.5
Sep 3	66.3	60.8	80.7
Sep 4	64.0	58.5	79.6
Sep 5	69.8	57.9	87.3
Sep 6	70.1	64.8	83.8
Sep 7	65.9	53.0	82.9
Sep 8	63.8	47.8	89.0
Sep 9	64.6	47.9	89.8
Sep 10	65.2	48.3	90.1
Sep 11	66.7	49.8	92.2
Sep 12	68.4	51.1	93.9
Sep 13	70.0	54.5	95.8
Sep 14	71.0	55.7	94.8
Sep 15	70.6	57.1	93.2
Sep 16	69.3	59.8	85.8
Sep 17	68.7	53.5	90.6
Sep 18	71.8	55.7	97.6
Sep 19	72.4	55.7	97.8
Sep 20	72.9	58.5	100.6
Sep 21	72.7	58.7	97.5
Sep 22	72.3	60.3	88.7
Sep 23	72.5	65.8	82.9
Sep 24	70.5	66.9	75.5
Sep 25	72.0	67.5	82.0
Sep 26	74.1	67.0	87.3
Sep 27	71.3	65.3	84.9
Sep 28	72.8	63.4	88.7
Sep 29	72.2	62.7	86.5
Summary	69.7	63.8	74.1

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 71

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	140.6	140.0	141.6
Sep 2	140.8	140.0	141.6
Sep 3	140.3	138.6	141.1
Sep 4	140.2	138.5	141.0
Sep 5	140.5	140.0	141.2
Sep 6	140.3	138.7	140.7
Sep 7	139.8	137.9	140.9
Sep 8	140.1	139.1	141.4
Sep 9	140.2	139.5	140.9
Sep 10	140.2	139.4	141.1
Sep 11	140.3	139.7	141.1
Sep 12	140.4	139.7	141.4
Sep 13	140.5	139.8	141.6
Sep 14	140.5	139.8	141.2
Sep 15	140.2	139.5	141.3
Sep 16	140.2	139.8	140.7
Sep 17	140.1	139.6	140.7
Sep 18	140.3	139.5	141.3
Sep 19	140.3	139.5	141.7
Sep 20	140.3	139.7	141.3
Sep 21	140.1	139.0	141.2
Sep 22	140.2	137.4	141.7
Sep 23	140.4	139.9	140.8
Sep 24	140.4	139.5	140.6
Sep 25	140.4	140.2	141.0
Sep 26	140.5	139.9	141.5
Sep 27	140.3	139.8	141.2
Sep 28	140.2	139.5	140.9
Sep 29	140.0	139.2	140.8
Summary	140.3	139.8	140.8

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 72

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	136.4	134.9	138.8
Sep 2	136.6	135.2	138.9
Sep 3	136.0	133.3	138.5
Sep 4	135.9	133.5	137.1
Sep 5	136.4	134.9	138.1
Sep 6	135.7	130.1	137.2
Sep 7	134.1	130.0	136.3
Sep 8	134.9	133.0	137.2
Sep 9	135.6	134.0	138.8
Sep 10	136.2	134.3	138.1
Sep 11	136.4	135.0	138.8
Sep 12	136.6	135.1	139.3
Sep 13	137.0	135.3	139.7
Sep 14	137.1	135.6	139.4
Sep 15	136.5	135.1	139.1
Sep 16	136.5	135.4	137.7
Sep 17	136.4	135.4	137.9
Sep 18	137.0	135.3	139.4
Sep 19	136.9	135.6	139.8
Sep 20	136.8	135.4	140.0
Sep 21	136.8	135.0	139.8
Sep 22	136.6	132.5	139.3
Sep 23	136.2	133.5	138.1
Sep 24	136.0	134.9	137.0
Sep 25	136.4	135.6	137.6
Sep 26	136.4	134.7	138.4
Sep 27	136.0	135.3	137.5
Sep 28	135.7	133.4	137.5
Sep 29	135.8	134.3	137.9
Summary	136.2	134.1	137.1

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 73

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	113.5	112.4	115.4
Sep 2	113.2	112.3	114.8
Sep 3	112.2	111.2	113.0
Sep 4	111.5	110.8	112.6
Sep 5	111.7	111.0	112.9
Sep 6	111.1	110.1	112.1
Sep 7	110.6	109.6	112.2
Sep 8	110.6	109.1	112.7
Sep 9	107.9	103.5	110.1
Sep 10	105.0	102.8	108.2
Sep 11	105.3	103.0	108.7
Sep 12	105.7	103.3	109.7
Sep 13	105.8	103.5	109.5
Sep 14	105.7	103.7	108.9
Sep 15	105.6	103.7	108.9
Sep 16	105.0	103.8	107.8
Sep 17	105.0	103.0	108.1
Sep 18	105.4	103.0	109.3
Sep 19	105.6	103.2	109.6
Sep 20	105.5	103.3	109.6
Sep 21	105.3	103.1	109.0
Sep 22	107.5	103.6	112.3
Sep 23	110.8	110.1	111.9
Sep 24	110.4	109.9	110.8
Sep 25	110.5	110.1	111.2
Sep 26	110.7	110.0	112.1
Sep 27	110.3	109.7	111.9
Sep 28	110.4	109.5	111.8
Sep 29	110.1	109.3	111.4
Summary	108.5	105.0	113.5

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 74

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	124.1	121.8	127.8
Sep 2	125.5	123.4	128.5
Sep 3	124.7	119.7	126.9
Sep 4	124.6	122.1	125.7
Sep 5	124.6	122.8	126.1
Sep 6	123.6	118.2	125.3
Sep 7	121.6	116.1	124.0
Sep 8	122.6	118.9	125.8
Sep 9	123.6	121.2	126.5
Sep 10	124.1	121.0	126.5
Sep 11	124.8	122.8	127.7
Sep 12	125.3	123.1	128.4
Sep 13	126.3	124.3	129.5
Sep 14	126.4	124.2	129.1
Sep 15	125.3	123.1	129.1
Sep 16	125.3	124.2	126.6
Sep 17	125.8	124.2	128.5
Sep 18	126.5	123.7	129.8
Sep 19	126.5	124.4	129.5
Sep 20	126.0	124.1	129.4
Sep 21	125.9	123.4	129.9
Sep 22	126.1	118.8	130.0
Sep 23	125.9	123.1	128.7
Sep 24	126.1	123.2	127.8
Sep 25	127.4	126.2	129.8
Sep 26	127.4	124.9	130.5
Sep 27	126.3	124.7	128.0
Sep 28	124.8	121.8	126.7
Sep 29	125.0	123.0	126.9
Summary	125.2	121.6	127.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 75

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	125.2	124.3	126.2
Sep 2	125.4	124.8	126.6
Sep 3	124.9	123.2	125.9
Sep 4	124.6	122.5	125.5
Sep 5	125.0	124.3	125.8
Sep 6	124.9	121.9	125.3
Sep 7	124.4	122.3	125.2
Sep 8	124.7	123.6	126.1
Sep 9	125.0	123.7	126.0
Sep 10	125.0	123.9	125.9
Sep 11	125.1	124.3	126.0
Sep 12	125.2	124.4	126.3
Sep 13	125.3	124.6	126.3
Sep 14	125.2	124.4	125.8
Sep 15	124.9	123.1	126.2
Sep 16	124.8	124.1	125.5
Sep 17	124.9	124.4	125.7
Sep 18	125.0	124.1	126.3
Sep 19	125.0	124.1	126.4
Sep 20	124.9	124.2	126.2
Sep 21	124.8	123.9	126.0
Sep 22	123.7	119.1	125.2
Sep 23	123.5	122.0	124.9
Sep 24	123.3	121.2	123.9
Sep 25	123.7	123.3	124.7
Sep 26	123.8	122.8	125.7
Sep 27	123.6	122.1	125.1
Sep 28	123.5	122.4	124.9
Sep 29	123.4	122.3	125.0
Summary	124.6	123.3	125.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 76

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	127.7	127.4	128.2
Sep 2	127.5	127.2	127.8
Sep 3	127.2	126.8	127.6
Sep 4	127.1	126.9	127.4
Sep 5	127.2	127.0	127.6
Sep 6	127.1	126.8	127.3
Sep 7	126.9	126.7	127.3
Sep 8	127.0	126.7	127.5
Sep 9	127.0	126.6	127.6
Sep 10	126.9	126.6	127.5
Sep 11	127.0	126.6	127.5
Sep 12	126.9	126.5	127.4
Sep 13	127.0	126.5	127.6
Sep 14	126.9	126.6	127.5
Sep 15	126.9	126.5	127.4
Sep 16	126.8	126.6	127.3
Sep 17	126.8	126.5	127.2
Sep 18	126.9	126.4	127.5
Sep 19	126.9	126.5	127.5
Sep 20	126.8	126.4	127.4
Sep 21	126.7	126.4	127.3
Sep 22	126.7	126.4	127.3
Sep 23	126.6	126.3	127.1
Sep 24	126.5	126.3	126.7
Sep 25	126.6	126.4	126.8
Sep 26	126.6	126.4	127.1
Sep 27	126.6	126.3	126.9
Sep 28	126.6	126.3	127.1
Sep 29	126.5	126.2	126.9
Summary	126.9	126.5	127.7

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 77

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	74.5	58.9	96.2
Sep 2	73.7	56.5	95.6
Sep 3	67.9	60.9	82.1
Sep 4	65.4	60.1	84.5
Sep 5	72.6	59.5	91.3
Sep 6	71.1	64.5	84.7
Sep 7	66.3	56.1	82.6
Sep 8	66.9	49.4	87.1
Sep 9	68.2	50.4	90.1
Sep 10	69.2	51.8	93.7
Sep 11	71.3	52.6	96.4
Sep 12	73.7	53.9	100.0
Sep 13	75.4	57.7	99.2
Sep 14	75.6	58.6	98.4
Sep 15	74.0	59.9	99.0
Sep 16	72.5	62.9	90.4
Sep 17	72.0	55.8	93.1
Sep 18	76.7	57.9	102.8
Sep 19	77.4	58.3	103.0
Sep 20	77.3	60.7	103.3
Sep 21	76.7	62.3	99.5
Sep 22	76.0	62.2	97.1
Sep 23	74.2	64.6	88.9
Sep 24	70.5	66.0	77.8
Sep 25	73.0	66.7	86.4
Sep 26	75.5	65.5	93.5
Sep 27	71.8	63.3	91.4
Sep 28	73.2	60.6	91.0
Sep 29	73.3	60.8	89.9
Summary	72.6	65.4	77.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 78

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	111.2	104.3	117.0
Sep 2	111.2	104.3	117.1
Sep 3	110.8	107.1	114.6
Sep 4	109.3	104.4	112.9
Sep 5	109.8	102.2	114.5
Sep 6	109.7	104.8	111.9
Sep 7	107.0	101.2	113.8
Sep 8	109.9	106.3	116.7
Sep 9	109.6	105.2	114.5
Sep 10	111.1	108.0	115.9
Sep 11	111.6	108.2	116.7
Sep 12	110.3	103.2	117.2
Sep 13	111.4	106.0	116.7
Sep 14	112.4	110.0	117.3
Sep 15	110.8	106.3	116.4
Sep 16	111.7	109.7	115.2
Sep 17	110.7	103.5	115.2
Sep 18	111.8	106.8	117.7
Sep 19	112.4	108.9	117.9
Sep 20	112.4	110.0	118.0
Sep 21	111.6	107.0	117.4
Sep 22	111.4	103.3	116.8
Sep 23	110.7	105.1	114.2
Sep 24	109.5	84.5	112.2
Sep 25	110.9	108.1	114.3
Sep 26	112.1	109.8	115.4
Sep 27	109.8	108.1	113.2
Sep 28	109.9	107.1	115.6
Sep 29	110.7	107.1	116.5
Summary	110.7	107.0	112.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 79

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	74.6	59.0	98.0
Sep 2	74.4	56.5	98.1
Sep 3	68.2	60.6	85.2
Sep 4	64.9	60.3	82.1
Sep 5	73.1	59.9	92.5
Sep 6	71.3	64.9	85.7
Sep 7	66.8	56.2	86.7
Sep 8	67.5	49.9	95.5
Sep 9	68.2	51.2	90.8
Sep 10	69.5	52.4	94.5
Sep 11	71.5	53.0	94.8
Sep 12	73.8	54.2	99.3
Sep 13	75.8	58.7	99.0
Sep 14	75.7	59.3	99.3
Sep 15	74.4	60.3	101.2
Sep 16	72.6	63.8	89.8
Sep 17	72.6	56.2	92.8
Sep 18	77.5	58.6	104.7
Sep 19	78.4	58.8	107.1
Sep 20	77.7	61.0	103.9
Sep 21	77.3	63.3	99.5
Sep 22	76.6	63.1	98.3
Sep 23	74.8	64.6	93.7
Sep 24	71.1	66.0	78.4
Sep 25	73.6	67.7	87.1
Sep 26	76.1	66.1	100.0
Sep 27	72.7	64.6	93.4
Sep 28	74.0	61.5	97.7
Sep 29	73.9	61.8	90.2
Summary	73.1	64.9	78.4

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 80

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	71.4	54.7	94.0
Sep 2	71.4	52.6	97.5
Sep 3	66.0	59.9	81.3
Sep 4	63.3	57.6	85.0
Sep 5	71.7	57.6	90.1
Sep 6	70.4	64.4	86.1
Sep 7	66.2	51.7	86.8
Sep 8	65.1	46.8	89.5
Sep 9	65.6	46.4	90.3
Sep 10	67.4	48.7	93.9
Sep 11	69.2	49.3	95.4
Sep 12	71.6	50.7	99.9
Sep 13	73.1	54.6	100.2
Sep 14	73.5	55.8	98.0
Sep 15	72.1	56.3	99.3
Sep 16	70.2	59.8	92.1
Sep 17	71.2	52.7	94.5
Sep 18	74.6	55.3	101.8
Sep 19	75.6	55.5	104.1
Sep 20	75.8	58.5	103.9
Sep 21	76.2	60.3	99.0
Sep 22	75.7	60.4	99.3
Sep 23	73.1	63.4	88.7
Sep 24	69.7	64.1	77.5
Sep 25	72.0	65.3	86.6
Sep 26	74.3	64.1	95.4
Sep 27	70.4	61.0	95.1
Sep 28	72.4	59.3	92.8
Sep 29	71.5	58.8	90.8
Summary	71.1	63.3	76.2

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 81

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	163.7	162.2	164.8
Sep 2	164.5	163.2	166.0
Sep 3	164.2	160.3	165.5
Sep 4	164.2	161.9	165.5
Sep 5	164.4	163.2	165.6
Sep 6	163.0	160.0	165.1
Sep 7	160.8	156.8	162.5
Sep 8	162.9	161.8	164.1
Sep 9	164.2	162.5	166.6
Sep 10	165.8	164.5	167.1
Sep 11	166.6	165.7	167.9
Sep 12	167.4	165.6	168.9
Sep 13	168.2	167.0	169.7
Sep 14	168.5	167.0	169.4
Sep 15	168.2	165.8	169.3
Sep 16	168.5	167.5	169.0
Sep 17	168.4	167.5	169.6
Sep 18	169.3	168.4	170.6
Sep 19	169.3	168.0	171.3
Sep 20	169.2	168.0	171.2
Sep 21	169.1	166.9	170.8
Sep 22	168.5	160.2	170.4
Sep 23	168.3	166.6	169.6
Sep 24	168.2	163.7	169.7
Sep 25	169.1	167.5	169.9
Sep 26	169.3	167.3	171.1
Sep 27	169.1	166.9	170.1
Sep 28	167.4	165.1	169.0
Sep 29	168.0	165.2	169.3
Summary	166.8	160.8	169.3

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 82

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	172.2	171.4	173.2
Sep 2	172.3	171.4	173.8
Sep 3	171.9	168.5	173.3
Sep 4	171.9	168.4	172.6
Sep 5	171.6	170.5	172.4
Sep 6	168.9	165.9	172.1
Sep 7	167.7	164.7	169.1
Sep 8	169.1	167.8	171.2
Sep 9	170.0	168.9	171.5
Sep 10	170.3	168.9	171.2
Sep 11	170.7	169.2	171.8
Sep 12	171.2	170.2	172.6
Sep 13	171.5	170.7	173.1
Sep 14	171.7	170.8	173.1
Sep 15	171.4	170.1	172.2
Sep 16	171.4	170.6	172.1
Sep 17	171.6	170.5	172.3
Sep 18	172.0	170.7	173.6
Sep 19	171.9	171.2	173.0
Sep 20	171.6	170.9	172.7
Sep 21	171.3	168.5	173.0
Sep 22	171.2	166.2	172.7
Sep 23	170.4	168.0	171.4
Sep 24	170.6	168.4	171.4
Sep 25	170.8	169.1	171.5
Sep 26	171.5	170.5	172.7
Sep 27	171.0	169.2	172.1
Sep 28	170.5	169.5	171.9
Sep 29	170.6	169.7	171.5
Summary	171.0	167.7	172.3

Solid Waste Permit 588 Daily Wellhead Temperature
Averages for Well 83
 Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	165.0	164.3	165.6
Sep 2	165.5	164.5	166.3
Sep 3	164.9	162.7	165.7
Sep 4	164.7	162.1	165.4
Sep 5	165.3	164.7	166.2
Sep 6	165.2	163.1	166.1
Sep 7	163.8	161.4	164.9
Sep 8	164.0	162.8	165.0
Sep 9	164.6	163.4	166.0
Sep 10	164.8	163.5	165.6
Sep 11	164.7	163.7	165.6
Sep 12	164.7	163.7	165.7
Sep 13	165.0	164.0	166.0
Sep 14	164.8	163.8	165.6
Sep 15	164.6	162.7	165.7
Sep 16	164.6	164.1	165.4
Sep 17	164.1	163.5	164.9
Sep 18	164.6	163.4	165.7
Sep 19	164.6	163.3	166.2
Sep 20	164.5	163.7	165.6
Sep 21	164.3	163.0	165.8
Sep 22	164.2	158.8	166.1
Sep 23	163.8	162.6	164.9
Sep 24	163.7	157.8	165.1
Sep 25	164.0	162.4	164.9
Sep 26	163.9	162.4	165.4
Sep 27	163.3	161.9	164.6
Sep 28	162.0	160.4	163.8
Sep 29	162.2	160.3	164.1
Summary	164.3	162.0	165.5

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 84

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	161.7	161.3	162.1
Sep 2	161.9	161.2	162.6
Sep 3	161.9	161.3	162.4
Sep 4	161.9	161.4	162.4
Sep 5	161.9	161.5	162.5
Sep 6	161.7	161.3	162.1
Sep 7	161.2	160.8	161.7
Sep 8	161.1	160.5	162.0
Sep 9	161.1	160.8	161.5
Sep 10	161.0	160.4	161.5
Sep 11	161.1	160.5	161.6
Sep 12	161.3	160.7	162.0
Sep 13	161.4	160.9	162.1
Sep 14	161.5	161.0	161.9
Sep 15	161.4	160.8	162.1
Sep 16	161.4	161.1	161.8
Sep 17	161.5	160.9	162.0
Sep 18	161.5	160.9	162.4
Sep 19	161.6	160.9	162.4
Sep 20	161.5	160.9	162.4
Sep 21	161.4	160.9	162.3
Sep 22	161.5	160.9	162.3
Sep 23	161.4	161.0	161.9
Sep 24	161.3	161.0	161.8
Sep 25	161.5	161.3	161.9
Sep 26	161.6	161.1	162.3
Sep 27	161.4	160.9	162.2
Sep 28	161.1	160.7	161.8
Sep 29	161.0	160.6	161.6
Summary	161.4	161.0	161.9

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 85

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	154.8	153.2	157.6
Sep 2	155.5	152.4	158.7
Sep 3	155.6	153.0	157.2
Sep 4	155.6	153.0	156.5
Sep 5	155.8	154.0	157.2
Sep 6	153.8	152.0	156.0
Sep 7	153.3	150.8	155.5
Sep 8	152.8	151.3	156.0
Sep 9	153.2	150.7	156.4
Sep 10	153.0	151.8	155.2
Sep 11	152.4	150.7	154.7
Sep 12	152.0	150.0	155.7
Sep 13	152.6	150.8	156.3
Sep 14	152.6	150.8	155.8
Sep 15	151.9	150.3	153.9
Sep 16	151.8	150.9	153.9
Sep 17	151.5	148.5	153.8
Sep 18	152.3	149.9	155.8
Sep 19	152.5	150.6	155.4
Sep 20	152.3	150.1	156.0
Sep 21	152.5	149.2	156.2
Sep 22	152.1	147.9	155.7
Sep 23	151.4	149.7	153.8
Sep 24	149.3	99.9	155.7
Sep 25	150.8	149.4	152.8
Sep 26	152.2	150.7	154.1
Sep 27	151.1	149.2	152.8
Sep 28	151.6	149.3	154.9
Sep 29	151.6	150.2	154.1
Summary	152.7	149.3	155.8

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 86

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	144.5	144.0	145.3
Sep 2	144.7	143.4	146.2
Sep 3	144.6	143.7	145.1
Sep 4	144.3	143.6	145.1
Sep 5	144.4	143.6	145.3
Sep 6	144.1	143.5	144.5
Sep 7	143.4	142.7	144.3
Sep 8	143.5	142.7	144.6
Sep 9	143.7	143.1	144.6
Sep 10	143.7	142.7	144.5
Sep 11	143.7	142.8	144.6
Sep 12	144.0	143.0	145.4
Sep 13	144.2	143.4	145.3
Sep 14	144.3	143.4	145.5
Sep 15	144.3	143.4	145.6
Sep 16	144.4	143.8	145.4
Sep 17	144.6	143.8	145.4
Sep 18	144.8	143.8	146.3
Sep 19	144.9	143.8	146.7
Sep 20	145.0	144.0	146.4
Sep 21	145.0	144.1	146.5
Sep 22	145.0	144.0	146.1
Sep 23	144.7	144.1	145.3
Sep 24	144.6	143.9	145.0
Sep 25	144.9	144.5	145.3
Sep 26	144.9	144.4	146.0
Sep 27	144.7	144.0	145.9
Sep 28	144.4	143.7	145.6
Sep 29	144.4	143.8	145.3
Summary	144.4	143.4	145.0

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 87

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	92.7	86.0	102.2
Sep 2	94.5	82.3	108.3
Sep 3	89.8	78.6	97.1
Sep 4	88.4	77.5	99.5
Sep 5	93.5	84.5	104.2
Sep 6	90.9	79.2	97.1
Sep 7	84.3	71.9	96.3
Sep 8	85.9	72.7	101.5
Sep 9	89.1	79.9	105.7
Sep 10	90.7	77.3	104.5
Sep 11	94.4	81.7	109.4
Sep 12	101.3	88.8	114.4
Sep 13	100.5	90.6	112.6
Sep 14	96.6	85.2	110.1
Sep 15	94.6	84.2	112.1
Sep 16	95.2	88.9	105.6
Sep 17	96.6	87.4	107.3
Sep 18	99.7	89.8	113.8
Sep 19	97.6	84.4	116.0
Sep 20	97.0	85.5	115.0
Sep 21	96.8	85.1	113.2
Sep 22	94.3	77.9	112.4
Sep 23	89.4	77.1	99.0
Sep 24	88.4	79.6	93.3
Sep 25	90.3	85.9	97.9
Sep 26	91.9	85.0	106.8
Sep 27	88.8	82.4	101.6
Sep 28	88.0	77.5	103.6
Sep 29	86.7	77.8	99.1
Summary	92.7	84.3	101.3

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 88

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	171.2	170.6	171.7
Sep 2	171.6	170.7	172.6
Sep 3	172.1	171.1	172.9
Sep 4	172.1	170.6	172.7
Sep 5	172.1	171.5	172.6
Sep 6	171.2	170.6	172.0
Sep 7	170.7	170.1	171.3
Sep 8	170.6	169.6	171.5
Sep 9	170.7	169.8	171.3
Sep 10	170.4	169.2	171.6
Sep 11	170.7	170.0	171.8
Sep 12	171.3	170.9	172.4
Sep 13	171.4	170.8	172.1
Sep 14	171.4	170.9	172.1
Sep 15	171.4	170.5	172.0
Sep 16	171.5	170.8	172.1
Sep 17	171.7	170.8	172.5
Sep 18	171.7	171.1	172.7
Sep 19	171.9	171.3	172.7
Sep 20	141.2	136.2	172.0
Sep 21	135.9	134.9	137.4
Sep 22	155.5	134.9	168.4
Sep 23	167.7	165.0	169.3
Sep 24	167.3	166.5	168.0
Sep 25	170.6	167.7	173.0
Sep 26	172.5	171.6	173.4
Sep 27	172.5	172.0	173.1
Sep 28	172.1	171.0	172.7
Sep 29	172.3	171.5	172.8
Summary	168.4	135.9	172.5

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 89

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	194.0	193.5	194.5
Sep 2	196.3	192.6	198.7
Sep 3	196.4	194.2	198.4
Sep 4	198.2	197.6	198.6
Sep 5	197.1	195.6	198.6
Sep 6	194.4	193.6	195.4
Sep 7	193.4	192.5	194.2
Sep 8	194.9	192.3	198.2
Sep 9	193.7	188.8	194.3
Sep 10	193.5	192.9	194.0
Sep 11	193.3	193.0	193.8
Sep 12	193.3	192.8	194.1
Sep 13	193.2	192.8	193.8
Sep 14	193.0	192.5	193.5
Sep 15	192.8	192.4	193.5
Sep 16	192.7	192.4	193.1
Sep 17	192.5	192.0	193.1
Sep 18	192.5	191.9	193.3
Sep 19	192.4	191.9	193.3
Sep 20	192.4	191.9	193.1
Sep 21	192.4	191.7	193.3
Sep 22	191.6	185.9	193.2
Sep 23	191.4	189.0	192.4
Sep 24	152.3	118.4	192.2
Sep 25	120.5	117.1	125.5
Sep 26	121.6	118.1	128.3
Sep 27	121.1	118.6	125.2
Sep 28	120.4	116.1	126.2
Sep 29	120.6	116.7	125.5
Summary	179.7	120.4	198.2

Solid Waste Permit 588 Daily Wellhead Temperature
Averages for Well 90
 Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	134.4	133.8	135.0
Sep 2	134.5	133.8	135.5
Sep 3	134.3	133.8	134.9
Sep 4	134.3	133.7	134.7
Sep 5	134.5	134.1	135.3
Sep 6	134.4	134.0	134.7
Sep 7	133.9	133.4	134.6
Sep 8	133.8	133.1	134.5
Sep 9	133.9	133.4	134.8
Sep 10	134.0	133.1	134.7
Sep 11	134.0	133.4	134.7
Sep 12	134.0	133.4	135.1
Sep 13	134.1	133.5	134.9
Sep 14	134.3	133.8	135.1
Sep 15	134.3	133.9	135.2
Sep 16	134.2	133.8	134.9
Sep 17	134.3	133.7	135.0
Sep 18	134.5	133.9	135.5
Sep 19	134.5	133.4	135.4
Sep 20	134.5	133.8	135.5
Sep 21	134.4	133.7	135.5
Sep 22	134.4	133.6	135.2
Sep 23	134.3	133.6	134.7
Sep 24	134.3	133.7	134.6
Sep 25	134.4	134.1	134.9
Sep 26	134.5	134.2	135.3
Sep 27	134.4	133.9	135.0
Sep 28	134.1	133.8	134.8
Sep 29	133.8	133.3	134.6
Summary	134.2	133.8	134.5

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 91

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	158.8	158.0	159.8
Sep 2	159.4	157.8	160.9
Sep 3	159.2	156.4	160.3
Sep 4	159.0	154.4	160.1
Sep 5	159.7	158.7	160.8
Sep 6	158.7	156.8	160.3
Sep 7	156.6	152.8	157.8
Sep 8	156.6	145.7	159.6
Sep 9	157.7	156.4	159.3
Sep 10	157.9	156.6	159.5
Sep 11	158.2	156.7	159.8
Sep 12	159.1	157.9	160.6
Sep 13	159.4	158.2	160.6
Sep 14	159.4	158.2	160.5
Sep 15	159.5	158.5	160.6
Sep 16	159.3	152.5	160.4
Sep 17	159.3	158.4	160.3
Sep 18	159.9	158.7	161.4
Sep 19	159.9	158.5	161.9
Sep 20	160.0	158.8	161.7
Sep 21	159.7	158.5	161.6
Sep 22	159.4	156.1	161.2
Sep 23	159.4	157.6	160.6
Sep 24	159.4	154.8	160.4
Sep 25	159.7	157.9	160.6
Sep 26	159.8	158.7	161.2
Sep 27	159.8	158.4	160.4
Sep 28	159.0	157.5	160.0
Sep 29	158.6	155.4	160.6
Summary	159.0	156.6	160.0

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 92

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	165.7	156.6	173.0
Sep 2	166.9	161.0	173.8
Sep 3	161.7	138.8	172.8
Sep 4	162.6	116.7	170.4
Sep 5	168.0	155.9	175.0
Sep 6	157.1	122.9	174.1
Sep 7	149.0	108.1	163.0
Sep 8	157.7	144.9	168.4
Sep 9	159.6	151.2	166.6
Sep 10	158.0	149.7	164.6
Sep 11	161.4	151.9	172.7
Sep 12	164.9	155.6	173.8
Sep 13	168.3	158.8	175.6
Sep 14	167.7	159.9	176.1
Sep 15	165.3	143.3	178.2
Sep 16	166.9	161.8	171.9
Sep 17	162.2	151.9	170.4
Sep 18	167.4	153.7	178.7
Sep 19	166.6	156.8	177.2
Sep 20	163.7	153.5	177.0
Sep 21	162.8	139.3	172.0
Sep 22	159.3	124.1	176.2
Sep 23	160.3	142.3	169.2
Sep 24	161.9	138.6	170.7
Sep 25	163.5	144.5	171.9
Sep 26	167.0	155.5	174.1
Sep 27	164.0	138.5	172.1
Sep 28	158.8	147.1	169.4
Sep 29	160.6	138.9	170.8
Summary	162.7	149.0	168.3

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 93

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	79.0	63.2	107.7
Sep 2	77.9	60.6	104.6
Sep 3	73.3	65.6	94.9
Sep 4	70.4	65.0	87.7
Sep 5	78.3	65.1	99.5
Sep 6	78.3	69.7	90.7
Sep 7	79.7	66.8	104.5
Sep 8	79.7	63.3	109.4
Sep 9	79.6	64.4	107.2
Sep 10	80.0	66.0	108.6
Sep 11	80.9	65.3	108.9
Sep 12	78.4	58.8	112.2
Sep 13	80.0	62.5	109.2
Sep 14	78.5	63.3	106.6
Sep 15	78.8	64.1	105.3
Sep 16	76.7	67.3	93.8
Sep 17	76.5	60.8	103.8
Sep 18	82.6	62.9	114.6
Sep 19	80.9	63.3	114.3
Sep 20	80.1	65.2	114.2
Sep 21	80.8	67.0	111.7
Sep 22	81.0	67.3	107.9
Sep 23	80.1	70.3	96.4
Sep 24	77.8	72.9	85.1
Sep 25	80.9	74.7	99.3
Sep 26	84.5	74.4	105.4
Sep 27	80.1	71.0	98.0
Sep 28	82.6	68.9	111.0
Sep 29	80.5	69.7	101.5
Summary	79.2	70.4	84.5

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 94

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	145.2	141.5	150.5
Sep 2	141.3	137.4	146.8
Sep 3	137.0	135.0	140.1
Sep 4	145.0	132.7	168.2
Sep 5	170.8	168.3	173.6
Sep 6	170.5	169.1	171.1
Sep 7	170.3	168.6	172.9
Sep 8	169.6	167.5	171.6
Sep 9	167.3	165.0	170.2
Sep 10	165.3	162.8	168.1
Sep 11	163.0	156.6	167.1
Sep 12	163.2	161.3	166.8
Sep 13	163.6	161.7	167.1
Sep 14	164.6	162.8	167.9
Sep 15	165.1	158.6	168.5
Sep 16	165.0	158.4	169.4
Sep 17	166.2	160.1	170.4
Sep 18	164.5	158.1	170.1
Sep 19	163.7	157.9	170.5
Sep 20	161.6	156.3	169.0
Sep 21	159.1	152.8	166.9
Sep 22	156.9	148.1	168.5
Sep 23	153.8	149.9	166.1
Sep 24	153.5	148.7	167.4
Sep 25	154.2	149.4	167.0
Sep 26	152.2	147.5	165.9
Sep 27	152.5	145.6	167.0
Sep 28	152.3	147.1	169.2
Sep 29	150.1	146.5	153.8
Summary	158.9	137.0	170.8

Solid Waste Permit 588 Daily Wellhead Temperature
Averages for Well 95
 Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	132.8	126.5	136.9
Sep 2	130.4	116.2	142.8
Sep 3	129.1	123.3	139.9
Sep 4	131.5	126.3	141.6
Sep 5	130.1	110.7	141.3
Sep 6	133.7	118.8	139.2
Sep 7	137.9	135.6	139.8
Sep 8	138.0	135.8	141.7
Sep 9	138.3	136.8	141.4
Sep 10	138.3	136.5	140.3
Sep 11	136.6	126.2	142.0
Sep 12	122.3	102.1	141.2
Sep 13	124.3	102.2	134.8
Sep 14	127.9	117.7	135.4
Sep 15	126.2	110.4	141.2
Sep 16	124.3	113.1	142.2
Sep 17	124.9	112.8	142.0
Sep 18	124.4	107.0	141.7
Sep 19	121.6	101.0	141.8
Sep 20	108.0	84.6	122.7
Sep 21	108.2	85.1	124.0
Sep 22	116.4	94.3	141.2
Sep 23	119.2	103.3	140.4
Sep 24	126.1	107.4	140.8
Sep 25	127.5	117.7	141.4
Sep 26	123.3	104.4	140.6
Sep 27	116.3	106.2	123.7
Sep 28	118.2	102.6	126.9
Sep 29	121.2	108.1	141.0
Summary	126.1	108.0	138.3

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 96

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	138.4	137.6	139.4
Sep 2	139.5	137.9	141.8
Sep 3	139.0	137.2	140.0
Sep 4	138.9	135.9	140.6
Sep 5	139.9	138.6	141.2
Sep 6	139.0	136.9	140.8
Sep 7	137.2	134.2	138.6
Sep 8	137.6	135.8	139.9
Sep 9	137.7	136.1	139.9
Sep 10	137.8	136.3	139.8
Sep 11	138.1	136.3	139.9
Sep 12	139.4	137.6	141.8
Sep 13	139.6	138.4	141.5
Sep 14	139.4	137.9	141.4
Sep 15	139.6	137.6	141.9
Sep 16	139.9	139.0	141.6
Sep 17	139.4	138.1	140.7
Sep 18	140.3	138.4	142.2
Sep 19	140.7	138.8	143.5
Sep 20	141.1	139.6	143.2
Sep 21	141.2	139.0	143.3
Sep 22	141.0	136.1	143.0
Sep 23	140.6	139.5	141.4
Sep 24	140.5	138.6	141.6
Sep 25	140.9	140.4	141.3
Sep 26	141.2	139.7	143.4
Sep 27	141.3	139.6	142.4
Sep 28	140.9	139.3	142.2
Sep 29	140.5	137.9	141.6
Summary	139.7	137.2	141.3

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 97

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	152.1	151.0	153.5
Sep 2	153.0	151.2	155.0
Sep 3	153.1	151.1	154.2
Sep 4	153.1	151.7	153.7
Sep 5	153.3	151.3	154.9
Sep 6	152.3	147.1	154.5
Sep 7	150.1	146.7	151.7
Sep 8	150.3	147.5	152.1
Sep 9	151.0	149.7	153.0
Sep 10	151.0	149.0	153.6
Sep 11	152.0	150.2	153.6
Sep 12	154.1	152.4	155.7
Sep 13	154.5	152.9	156.2
Sep 14	154.7	153.3	156.2
Sep 15	154.9	153.7	156.6
Sep 16	155.2	154.2	156.2
Sep 17	155.1	153.9	156.1
Sep 18	155.9	154.7	157.6
Sep 19	155.9	154.3	157.8
Sep 20	156.3	154.8	157.9
Sep 21	156.0	153.8	157.9
Sep 22	155.9	153.9	157.7
Sep 23	156.0	154.2	157.0
Sep 24	155.8	154.5	156.8
Sep 25	156.3	155.5	157.2
Sep 26	156.6	155.2	157.7
Sep 27	156.5	155.8	157.0
Sep 28	156.0	154.4	157.3
Sep 29	155.6	153.5	156.9
Summary	154.2	150.1	156.6

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 98

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	71.3	54.7	101.0
Sep 2	74.4	52.4	101.4
Sep 3	81.1	75.5	92.9
Sep 4	81.1	77.3	92.5
Sep 5	86.8	78.3	98.3
Sep 6	86.5	80.8	94.5
Sep 7	75.5	53.0	91.0
Sep 8	69.7	47.1	93.1
Sep 9	80.7	69.8	98.0
Sep 10	83.6	72.4	99.1
Sep 11	80.8	59.6	100.7
Sep 12	72.5	51.0	101.7
Sep 13	72.6	55.0	105.1
Sep 14	72.4	56.0	102.7
Sep 15	75.5	56.5	100.6
Sep 16	82.3	75.2	95.7
Sep 17	79.0	62.6	96.7
Sep 18	75.2	55.9	104.2
Sep 19	76.8	55.9	106.1
Sep 20	77.4	61.1	104.7
Sep 21	79.2	60.6	103.5
Sep 22	86.2	76.7	101.8
Sep 23	86.5	80.0	97.0
Sep 24	79.8	69.5	86.8
Sep 25	76.5	65.9	94.5
Sep 26	80.9	65.8	101.7
Sep 27	73.5	62.1	94.7
Sep 28	73.3	59.5	99.3
Sep 29	75.5	58.9	95.1
Summary	78.2	69.7	86.8

Solid Waste Permit 588 Daily Wellhead Temperature

Averages for Well 99

Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	147.2	146.7	147.8
Sep 2	147.1	146.7	148.0
Sep 3	146.9	146.1	147.5
Sep 4	146.7	146.3	147.3
Sep 5	146.8	146.3	147.2
Sep 6	146.8	146.1	147.2
Sep 7	146.6	146.1	147.1
Sep 8	146.5	146.1	147.1
Sep 9	146.7	146.2	147.4
Sep 10	146.7	146.3	147.2
Sep 11	146.7	146.3	147.1
Sep 12	146.6	146.1	147.6
Sep 13	146.7	146.1	147.6
Sep 14	146.8	146.3	147.5
Sep 15	146.6	146.2	147.5
Sep 16	146.6	146.3	147.3
Sep 17	146.7	146.3	147.2
Sep 18	146.8	146.3	147.7
Sep 19	146.8	146.4	147.5
Sep 20	146.8	146.2	147.8
Sep 21	146.7	146.1	147.6
Sep 22	146.7	145.8	147.6
Sep 23	146.2	140.9	147.1
Sep 24	146.4	145.9	146.8
Sep 25	146.4	145.4	146.8
Sep 26	146.4	145.9	147.2
Sep 27	146.2	145.7	146.8
Sep 28	146.1	145.7	146.7
Sep 29	145.9	145.5	146.6
Summary	146.6	145.9	147.2

Solid Waste Permit 588 Daily Wellhead Temperature
Averages for Well 100
 Bristol, Virginia

Date	Average (°F)	Minimum (°F)	Maximum (°F)
Sep 1	157.2	156.8	157.7
Sep 2	139.0	135.7	140.8
Sep 3	157.3	156.5	158.0
Sep 4	138.7	136.1	140.0
Sep 5	157.6	157.0	158.3
Sep 6	139.0	137.9	140.0
Sep 7	157.1	156.3	157.7
Sep 8	137.3	135.3	139.5
Sep 9	157.1	156.6	158.0
Sep 10	137.7	136.2	139.4
Sep 11	157.3	156.6	158.0
Sep 12	138.0	135.7	140.3
Sep 13	157.8	157.1	158.6
Sep 14	139.5	137.5	141.6
Sep 15	157.7	157.2	158.7
Sep 16	139.2	138.2	140.9
Sep 17	157.9	157.2	158.5
Sep 18	139.5	138.1	141.7
Sep 19	158.4	157.5	159.6
Sep 20	139.3	137.0	141.8
Sep 21	158.5	157.8	159.4
Sep 22	138.7	120.0	142.3
Sep 23	158.6	157.8	159.1
Sep 24	139.4	138.2	140.4
Sep 25	158.8	158.5	159.2
Sep 26	139.5	138.7	141.0
Sep 27	158.8	158.3	159.6
Sep 28	138.4	136.8	139.9
Sep 29	158.6	158.0	159.2
Summary	157.9	157.0	158.9

Appendix D

Solid Waste Permit 588 Daily Borehole Temperature Averages

Appendix D Table of Contents

Section	Page
Solid Waste Permit 588 Daily Borehole Temperature Averages for Borehole 1	D-3
Solid Waste Permit 588 Daily Borehole Temperature Averages for Borehole 5	D-4
Solid Waste Permit 588 Daily Borehole Temperature Averages for Borehole 6	D-5
Solid Waste Permit 588 Daily Borehole Temperature Averages for Borehole 7	D-6
Solid Waste Permit 588 Daily Borehole Temperature Averages for Borehole 8	D-7
Solid Waste Permit 588 Daily Borehole Temperature Averages for Borehole 9	D-8

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-Sep	165.3	223.2	223.7	235.2	247.3	263.7
2-Sep	165.3	223.3	223.6	235.4	247.3	263.7
3-Sep	165.0	223.0	223.4	235.3	247.2	263.5
4-Sep	165.1	223.0	223.4	235.5	247.3	263.6
5-Sep	165.2	223.3	223.7	235.7	247.5	263.8
6-Sep	165.3	223.3	223.8	235.8	247.6	263.8
7-Sep	164.8	223.2	223.7	236.0	247.3	263.6
8-Sep	164.9	223.0	223.6	236.3	247.2	263.5
9-Sep	164.9	222.9	223.7	236.7	247.4	263.6
10-Sep	165.0	223.1	223.7	236.8	247.4	263.6
11-Sep	164.7	223.2	223.7	237.1	247.5	263.6
12-Sep	165.0	223.3	223.9	237.4	247.6	263.7
13-Sep	165.3	223.5	223.9	237.7	247.8	263.7
14-Sep	165.4	223.5	224.0	237.7	247.9	263.8
15-Sep	165.1	223.4	223.9	237.6	247.8	263.8
16-Sep	165.2	223.5	223.8	237.8	247.8	263.8
17-Sep	165.3	223.5	223.9	237.7	247.7	263.7
18-Sep	165.5	223.6	224.0	237.7	247.9	263.8
19-Sep	165.7	223.7	224.0	237.7	247.8	263.8
20-Sep	165.7	223.8	224.0	237.8	247.9	263.8
21-Sep	165.7	223.8	224.0	238.0	247.8	263.8
22-Sep	165.8	223.9	224.1	238.1	248.0	263.9
23-Sep	165.7	223.9	224.0	237.8	247.9	263.8
24-Sep	165.5	223.7	223.9	237.8	247.9	263.7
25-Sep	166.0	223.8	223.9	238.0	248.0	263.8
26-Sep	165.9	223.7	224.0	238.1	248.0	263.8
27-Sep	165.7	223.6	223.8	237.9	248.0	263.7
28-Sep	165.5	223.6	223.8	237.9	248.0	263.7
29-Sep	165.5	223.6	223.8	237.8	248.1	263.7
30-Sep	165.7	223.6	223.8	237.4	248.1	263.6
Average	165.4	223.4	223.8	237.1	247.7	263.7

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-Sep	144.4	214.6	214.9	227.1	236.2	238.3	211.0	204.4
2-Sep	144.4	214.6	214.9	227.1	236.2	238.3	210.9	204.5
3-Sep	144.2	214.5	214.8	227.0	236.1	238.2	210.8	204.4
4-Sep	143.8	214.3	214.6	226.8	235.9	238.0	210.5	204.2
5-Sep	144.1	214.5	214.8	227.0	236.0	238.3	210.7	204.4
6-Sep	144.0	214.4	214.7	226.9	235.9	238.2	210.5	204.4
7-Sep	143.9	214.3	214.6	226.8	235.6	238.1	210.3	204.2
8-Sep	143.9	214.3	214.5	226.6	235.6	238.0	210.2	204.2
9-Sep	143.8	214.2	214.5	226.7	235.6	238.0	210.2	204.2
10-Sep	144.0	214.3	214.6	226.7	235.6	238.1	210.3	204.3
11-Sep	144.1	214.3	214.6	226.7	235.6	238.0	210.2	204.3
12-Sep	144.2	214.4	214.7	226.6	235.7	238.2	210.3	204.4
13-Sep	144.2	214.4	214.8	226.7	235.7	238.2	210.3	204.5
14-Sep	144.1	214.5	214.8	226.7	235.8	238.3	210.3	204.5
15-Sep	144.1	214.4	214.7	226.6	235.6	238.3	210.2	204.4
16-Sep	144.0	214.3	214.7	226.5	235.6	238.1	210.1	204.3
17-Sep	144.0	214.3	214.6	226.5	235.6	238.2	210.1	204.4
18-Sep	144.1	214.4	214.7	226.4	235.5	238.2	210.2	204.5
19-Sep	144.2	214.5	214.7	226.4	235.5	238.3	210.1	204.5
20-Sep	144.2	214.5	214.8	226.4	235.4	238.3	210.2	204.5
21-Sep	144.2	214.5	214.8	226.5	235.2	238.3	210.1	204.5
22-Sep	144.2	214.6	214.9	226.5	235.2	238.3	210.1	204.6
23-Sep	144.1	214.5	214.9	226.5	235.0	238.2	210.1	204.4
24-Sep	144.1	214.4	214.7	226.4	234.9	238.0	209.9	204.3
25-Sep	144.0	214.4	214.7	226.4	235.0	237.9	210.0	204.4
26-Sep	144.1	214.5	214.9	226.3	235.2	237.8	210.1	204.5
27-Sep	143.9	214.2	214.5	226.0	235.0	237.5	209.8	204.2
28-Sep	148.7	212.7	212.7	226.0	235.1	237.7	210.0	204.4
29-Sep	179.4	211.4	211.4	225.8	235.0	237.5	209.9	204.2
30-Sep	182.2	210.9	210.8	225.9	235.0	237.5	209.8	204.2
Average	146.7	214.1	214.4	226.6	235.5	238.1	210.2	204.4

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-Sep	207.6	194.6	*	194.4	194.4
2-Sep	207.3	194.4	*	194.2	194.3
3-Sep	207.0	194.5	*	194.4	194.4
4-Sep	206.7	193.3	*	193.2	193.2
5-Sep	207.1	194.2	*	194.0	193.9
6-Sep	206.8	194.8	*	194.4	194.4
7-Sep	206.2	194.8	*	194.4	194.5
8-Sep	205.7	194.2	*	194.0	194.1
9-Sep	205.5	194.3	*	194.1	194.1
10-Sep	205.5	194.4	*	194.3	194.2
11-Sep	205.5	194.8	*	194.7	194.7
12-Sep	205.6	196.1	*	195.9	196.0
13-Sep	205.7	195.4	*	195.2	195.3
14-Sep	205.6	195.8	*	195.7	195.7
15-Sep	205.7	194.9	*	194.8	194.8
16-Sep	206.0	194.8	*	194.8	194.7
17-Sep	205.8	194.5	*	194.5	194.5
18-Sep	206.1	194.0	*	194.0	194.0
19-Sep	206.1	194.9	*	194.9	194.9
20-Sep	206.2	193.7	*	193.7	193.6
21-Sep	206.3	193.8	*	193.8	193.8
22-Sep	206.3	193.9	*	194.0	194.0
23-Sep	206.0	193.8	*	193.8	193.9
24-Sep	205.7	193.6	*	193.3	193.4
25-Sep	205.6	193.6	*	193.4	193.4
26-Sep	205.5	193.6	*	193.4	193.5
27-Sep	205.4	193.3	*	193.2	193.2
28-Sep	205.8	193.8	*	193.7	193.8
29-Sep	205.6	194.2	*	194.1	194.2
30-Sep	204.7	194.1	*	193.8	194.0
Average	206.0	194.3	N/A	194.2	194.2

* Indicates sensor reading issues

Solid Waste Permit 588 Daily Borehole Temperature Averages for Borehole 7

Date	Depth from Surface							
	25 ft	50 ft	75 ft	100 ft	125 ft	150 ft	175 ft	200 ft
1-Sep	142.2	192.0	205.8	195.7	193.1	197.1	202.0	207.3
2-Sep	142.4	192.2	205.8	195.7	193.1	197.3	201.9	212.6
3-Sep	142.2	191.8	205.5	195.3	192.6	196.6	202.0	206.9
4-Sep	142.3	191.5	205.3	195.1	192.4	196.3	202.0	205.8
5-Sep	142.7	191.8	205.8	195.5	192.9	196.7	202.9	205.6
6-Sep	142.6	191.8	205.4	195.4	192.8	196.4	202.6	205.6
7-Sep	142.7	191.7	205.5	195.4	192.7	196.6	202.6	205.7
8-Sep	142.7	191.5	205.8	195.4	192.5	196.8	202.8	206.1
9-Sep	142.5	191.2	205.9	195.3	192.2	196.5	202.8	206.5
10-Sep	142.7	191.4	205.8	195.4	192.4	196.1	203.0	206.2
11-Sep	142.7	191.8	205.5	195.4	192.6	196.1	202.8	206.3
12-Sep	142.8	192.1	205.5	195.7	192.8	196.4	202.8	206.6
13-Sep	142.9	192.3	205.4	195.7	193.1	196.4	202.7	206.7
14-Sep	142.8	192.3	205.4	195.6	193.0	196.1	202.6	206.2
15-Sep	142.9	192.4	205.6	195.6	192.9	196.1	202.6	206.6
16-Sep	142.9	192.4	205.3	195.5	192.8	196.2	202.7	206.9
17-Sep	142.9	192.6	205.3	195.5	192.7	196.2	202.6	206.7
18-Sep	143.0	192.3	205.5	195.5	192.9	196.2	202.9	207.1
19-Sep	143.1	192.1	205.4	195.6	193.1	196.3	202.7	207.4
20-Sep	143.0	192.5	205.4	195.6	193.2	196.4	202.5	206.2
21-Sep	143.2	192.7	205.4	195.8	193.4	196.6	202.6	205.8
22-Sep	143.1	192.1	205.5	195.7	193.1	196.5	202.5	205.9
23-Sep	143.1	192.2	205.8	195.8	193.1	196.5	202.4	205.7
24-Sep	142.9	191.8	205.3	195.5	192.9	196.3	201.5	205.4
25-Sep	143.0	191.5	205.2	195.4	192.8	196.2	201.6	205.3
26-Sep	143.1	191.9	205.0	195.5	192.8	196.1	201.4	205.2
27-Sep	143.1	191.5	204.9	195.2	192.6	195.7	200.9	205.0
28-Sep	143.2	191.6	205.3	195.5	192.9	196.2	201.4	205.4
29-Sep	143.1	191.9	205.1	195.5	192.9	196.1	201.2	205.7
30-Sep	143.1	191.9	205.1	195.4	192.8	196.1	201.3	205.7
Average	142.8	191.9	205.4	195.5	192.8	196.4	202.3	206.3

Solid Waste Permit 588 Daily Borehole Temperature Averages for Borehole 8

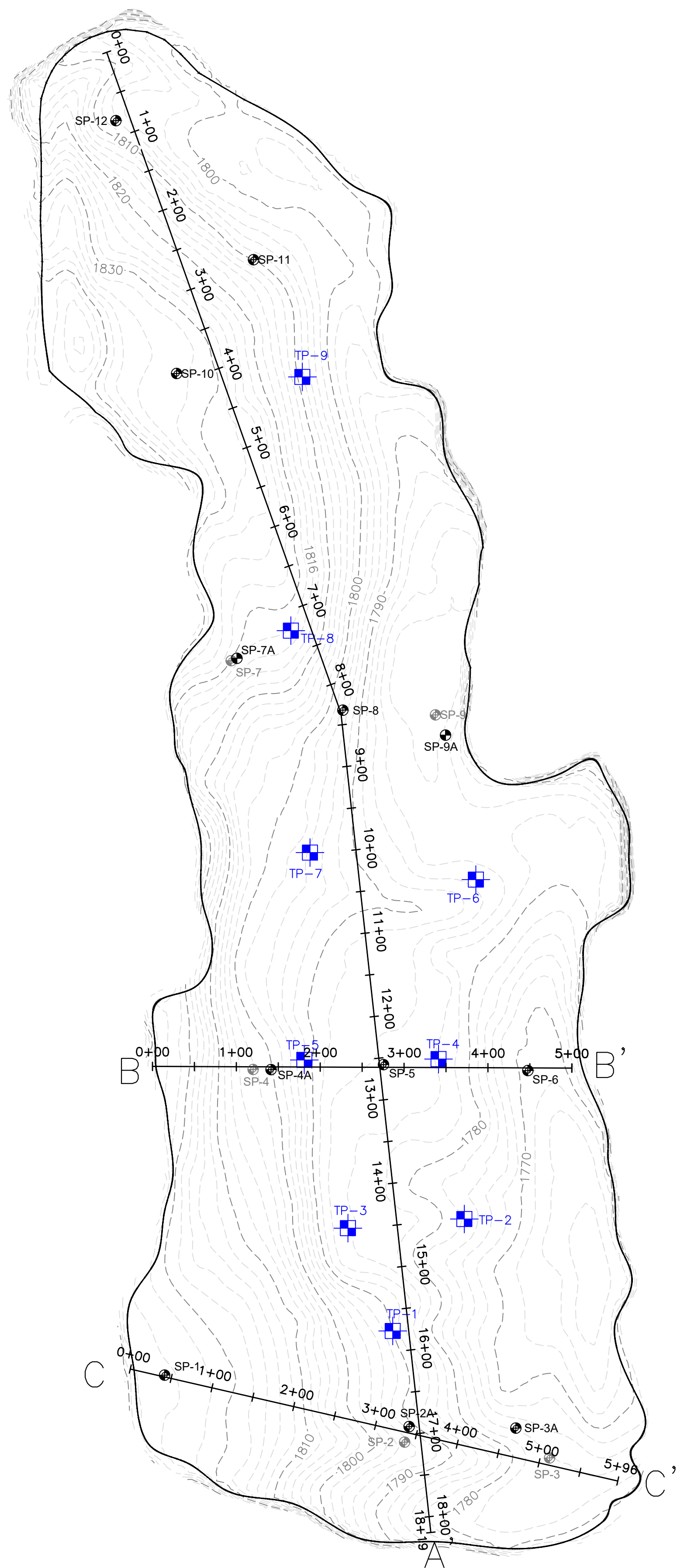
Date	Depth from Surface							
	25 ft	50 ft	75 ft	100 ft	125 ft	150 ft	175 ft	200 ft
1-Sep	186.8	193.4	193.7	196.1	199.2	199.4	188.2	171.4
2-Sep	187.1	193.4	193.7	196.0	199.2	199.4	188.2	171.3
3-Sep	187.0	193.3	193.6	196.0	199.2	199.4	188.3	171.4
4-Sep	186.6	193.2	193.5	195.8	199.0	199.3	188.0	171.2
5-Sep	186.0	193.4	193.7	196.0	199.1	199.5	188.2	171.4
6-Sep	185.0	193.4	193.7	196.0	199.2	199.4	188.2	171.4
7-Sep	184.3	193.3	193.5	196.0	199.1	199.3	188.0	171.2
8-Sep	185.2	193.3	193.5	196.0	199.1	199.3	187.9	171.1
9-Sep	186.2	193.3	193.6	196.0	199.1	199.3	187.8	171.1
10-Sep	185.9	193.3	193.6	196.0	199.2	199.3	187.8	171.1
11-Sep	186.3	193.3	193.6	196.0	199.2	199.4	187.9	171.1
12-Sep	187.5	193.4	193.7	196.1	199.3	199.4	188.0	171.2
13-Sep	187.8	193.5	193.8	196.1	199.3	199.5	188.1	171.3
14-Sep	187.8	193.5	193.7	196.1	199.3	199.5	188.1	171.3
15-Sep	186.8	193.5	193.8	196.2	199.4	199.5	188.1	171.3
16-Sep	186.3	193.5	193.7	196.2	199.3	199.5	188.0	171.2
17-Sep	186.9	193.4	193.6	196.0	199.2	199.3	187.9	171.0
18-Sep	186.9	193.5	193.8	196.2	199.4	199.6	188.1	171.3
19-Sep	186.4	193.5	193.8	196.2	199.4	199.5	188.1	171.3
20-Sep	186.5	193.6	193.8	196.2	199.4	199.5	188.1	171.2
21-Sep	186.6	193.6	193.8	196.2	199.4	199.6	188.1	171.3
22-Sep	187.2	193.6	193.9	196.3	199.5	199.6	188.1	171.3
23-Sep	186.6	193.6	193.8	196.2	199.4	199.6	188.1	171.3
24-Sep	186.5	193.4	193.6	196.0	199.2	199.4	187.9	171.0
25-Sep	186.8	193.4	193.7	196.0	199.3	199.5	188.0	171.2
26-Sep	186.8	193.5	193.7	196.0	199.3	199.5	188.0	171.2
27-Sep	186.7	193.4	193.6	196.0	199.2	199.4	188.0	171.2
28-Sep	186.4	193.5	193.8	196.2	199.3	199.5	188.0	171.3
29-Sep	186.9	193.5	193.7	196.1	199.3	199.3	187.8	171.0
30-Sep	187.1	193.4	193.7	196.1	199.3	199.4	187.9	171.1
Average	186.6	193.4	193.7	196.1	199.3	199.4	188.0	171.2

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-Sep	109.9	149.6	149.2	149.0	144.2	131.4	116.4	105.8
2-Sep	109.7	149.5	149.1	149.0	144.1	131.5	116.3	105.7
3-Sep	109.5	149.3	148.9	148.9	143.9	131.3	116.1	105.4
4-Sep	109.3	149.2	148.8	148.8	143.8	131.2	116.1	105.4
5-Sep	109.8	149.6	149.2	149.0	144.1	131.4	116.3	105.6
6-Sep	108.9	149.5	149.0	148.9	144.0	131.5	116.3	105.6
7-Sep	108.7	149.3	148.9	148.9	143.9	131.4	116.3	105.6
8-Sep	109.4	149.3	148.9	148.6	143.8	131.1	116.1	105.4
9-Sep	109.6	149.4	149.1	148.6	143.8	131.1	116.2	105.4
10-Sep	109.7	149.3	149.0	148.6	143.8	131.3	116.1	105.3
11-Sep	109.9	149.6	149.2	148.8	143.9	131.3	116.3	105.4
12-Sep	110.0	149.7	149.3	148.8	144.0	131.3	116.3	105.4
13-Sep	110.0	149.7	149.4	148.9	144.0	131.4	116.4	105.5
14-Sep	109.8	149.7	149.3	148.9	144.1	131.5	116.4	105.4
15-Sep	110.1	149.7	149.4	148.9	144.1	131.4	116.4	105.4
16-Sep	110.0	149.7	149.3	148.8	144.0	131.3	116.3	105.4
17-Sep	110.0	149.7	149.3	148.9	144.0	131.5	116.4	105.4
18-Sep	110.3	149.9	149.6	149.0	144.2	131.6	116.5	105.5
19-Sep	110.3	150.0	149.6	149.0	144.3	131.6	116.5	105.7
20-Sep	110.3	150.0	149.6	149.0	144.3	131.5	116.5	105.7
21-Sep	110.2	150.0	149.6	149.0	144.3	131.5	116.5	105.6
22-Sep	110.4	150.0	149.6	149.0	144.2	131.4	116.5	105.6
23-Sep	109.0	149.6	149.2	149.0	144.1	131.3	116.4	105.6
24-Sep	110.1	149.7	149.3	148.7	144.0	131.1	116.3	105.4
25-Sep	110.5	149.8	149.5	148.8	144.0	131.2	116.4	105.5
26-Sep	110.8	150.0	149.6	149.0	144.2	131.4	116.6	105.7
27-Sep	110.6	149.8	149.5	148.7	144.1	131.1	116.3	105.5
28-Sep	110.9	150.1	149.7	148.8	144.2	131.2	116.4	105.6
29-Sep	110.8	150.1	149.7	148.7	144.1	131.2	116.4	105.6
30-Sep	110.7	149.9	149.5	148.6	144.0	131.0	116.3	105.4
Average	110.0	149.7	149.3	148.9	144.1	131.3	116.3	105.5

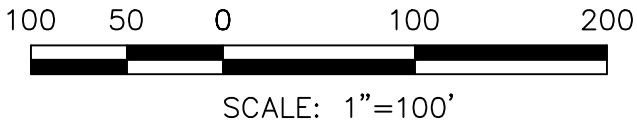
Appendix E

Monthly Topography Analysis

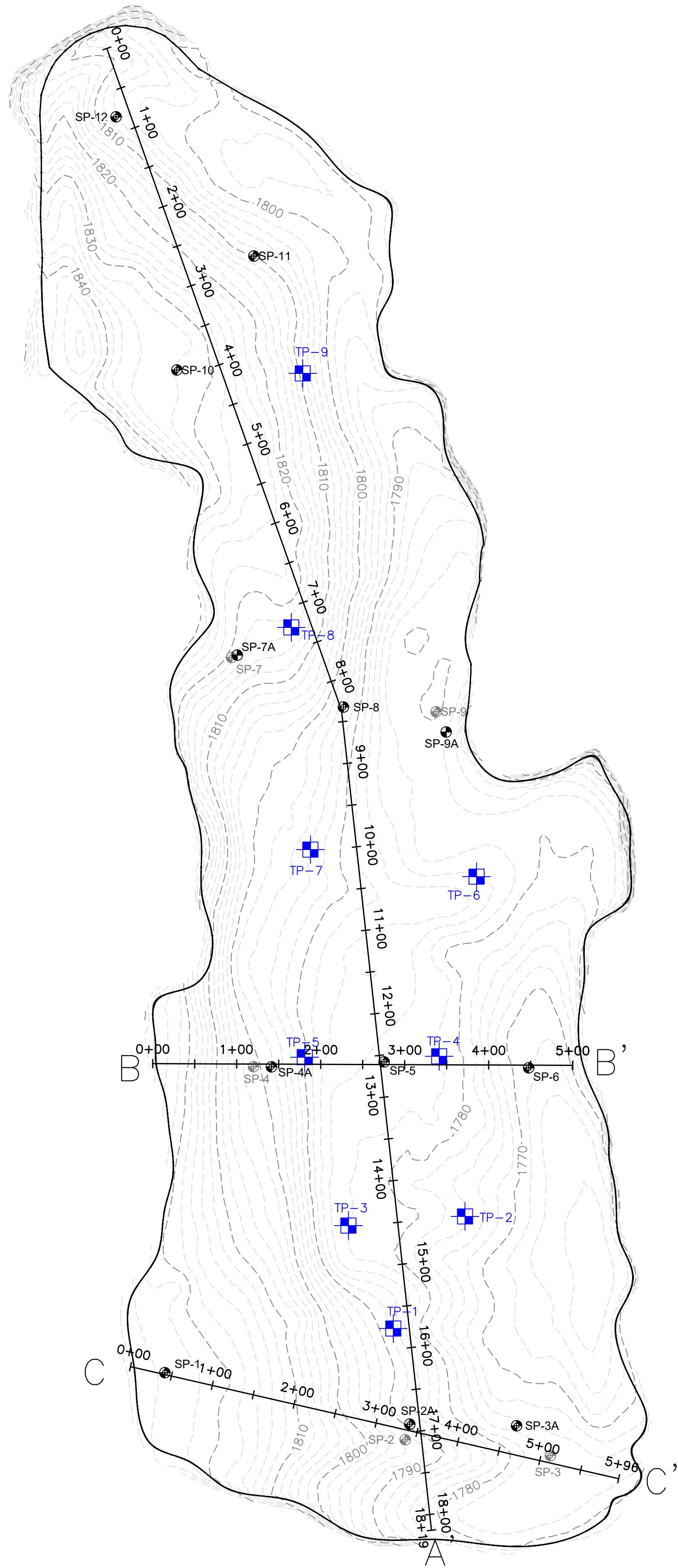


- LEGEND
- MAJOR CONTOURS (EVERY 10')
 - MINOR CONTOURS (EVERY 2')
 - APPROXIMATE SIDEWALL LOCATION
 - SP-8 SETTLEMENT PLATE
 - SP-9 DECOMMISSIONED SETTLEMENT PLATE
 - TP-3 TEMPERATURE MONITORING PROBE

- NOTES:
- GRADES SHOWN AS CONTOUR LINES ONLY WITHIN THE PERMIT 588 BOUNDARY REPRESENT THE TOPOGRAPHY CAPTURED ON SEPTEMBER 23, 2024 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.

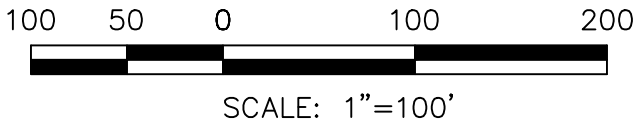


CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY		CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY		CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY	
2655 VALLEY DRIVE		2655 VALLEY DRIVE		2655 VALLEY DRIVE	
BRISTOL, VIRGINIA 24201		BRISTOL, VIRGINIA 24201		BRISTOL, VIRGINIA 24201	
MONTHLY TOPOGRAPHY ANALYSIS		MONTHLY TOPOGRAPHY ANALYSIS		MONTHLY TOPOGRAPHY ANALYSIS	
SOLID WASTE PERMIT #588		SOLID WASTE PERMIT #588		SOLID WASTE PERMIT #588	
PROJECT TITLE		PROJECT TITLE		PROJECT TITLE	
SHEET TITLE		SHEET TITLE		SHEET TITLE	
SEPTEMBER 2024		SEPTEMBER 2024		SEPTEMBER 2024	
LANDFILL TOPOGRAPHY		LANDFILL TOPOGRAPHY		LANDFILL TOPOGRAPHY	
NO.		NO.		NO.	
REVISION		REVISION		REVISION	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	

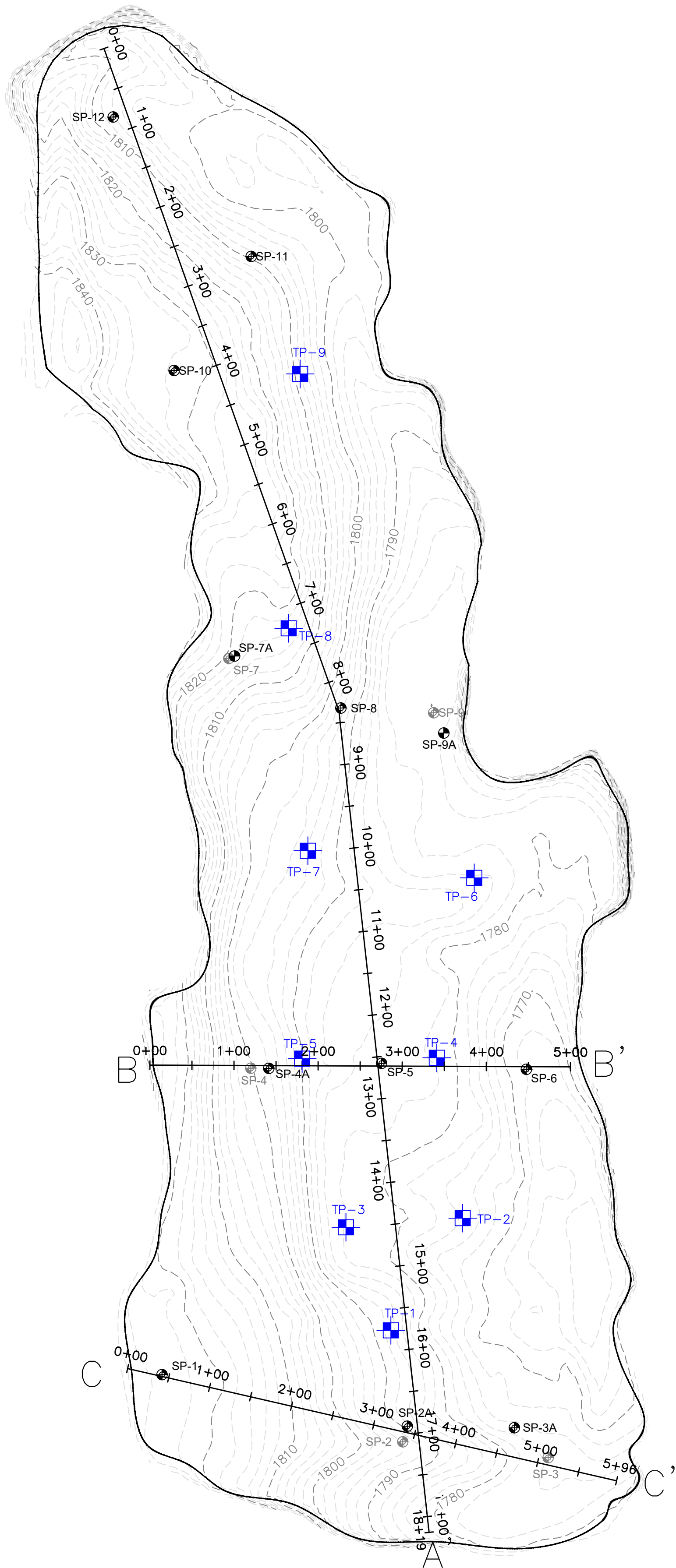


- LEGEND**
- MAJOR CONTOURS (EVERY 10')
 - MINOR CONTOURS (EVERY 2')
 - APPROXIMATE SIDEWALL LOCATION
 - SP-8 SETTLEMENT PLATE
 - SP-9 DECOMMISSIONED SETTLEMENT PLATE
 - TP-3 TEMPERATURE MONITORING PROBE

- NOTES:**
- GRADES SHOWN AS CONTOUR LINES ONLY WITHIN THE PERMIT 588 BOUNDARY REPRESENT THE TOPOGRAPHY CAPTURED ON JUNE 12, 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.

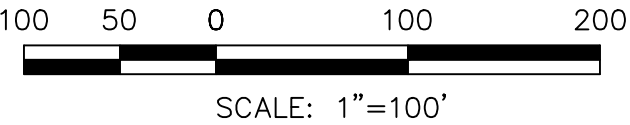


CLIENT		CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY		JUNE 2025		NO.		REVISION		DATE	
SCS ENGINEERS		STEARNs, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC.		LANDFILL TOPOGRAPHY		△					
18521 MIDLOTHIAN TPK. - MIDLOTHIAN, VA 23113		2655 VALLEY DRIVE		PROJECT TITLE		△					
PH. (804) 378-7440 FAX. (804) 378-7433		BRISTOL, VIRGINIA 24201		MONTHLY TOPOGRAPHY ANALYSIS		△					
CADD FILE: SURF COMP		Q/A RW BY: C.J.W		SOLID WASTE PERMIT #588		△					
DATE: 10/1/2025		DWN. BY: MM				△					
SCALE:		02218208.05				△					
DRAWING NO.		SRB				△					
2		CHK. BY:		CJW		△					
8		APP. BY:		CJW		△					

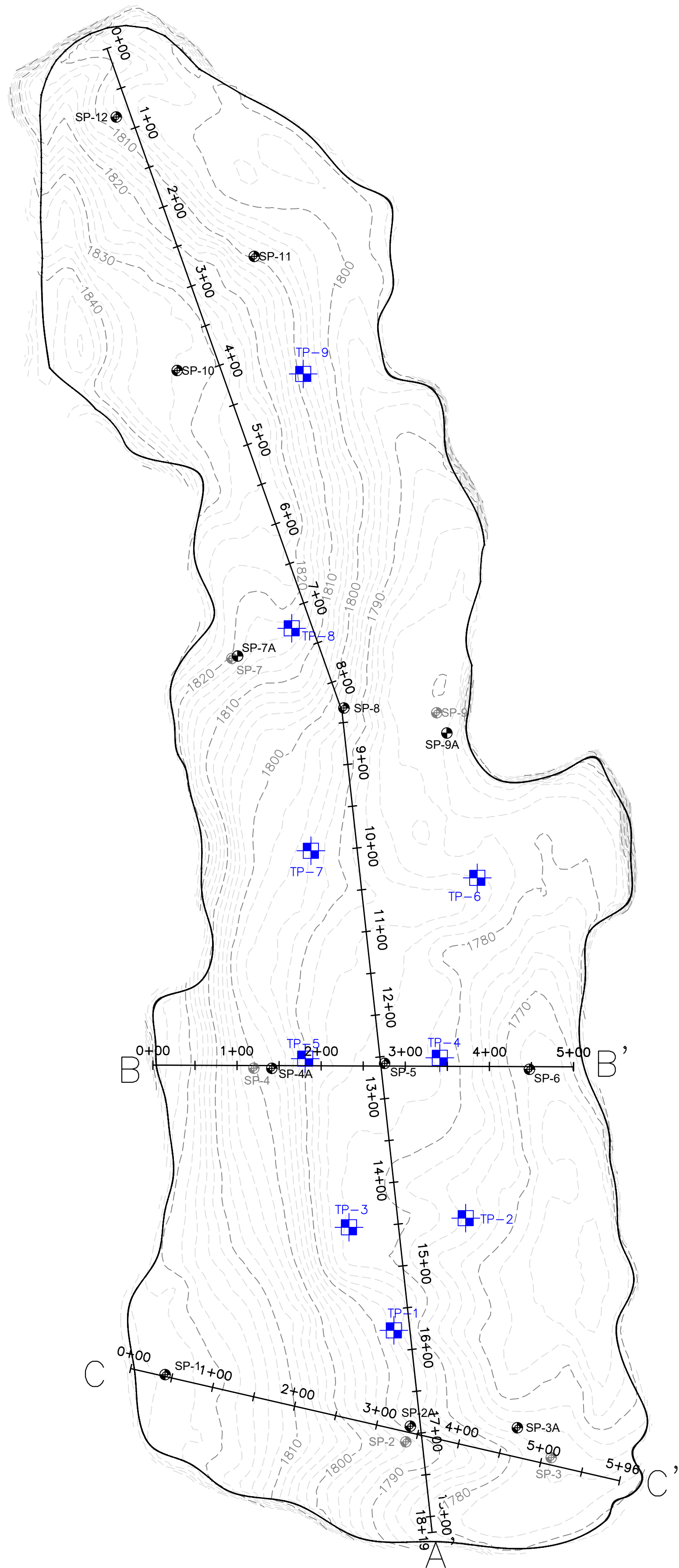


- LEGEND
- MAJOR CONTOURS (EVERY 10')
 - MINOR CONTOURS (EVERY 2')
 - APPROXIMATE SIDEWALL LOCATION
 - SP-8 SETTLEMENT PLATE
 - SP-9 DECOMMISSIONED SETTLEMENT PLATE
 - TP-3 TEMPERATURE MONITORING PROBE

- NOTES:
- GRADES SHOWN AS CONTOUR LINES ONLY WITHIN THE PERMIT 588 BOUNDARY REPRESENT THE TOPOGRAPHY CAPTURED ON AUGUST 21, 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.



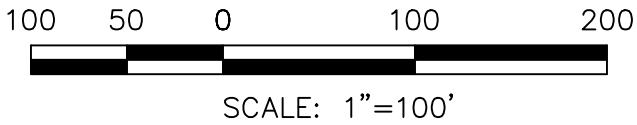
SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC. 15521 MIDLOTHIAN TPK - MIDLOTHIAN, VA 23113 PH. (804) 378-7440 FAX. (804) 378-7433		CADD FILE: SURF COMP		DATE: 10/1/2025		SCALE:		DRAWING NO.			
		PROJECT NO. 022418208.05		DWN. BY: MM		Q/A R/W BY: C/JW		ISSN. BY:			
		CHK. BY:		APP. BY:		C/JW		C/JW			
CLIENT CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY 2655 VALLEY DRIVE BRISTOL, VIRGINIA 24201		SHEET TITLE AUGUST 2025 LANDFILL TOPOGRAPHY		PROJECT TITLE MONTHLY TOPOGRAPHY ANALYSIS SOLID WASTE PERMIT #588		NO.		REVISION		DATE	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△		△		△		△	
		△		△							



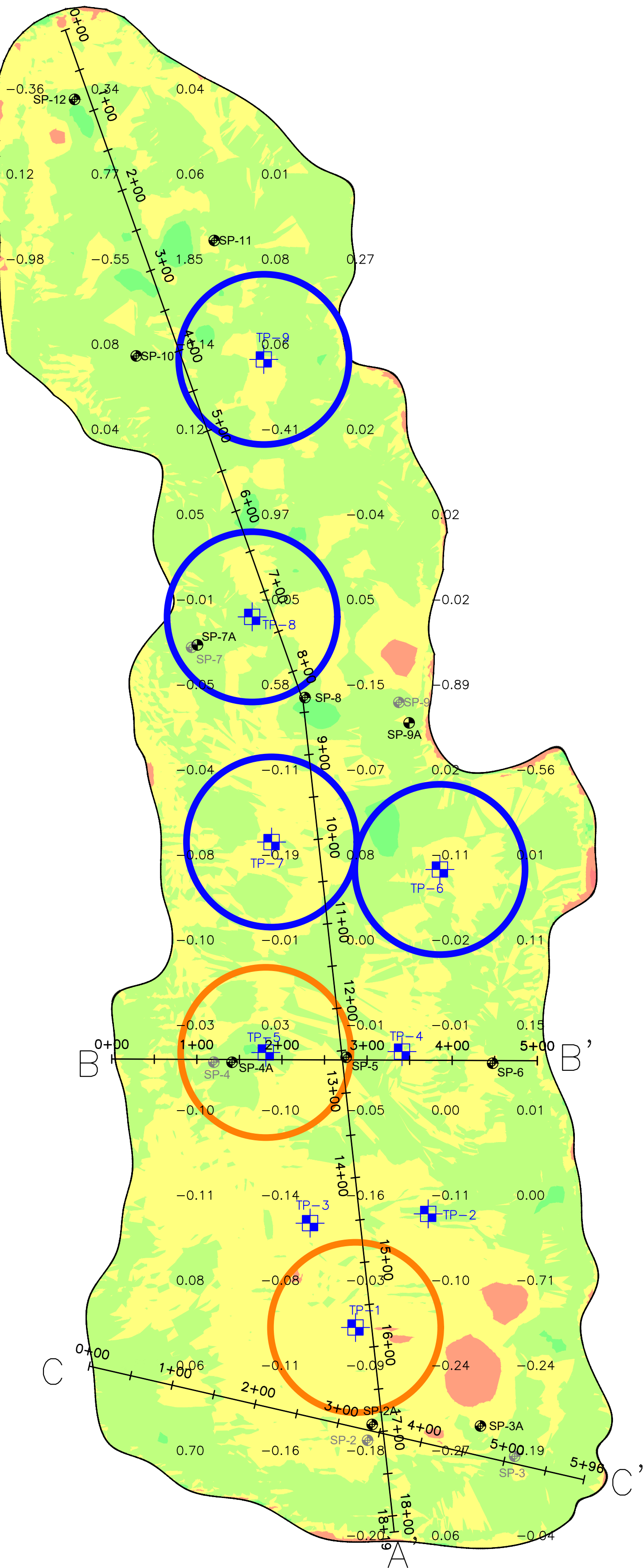
- LEGEND**
- MAJOR CONTOURS (EVERY 10')
 - MINOR CONTOURS (EVERY 2')
 - APPROXIMATE SIDEWALL LOCATION
 - SETTLEMENT PLATE
 - DECOMMISSIONED SETTLEMENT PLATE
 - TEMPERATURE MONITORING PROBE

NOTES:

- GRADES SHOWN AS CONTOUR LINES ONLY WITHIN THE PERMIT 588 BOUNDARY REPRESENT THE TOPOGRAPHY CAPTURED ON SEPTEMBER 11, 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.



4	DRAWING NO.	SCALE:	DATE: 10/1/2025	CADD FILE: SURF COMP	SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC. 1523 MIDLOTHIAN TPK, MIDLOTHIAN, VA 23113 PH: (804) 378-7440 FAX: (804) 378-7433					CLIENT CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY 2655 VALLEY DRIVE BRISTOL, VIRGINIA 24201	SHEET TITLE SEPTEMBER 2025 LANDFILL TOPOGRAPHY		NO.	REVISION	DATE
					PROJECT TITLE MONTHLY TOPOGRAPHY ANALYSIS SOLID WASTE PERMIT #588										
				PROJ. NO. 220208.05		DRAWN BY: C.J.W.	CHECK BY: C.J.W.								
				DATE: 10/1/2025		DATE: 10/1/2025	DATE: 10/1/2025								



LEGEND

MAJOR CONTOURS (EVERY 10')

MINOR CONTOURS (EVERY 2')

APPROXIMATE WASTE BOUNDARY

SP-8

SETTLEMENT PLATE

SP-9

DECOMMISSIONED SETTLEMENT PLATE

-0.39

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

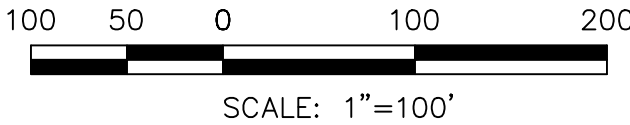
Volume

Base Surface	TOPO	-	August 21, 2025
Comparison Surface	TOPO	-	September 11, 2025

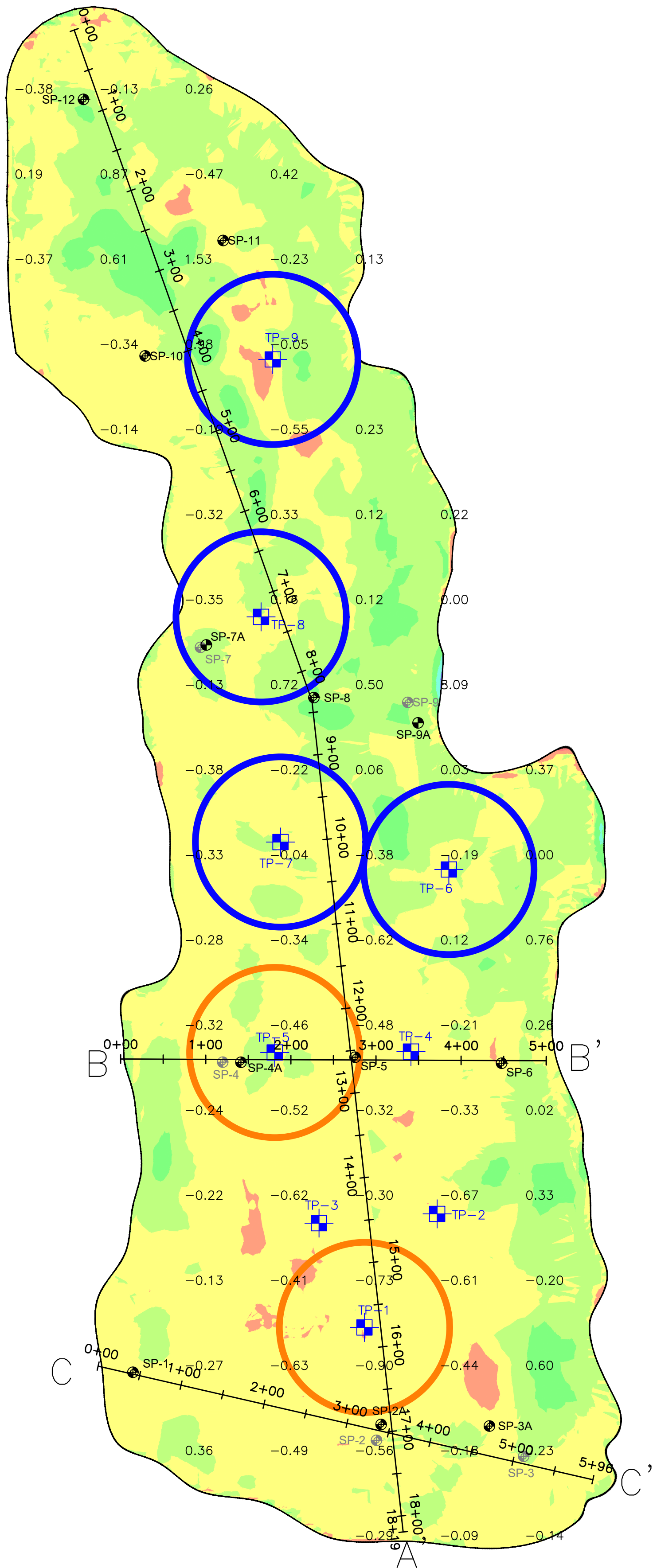
Cut Volume	2,757	Cu. Yd.
Fill Volume	2,753	Cu. Yd.
Net Cut	4	Cu. Yd.

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 AUGUST 21, 2025 AND SEPTEMBER 11, 2025 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 IS BASED UPON NAVD-88.



SHEET TITLE	SEPTEMBER VOLUME CHANGE				
	AUGUST 2025 TO SEPTEMBER 2025				
	PROJECT TITLE				
	MONTHLY TOPOGRAPHY ANALYSIS SOLID WASTE PERMIT #588				
CLIENT	CITY OF BRISTOL INTEGRATED SOLID				
	WASTE MANAGEMENT FACILITY				
	2655 VALLEY DRIVE				
	BRISTOL, VIRGINIA 24201				
SCS ENGINEERS	STEARNs, CONRAD AND SCHMIDT				
	CONSULTING ENGINEERS, INC.				
	1523 MIDLOTHIAN TPK - MIDLOTHIAN, VA 23113				
	PH: (804) 378-7440 FAX: (804) 378-7433				
PROJ. NO.	2208.05	DRAWN BY	MAN	CHECK BY	CJW
DATE	08/05	DATE	08/05	DATE	08/05
CADD FILE:					
SURF COMP					
DATE:					
10/1/2025					
SCALE:					
DRAWING NO.					
5					
8					



LEGEND

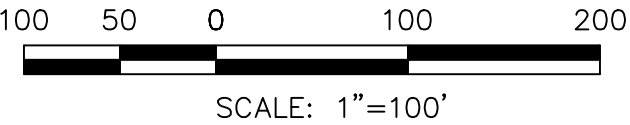
- MAJOR CONTOURS (EVERY 10')
- MINOR CONTOURS (EVERY 2')
- APPROXIMATE WASTE BOUNDARY
- SP-8 SETTLEMENT PLATE
- SP-9 DECOMMISSIONED SETTLEMENT PLATE
- SPOT ELEVATION ON 100' GRID
- TP-8 TEMPERATURE MONITORING PROBE WITH AVERAGE TEMPERATURES AT DEPTH LESS THAN 200 °F
- TP-1 TEMPERATURE MONITORING PROBE 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 - June 12, 2025	
Comparison Surface	TOPO - September 11, 2025	
Cut Volume	6,540	Cu. Yd.
Fill Volume	4,879	Cu. Yd.
Net Cut	1,751	Cu. Yd.

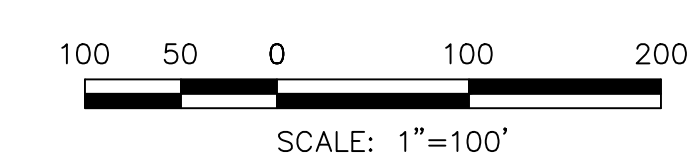
Elevations Table			
Number	Minimum Elevation	Maximum Elevation	Color
1	-20.000	-10.000	
2	-10.000	-5.000	
3	-5.000	-1.000	
4	-1.000	0.000	
5	0.000	1.000	
6	1.000	5.000	
7	5.000	10.000	
8	10.000	20.000	

NOTES:

- THE ELEVATION CHANGES ARE CALCULATED BETWEEN THE AERIAL TOPOGRAPHY DATA CAPTURED ON JUNE 12, 2025 AND SEPTEMBER 11, 2025 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 IS BASED UPON NAVD-88.



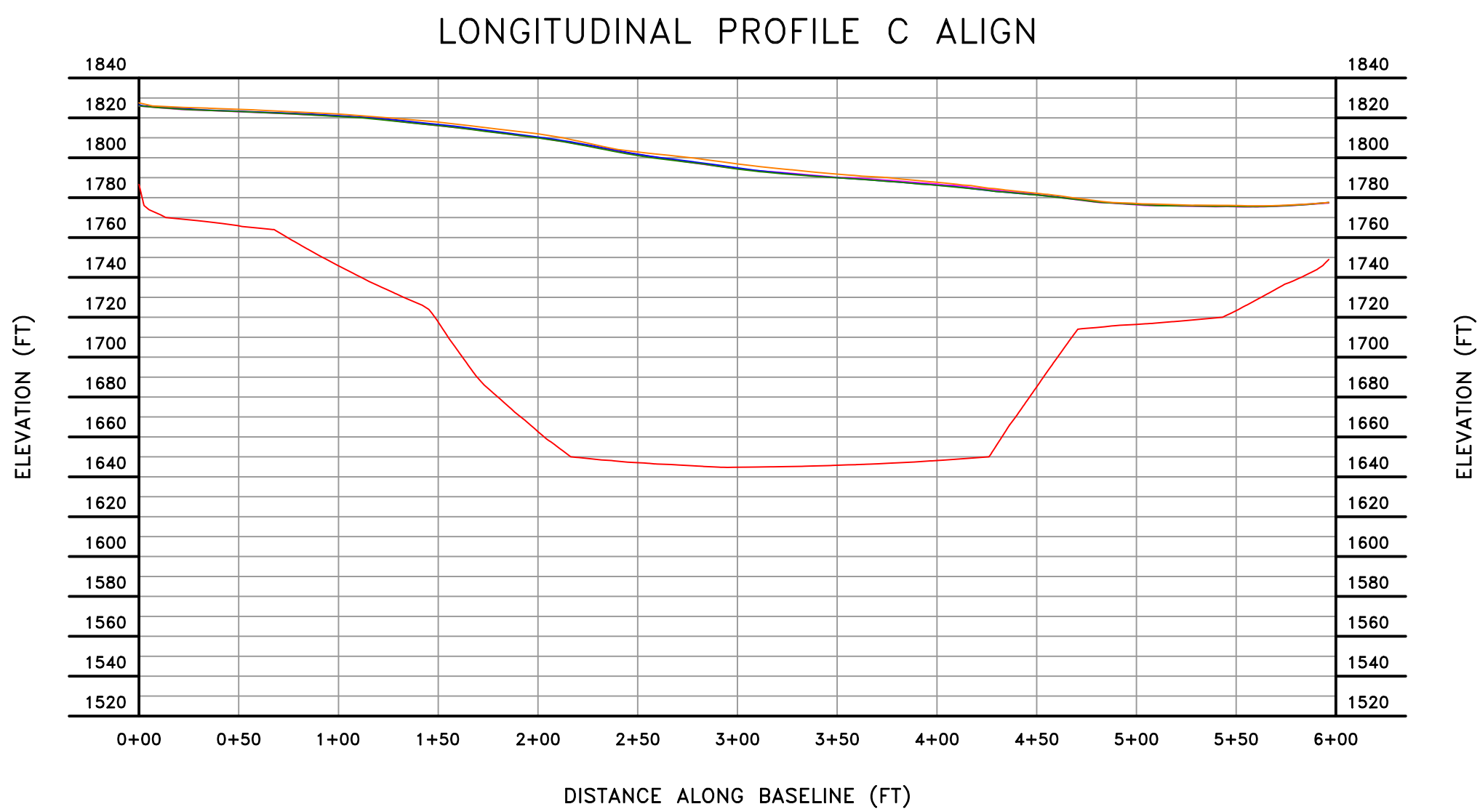
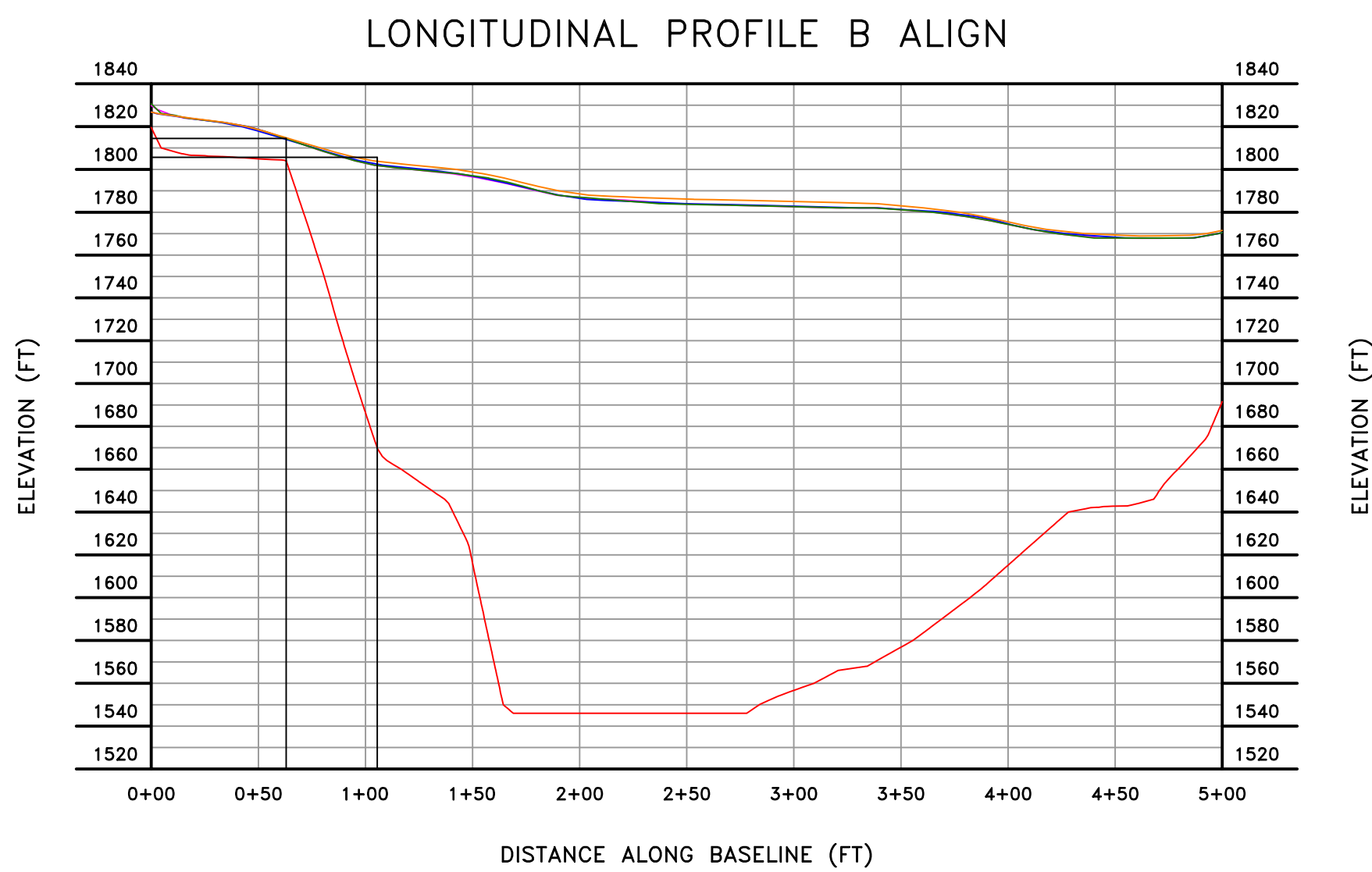
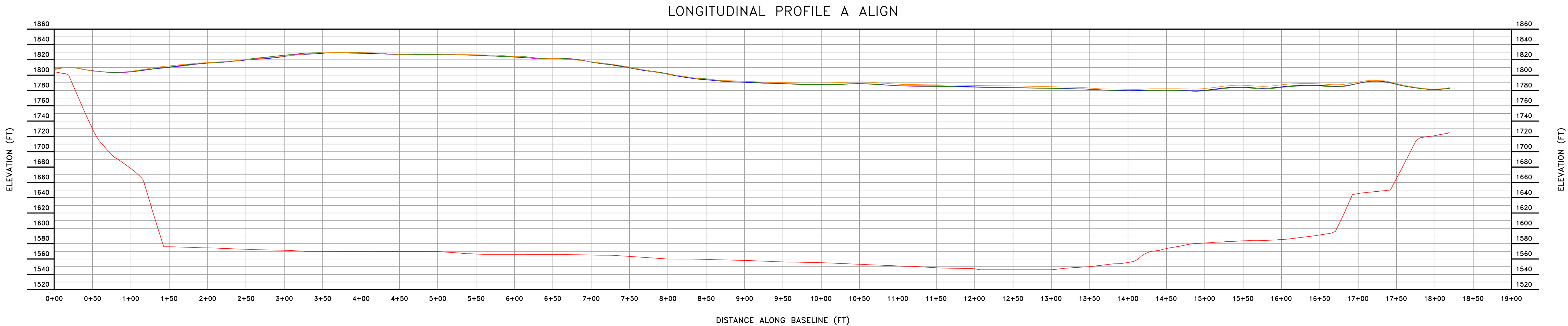
SHEET TITLE	SEPTEMBER VOLUME CHANGE		NO.	REVISION	DATE			
	JUNE 2025 TO SEPTEMBER 2025							
	PROJECT TITLE							
	MONTHLY TOPOGRAPHY ANALYSIS SOLID WASTE PERMIT #588							
CLIENT	CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY							
	2655 VALLEY DRIVE							
	BRISTOL, VIRGINIA 24201							
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: 10/1/2025							
	SCALE:							
	DRAWING NO.							
PROJ. NO. 2208.05 DATE: 08/20/25 DRA. BY: C.J.W. CHK. BY: C.J.W. APP. BY: C.J.W. O/A RW BY: C.J.W.	6							
	8							



- | | | |
|--------------------|--------|--------------------|
| Volume | | |
| Base Surface | TOPO | September 23, 2024 |
| Comparison Surface | TOPO | September 11, 2025 |
| Cut Volume | 31,471 | Cu. Yd. |
| Fill Volume | 2,122 | Cu. Yd. |
| Net Cut | 29,349 | Cu. Yd. |

NOTES:

1. THE ELEVATION CHANGES ARE CALCULATED BETWEEN THE AERIAL TOPOGRAPHY DATA CAPTURED ON SEPTEMBER 23, 2024 AND SEPTEMBER 11, 2025 BY SCS ENGINEERS. POSITIVE VALUES (+) INDICATE AREAS OF FILL AND NEGATIVE VALUES (-) INDICATE AREAS OF CUT (SETTLEMENT). VALUES ARE ROUNDED TO THE NEAREST FOOT
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 FOR FLOOD PLAIN DETERMINATION.
3. THE HORIZONTAL DATUM IS STATE PLANE VIRGINIA SOUTH ZONE NAD-83 (2011)
4. THE VERTICAL DATUM(S) IS BASED UPON NAVD-88.



- LEGEND**
- BOTTOM LINER ELEVATION
 - SEPTEMBER 2024 TOPO
 - JUNE 2025 TOPO
 - AUGUST 2025 TOPO
 - SEPTEMBER 2025 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		DRAWING NO. 8	
PROJ. NO.: 2208.05	DATE: 10/1/2025	DATE: 10/1/2025	DATE: 10/1/2025	DATE: 10/1/2025	DATE: 10/1/2025
CHK. BY: C.J.W.	APP. BY: C.J.W.	CHK. BY: C.J.W.	APP. BY: C.J.W.	CHK. BY: C.J.W.	APP. BY: C.J.W.
CLIENT CITY OF BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY 2655 VALLEY DRIVE BRISTOL, VIRGINIA 24201		SHEET TITLE PROFILES		PROJECT TITLE MONTHLY TOPOGRAPHY ANALYSIS SOLID WASTE PERMIT #588	
NO.		REVISION		DATE	
1		1		10/1/2025	
2		2		10/1/2025	
3		3		10/1/2025	
4		4		10/1/2025	
5		5		10/1/2025	
6		6		10/1/2025	

Appendix F
Field Logs
Lab Report
Historical LFG-EW Leachate Monitoring Results Summary

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

Date	9/23-25/25													
SCS Personnel	Field Personnel:		L. Nelson & C. Kirby				Checked By:		L. Howard and J. Robb					
Location ID	Date	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-50	9/24/2025	4.95	55.12	---	1664385.00	---	77.70	83	22.58	Y	90.00	Y	Y	Air on
EW-53	9/23/2025	4.72	39.97	39.6	3294540	3294540	100.70	77	60.73	Y	0	N	Y	Air off
EW-55	9/23/2025	4.59	41.52	42.52	73387	73387	90.40	90	48.88	Y	0	N	Y	Air Disconneted
EW-59	9/23/2025	3.41	38.62	40.15	3684734	3684552	73.40	61	34.78	Y	115	N	Y	Air on
EW-60	9/24/2025	4.52	55.22	41.86	334022	299167	81.80	72.5	26.58	Y	95	Y	Y	Air on
EW-61	9/24/2025	3.41	70.02	73.91	189001	181617	87.80	75	17.78	Y	100	N	Y	
EW-62	9/24/2025	4.41	82.23	83.8	---	---	110.60	91.5	28.37	Y	0	N	Y	Air off
EW-65	9/24/2025	3.08	47.64	49.32	148348	13496	88.40	70	40.76	Y	120	N	Y	Air on
EW-68	9/24/2025	2.15	42.81	44.88	266211	2662104	73.57	60	30.76	Y	115	N	Y	
EW-78	9/24/2025	3.81	44.8	46.04	235152	185303	57.00	47	12.20	Y	95	N	Y	
EW-82	9/24/2025	4.40	121.5	118.37	650289	631268	163.26	145	41.76	Y	0	N	Y	
EW-83	9/24/2025	4.83	84.22	82.97	2269	2265	167.04	145	82.82	Y	0	N	Y	
EW-85	9/24/2025	4.90	53.74	60.18	351154	347869	91.00	78	37.26	Y	100	N	Y	Air on
EW-87	9/24/2025	5.48	47.5	69.53	340749	340749	149.57	110	102.07	Y	0	N	Y	Air Disconneted
EW-96	9/23/2025	8.00	---	---	---	---	164.35	145	#VALUE!	Y	0	N	Y	Too Tall
EW-98	9/24/2025	4.31	55.51	46.11	2627153	2497452	51.00	46	-4.51	Y	100	N	Y	

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

Date	9/23-25/25													
SCS Personnel	Field Personnel:		L. Nelson & C. Kirby				Checked By:		L. Howard and J. Robb					
Location ID	Date	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-49	9/24/2025	2.86	66.92	---	---	---	96.15	87	29.23	N	---	N	Y	
EW-54	9/23/2025	3.41	35.67	37	---	---	82.70	65	47.03	N	---	N	Y	
EW-56	9/23/2025	3.70	37.68	38.05	---	---	42.71	---	5.03	N	---	N	Y	
EW-67	9/23/2025	2.76	41.04	41.05	---	---	107.75	76	66.71	N	---	N	Y	
EW-69	9/24/2025	4.62	92.5	93.18	--	--	98.00	---	5.50	N	---	N	Y	
EW-70	9/24/2025	1.85	64	64.07	---	---	71.00	58	7.00	N	---	N	Y	
EW-73	9/24/2025	3.87	106.17	105.68	---	---	116.00	---	9.83	N	---	N	Y	
EW-80	9/24/2025	3.36	136.86	136.93	---	---	149.00	---	12.14	N	---	N	Y	
EW-84	9/24/2025	4.09	---	78.24	---	---	130.56	---	#VALUE!	N	---	N	Y	Obstruction at 101'
EW-86	9/24/2025	3.43	---	---	---	---	153.00	---	#VALUE!	N	---	N	Y	Obstruction at 88.8'
EW-88	9/24/2025	3.18	58.2	---	---	---	100.00	61	41.80	N	---	N	Y	
EW-91	9/24/2025	5.27	48.11	48.07	---	---	137.70	---	89.59	N	---	N	Y	
EW-92	9/24/2025	7.94	---	54.01	---	---	112.99	---	#VALUE!	N	---	N	Y	Too Tall
EW-95	9/23/2025	3.92	58.32	57.13	---	---	68.00	---	9.68	N	---	N	Y	
EW-97	9/23/2025	9.92	---	---	---	---	144.50	---	#VALUE!	N	---	N	Y	Too Tall
EW-99	9/23/2025	3.85	59.68	59.2	---	---	65.00	---	5.32	N	---	N	Y	

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

Date	9/23-25/25													
SCS Personnel	Field Personnel:		L. Nelson & C. Kirby				Checked By:		L. Howard and J. Robb					
Location ID	Date	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														
EW-36A ¹	9/24/2025	1.72	---	---	459999	459999	180.00	135	---	Y	0	N	Y	
EW-52 ²	9/24/2025	3.39	---	---	1239786	1239706	98.70	80	---	Y	0	N	Y	Air Disconneted
EW-66 ²	9/23/2025	2.90	---	---	39057	39055	---	---	---	Y	100	N	Y	Air On
EW-76 ²	9/24/2025	8.63	---	---	---	---	127.00	108	---	N	---	N	Y	
EW-81 ¹	9/24/2025	5.10	---	106.08	---	---	151.56	125	45.48	Y	0	N	Y	No Cylce Counter
EW-89 ¹	9/24/2025	4.46	68.2	65.16	511705	471935	84.57	70	19.41	Y	90	N	Y	
EW-93 ²	9/24/2025	4.27	---	---	1409960	1409960	111.00	---	---	Y	0	N	Y	Air Disconneted
EW-94 ¹	9/23/2025	3.60	---	---	1900357	1814445	50.00	38	---	Y	100	N	Y	
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

--- = not applicable or available

CO = Carbon monoxide

ft = feet

LEL = Lower Explosive Limit

O2 = Oxygen

ppm = parts per million

SSO = Subsurface oxygen event

VOC = Total Volatile Organic Compounds

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.

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-50	9/24/2025	9:30	50.60	7.86	19.52	0.27	-153.20	0.00	Black
EW-60	9/24/2025	9:00	69.20	5.55	39.20	0.36	-20.40	0.00	Black
SCS Personnel		Sampler:	L. Nelson & C.Kirby			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 25H2532

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

Date Received: August 29, 2025 8:00
Date Issued: September 15, 2025 18:16
Project Number: 02218208.15 Task 5
Purchase Order:

Submitted To: Jennifer Robb

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

Enclosed are the results of analyses for samples received by the laboratory on 08/29/2025 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: 9/15/2025 6:16:40PM

Laboratory Sample ID: 25H2532-01

Client Sample ID: EW-98

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	01	SW6010D	0.178		0.0018	0.0200	1	mg/L
Barium	01	SW6010D	0.444		0.0005	0.0100	1	mg/L
Cadmium	01	SW6010D	0.0010	J	0.0002	0.0040	1	mg/L
Chromium	01	SW6010D	0.0578		0.0004	0.0100	1	mg/L
Copper	01	SW6010D	0.0049	J	0.0017	0.0100	1	mg/L
Lead	01	SW6010D	0.0142		0.0018	0.0100	1	mg/L
Mercury	01	SW6020B	1.39	J	0.271	2.00	10	ug/L
Nickel	01	SW6010D	0.0393		0.0005	0.0100	1	mg/L
Silver	01	SW6010D	0.0008	J	0.0004	0.0100	1	mg/L
Zinc	01RE1	SW6010D	0.0318		0.0064	0.0200	2	mg/L
2-Butanone (MEK)	01RE1	SW8260D	47400		1500	5000	500	ug/L
Acetone	01RE1	SW8260D	89600		3500	5000	500	ug/L
Benzene	01	SW8260D	1300		20.0	50.0	50	ug/L
Ethylbenzene	01	SW8260D	230		20.0	50.0	50	ug/L
Tetrahydrofuran	01	SW8260D	16800		500	500	50	ug/L
Toluene	01	SW8260D	131		25.0	50.0	50	ug/L
Xylenes, Total	01	SW8260D	458		50.0	150	50	ug/L
Acetic Acid	01	D3705	678		71.4	500	1000	mg/L
Butyric Acid	01RE1	D3705	338		7.0	50.0	100	mg/L
Formic Acid	01RE2	D3705	67.2		0.6	5.0	10	mg/L
i-Pentanoic Acid	01RE1	D3705	93.4		10.2	50.0	100	mg/L
n-Hexanoic Acid	01RE2	D3705	57.7		0.6	5.0	10	mg/L
n-Pentanoic Acid	01RE2	D3705	68.7		0.6	5.0	10	mg/L
Propionic Acid	01	D3705	696		57.3	500	1000	mg/L
Pyruvic Acid	01RE2	D3705	61.3		0.9	5.0	10	mg/L
Ammonia as N	01	EPA350.1 R2.0	778		120	200	2000	mg/L
BOD	01	SM5210B-2016	5650		0.2	2.0	1	mg/L

Analysis Detects Report

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

Date Issued: 9/15/2025 6:16:40PM

Laboratory Sample ID: 25H2532-01

Client Sample ID: EW-98

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
COD	01	SM5220D-2011	9760		630	1000	100	mg/L
TKN as N	01	EPA351.2 R2.0	1090		45.9	50.0	1	mg/L
Total Recoverable Phenolics	01	SW9065	11.5		1.54	2.50	1	mg/L

Analysis Detects Report

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

Date Issued: 9/15/2025 6:16:40PM

Laboratory Sample ID: 25H2532-02

Client Sample ID: EW-89

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	02	SW6010D	0.206		0.0018	0.0200	1	mg/L
Barium	02	SW6010D	3.07		0.0005	0.0100	1	mg/L
Cadmium	02	SW6010D	0.0183		0.0002	0.0040	1	mg/L
Chromium	02	SW6010D	0.303		0.0004	0.0100	1	mg/L
Lead	02	SW6010D	0.0870		0.0018	0.0100	1	mg/L
Mercury	02	SW6020B	2.34		0.271	2.00	10	ug/L
Nickel	02	SW6010D	0.0925		0.0005	0.0100	1	mg/L
Zinc	02RE1	SW6010D	2.92		0.0096	0.0300	3	mg/L
2-Butanone (MEK)	02	SW8260D	6680		150	500	50	ug/L
Acetone	02RE1	SW8260D	36000		3500	5000	500	ug/L
Benzene	02	SW8260D	112		20.0	50.0	50	ug/L
Tetrahydrofuran	02	SW8260D	2430		500	500	50	ug/L
Acetic Acid	02	D3705	8500		71.4	500	1000	mg/L
Butyric Acid	02	D3705	2200		70.3	500	1000	mg/L
Formic Acid	02	D3705	2600		64.5	500	1000	mg/L
i-Pentanoic Acid	02RE1	D3705	263		20.4	100	200	mg/L
Lactic Acid	02	D3705	1100		55.7	500	1000	mg/L
n-Hexanoic Acid	02RE1	D3705	450		12.1	100	200	mg/L
n-Pentanoic Acid	02RE1	D3705	327		11.2	100	200	mg/L
Propionic Acid	02	D3705	3140		57.3	500	1000	mg/L
Pyruvic Acid	02RE1	D3705	93.9	J	17.8	100	200	mg/L
Ammonia as N	02	EPA350.1 R2.0	1660		120	200	2000	mg/L
BOD	02	SM5210B-2016	>38599.6		0.2	2.0	1	mg/L
COD	02	SM5220D-2011	62700		6300	10000	1000	mg/L
TKN as N	02	EPA351.2 R2.0	2740		45.9	50.0	1	mg/L
Total Recoverable Phenolics	02	SW9065	71.6		1.54	2.50	1	mg/L

Analysis Detects Report

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

Date Issued: 9/15/2025 6:16:40PM

Laboratory Sample ID: 25H2532-03

Client Sample ID: Trip Blank

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Acetone	03	SW8260D	15.9		7.00	10.0	1	ug/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: 9/15/2025 6:16:40PM

Work Order: 25H2532

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EW-98	25H2532-01	Ground Water	08/28/2025 09:40	08/29/2025 08:00
EW-89	25H2532-02	Ground Water	08/28/2025 10:13	08/29/2025 08:00
Trip Blank	25H2532-03	Ground Water	05/01/2025 11:00	08/29/2025 08:00

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Client Sample ID: EW-98

Laboratory Sample ID: 25H2532-01

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	09/02/2025 17:00	09/03/2025 13:52	0.0008	J	0.0004	0.0100	1	mg/L	NBT
Arsenic	01	7440-38-2	SW6010D	09/02/2025 17:00	09/03/2025 13:52	0.178		0.0018	0.0200	1	mg/L	NBT
Barium	01	7440-39-3	SW6010D	09/02/2025 17:00	09/03/2025 13:52	0.444		0.0005	0.0100	1	mg/L	NBT
Cadmium	01	7440-43-9	SW6010D	09/02/2025 17:00	09/03/2025 13:52	0.0010	J	0.0002	0.0040	1	mg/L	NBT
Chromium	01	7440-47-3	SW6010D	09/02/2025 17:00	09/03/2025 13:52	0.0578		0.0004	0.0100	1	mg/L	NBT
Copper	01	7440-50-8	SW6010D	09/02/2025 17:00	09/03/2025 13:52	0.0049	J	0.0017	0.0100	1	mg/L	NBT
Mercury	01	7439-97-6	SW6020B	09/02/2025 17:00	09/04/2025 13:53	1.39	J	0.271	2.00	10	ug/L	AB
Nickel	01	7440-02-0	SW6010D	09/02/2025 17:00	09/03/2025 13:52	0.0393		0.0005	0.0100	1	mg/L	NBT
Lead	01	7439-92-1	SW6010D	09/02/2025 17:00	09/03/2025 13:52	0.0142		0.0018	0.0100	1	mg/L	NBT
Selenium	01	7782-49-2	SW6010D	09/02/2025 17:00	09/03/2025 13:52	BLOD		0.0069	0.0500	1	mg/L	NBT
Zinc	01RE1	7440-66-6	SW6010D	09/02/2025 17:00	09/03/2025 14:56	0.0318		0.0064	0.0200	2	mg/L	NBT

Volatile Organic Compounds by GCMS

2-Butanone (MEK)	01RE1	78-93-3	SW8260D	09/04/2025 16:40	09/04/2025 16:40	47400		1500	5000	500	ug/L	TLH
Acetone	01RE1	67-64-1	SW8260D	09/04/2025 16:40	09/04/2025 16:40	89600		3500	5000	500	ug/L	TLH
Benzene	01	71-43-2	SW8260D	09/02/2025 00:00	09/02/2025 17:49	1300		20.0	50.0	50	ug/L	TLH
Ethylbenzene	01	100-41-4	SW8260D	09/02/2025 00:00	09/02/2025 17:49	230		20.0	50.0	50	ug/L	TLH
Toluene	01	108-88-3	SW8260D	09/02/2025 00:00	09/02/2025 17:49	131		25.0	50.0	50	ug/L	TLH
Xylenes, Total	01	1330-20-7	SW8260D	09/02/2025 00:00	09/02/2025 17:49	458		50.0	150	50	ug/L	TLH
Tetrahydrofuran	01	109-99-9	SW8260D	09/02/2025 00:00	09/02/2025 17:49	16800		500	500	50	ug/L	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	01	113 %	70-120	09/02/2025 00:00	09/02/2025 17:49							
Surr: 4-Bromofluorobenzene (Surr)	01	97.2 %	75-120	09/02/2025 00:00	09/02/2025 17:49							
Surr: Dibromofluoromethane (Surr)	01	110 %	70-130	09/02/2025 00:00	09/02/2025 17:49							
Surr: Toluene-d8 (Surr)	01	103 %	70-130	09/02/2025 00:00	09/02/2025 17:49							
Surr: 1,2-Dichloroethane-d4 (Surr)	01RE1	103 %	70-120	09/04/2025 16:40	09/04/2025 16:40							
Surr: 4-Bromofluorobenzene (Surr)	01RE1	100 %	75-120	09/04/2025 16:40	09/04/2025 16:40							

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Client Sample ID: EW-98

Laboratory Sample ID: 25H2532-01

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	107 %	70-130	09/04/2025 16:40	09/04/2025 16:40							
Surr: Toluene-d8 (Surr)	01RE1	99.8 %	70-130	09/04/2025 16:40	09/04/2025 16:40							
Semivolatile Organic Compounds by GCMS												
Anthracene	01	120-12-7	SW8270E	09/02/2025 08:00	09/02/2025 22:02	BLOD		100	200	10	ug/L	HLV
Surr: 2,4,6-Tribromophenol (Surr)	01	106 %	5-136	09/02/2025 08:00	09/02/2025 22:02							
Surr: 2-Fluorobiphenyl (Surr)	01	62.2 %	9-117	09/02/2025 08:00	09/02/2025 22:02							
Surr: 2-Fluorophenol (Surr)	01	33.7 %	5-60	09/02/2025 08:00	09/02/2025 22:02							
Surr: Nitrobenzene-d5 (Surr)	01	105 %	5-151	09/02/2025 08:00	09/02/2025 22:02							
Surr: Phenol-d5 (Surr)	01	1.90 %	5-60	09/02/2025 08:00	09/02/2025 22:02							DS
Surr: p-Terphenyl-d14 (Surr)	01	32.2 %	5-141	09/02/2025 08:00	09/02/2025 22:02							

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Client Sample ID: EW-98

Laboratory Sample ID: 25H2532-01

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	09/02/2025 15:51	09/02/2025 15:51	678		71.4	500	1000	mg/L	MGC
Butyric Acid	01RE1	107-92-6	D3705	09/02/2025 17:48	09/02/2025 17:48	338		7.0	50.0	100	mg/L	MGC
Formic Acid	01RE2	64-18-6	D3705	09/02/2025 18:17	09/02/2025 18:17	67.2		0.6	5.0	10	mg/L	MGC
n-Hexanoic Acid	01RE2	142-62-1	D3705	09/02/2025 18:17	09/02/2025 18:17	57.7		0.6	5.0	10	mg/L	MGC
i-Hexanoic Acid	01RE2	646-07-1	D3705	09/02/2025 18:17	09/02/2025 18:17	BLOD		0.5	5.0	10	mg/L	MGC
Lactic Acid	01RE2	50-21-5	D3705	09/02/2025 18:17	09/02/2025 18:17	BLOD		0.6	5.0	10	mg/L	MGC
n-Pentanoic Acid	01RE2	109-52-4	D3705	09/02/2025 18:17	09/02/2025 18:17	68.7		0.6	5.0	10	mg/L	MGC
i-Pentanoic Acid	01RE1	503-74-2	D3705	09/02/2025 17:48	09/02/2025 17:48	93.4		10.2	50.0	100	mg/L	MGC
Propionic Acid	01	79-09-4	D3705	09/02/2025 15:51	09/02/2025 15:51	696		57.3	500	1000	mg/L	MGC
Pyruvic Acid	01RE2	127-17-3	D3705	09/02/2025 18:17	09/02/2025 18:17	61.3		0.9	5.0	10	mg/L	MGC
Wet Chemistry Analysis												
Ammonia as N	01	7664-41-7	EPA350.1 R2.0	09/11/2025 15:45	09/11/2025 15:45	778		120	200	2000	mg/L	SPH
BOD	01	E1640606	SM5210B-20 16	08/29/2025 16:30	08/29/2025 16:30	5650		0.2	2.0	1	mg/L	CET
COD	01	NA	SM5220D-20 11	09/03/2025 15:11	09/03/2025 15:11	9760		630	1000	100	mg/L	WGW
Nitrate as N	01	14797-55-8	SM4500-NO 3F-2019CAL C	09/12/2025 10:00	09/12/2025 14:05	BLOD		0.255	1.00	10	mg/L	HJB
Nitrate+Nitrite as N	01	E701177	SM4500-NO 3F-2019	09/12/2025 10:00	09/12/2025 14:05	BLOD		0.14	0.20	10	mg/L	AAL
Nitrite as N	01	14797-65-0	SM4500-NO 2B-2021	08/29/2025 16:00	08/29/2025 16:00	BLOD		0.26	1.00	1	mg/L	HJB
Total Recoverable Phenolics	01	NA	SW9065	09/12/2025 16:15	09/12/2025 16:15	11.5		1.54	2.50	1	mg/L	SPH
TKN as N	01	E17148461	EPA351.2 R2.0	09/10/2025 16:36	09/11/2025 11:00	1090		45.9	50.0	1	mg/L	HJB

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Client Sample ID: EW-89

Laboratory Sample ID: 25H2532-02

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	09/02/2025 17:00	09/03/2025 13:55	BLOD		0.0004	0.0100	1	mg/L	NBT
Arsenic	02	7440-38-2	SW6010D	09/02/2025 17:00	09/03/2025 13:55	0.206		0.0018	0.0200	1	mg/L	NBT
Barium	02	7440-39-3	SW6010D	09/02/2025 17:00	09/03/2025 13:55	3.07		0.0005	0.0100	1	mg/L	NBT
Cadmium	02	7440-43-9	SW6010D	09/02/2025 17:00	09/03/2025 13:55	0.0183		0.0002	0.0040	1	mg/L	NBT
Chromium	02	7440-47-3	SW6010D	09/02/2025 17:00	09/03/2025 13:55	0.303		0.0004	0.0100	1	mg/L	NBT
Copper	02	7440-50-8	SW6010D	09/02/2025 17:00	09/03/2025 13:55	BLOD		0.0017	0.0100	1	mg/L	NBT
Mercury	02	7439-97-6	SW6020B	09/02/2025 17:00	09/04/2025 13:55	2.34		0.271	2.00	10	ug/L	AB
Nickel	02	7440-02-0	SW6010D	09/02/2025 17:00	09/03/2025 13:55	0.0925		0.0005	0.0100	1	mg/L	NBT
Lead	02	7439-92-1	SW6010D	09/02/2025 17:00	09/03/2025 13:55	0.0870		0.0018	0.0100	1	mg/L	NBT
Selenium	02	7782-49-2	SW6010D	09/02/2025 17:00	09/03/2025 13:55	BLOD		0.0069	0.0500	1	mg/L	NBT
Zinc	02RE1	7440-66-6	SW6010D	09/02/2025 17:00	09/03/2025 14:58	2.92		0.0096	0.0300	3	mg/L	NBT

Volatile Organic Compounds by GCMS

2-Butanone (MEK)	02	78-93-3	SW8260D	09/02/2025 00:00	09/02/2025 18:13	6680		150	500	50	ug/L	TLH
Acetone	02RE1	67-64-1	SW8260D	09/03/2025 20:41	09/03/2025 20:41	36000		3500	5000	500	ug/L	TLH
Benzene	02	71-43-2	SW8260D	09/02/2025 00:00	09/02/2025 18:13	112		20.0	50.0	50	ug/L	TLH
Ethylbenzene	02	100-41-4	SW8260D	09/02/2025 00:00	09/02/2025 18:13	BLOD		20.0	50.0	50	ug/L	TLH
Toluene	02	108-88-3	SW8260D	09/02/2025 00:00	09/02/2025 18:13	BLOD		25.0	50.0	50	ug/L	TLH
Xylenes, Total	02	1330-20-7	SW8260D	09/02/2025 00:00	09/02/2025 18:13	BLOD		50.0	150	50	ug/L	TLH
Tetrahydrofuran	02	109-99-9	SW8260D	09/02/2025 00:00	09/02/2025 18:13	2430		500	500	50	ug/L	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	02	113 %	70-120	09/02/2025 00:00	09/02/2025 18:13							
Surr: 4-Bromofluorobenzene (Surr)	02	97.9 %	75-120	09/02/2025 00:00	09/02/2025 18:13							
Surr: Dibromofluoromethane (Surr)	02	110 %	70-130	09/02/2025 00:00	09/02/2025 18:13							
Surr: Toluene-d8 (Surr)	02	98.6 %	70-130	09/02/2025 00:00	09/02/2025 18:13							
Surr: 1,2-Dichloroethane-d4 (Surr)	02RE1	101 %	70-120	09/03/2025 20:41	09/03/2025 20:41							

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Client Sample ID: EW-89

Laboratory Sample ID: 25H2532-02

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: 4-Bromofluorobenzene (Surr)	02RE1	104 %	75-120	09/03/2025 20:41	09/03/2025 20:41							
Surr: Dibromofluoromethane (Surr)	02RE1	99.5 %	70-130	09/03/2025 20:41	09/03/2025 20:41							
Surr: Toluene-d8 (Surr)	02RE1	102 %	70-130	09/03/2025 20:41	09/03/2025 20:41							
Semivolatile Organic Compounds by GCMS												
Anthracene	02	120-12-7	SW8270E	09/02/2025 08:00	09/02/2025 23:09	BLOD		400	800	20	ug/L	HLY
Surr: 2,4,6-Tribromophenol (Surr)	02	%	5-136	09/02/2025 08:00	09/02/2025 23:09							DS
Surr: 2-Fluorobiphenyl (Surr)	02	52.8 %	9-117	09/02/2025 08:00	09/02/2025 23:09							
Surr: 2-Fluorophenol (Surr)	02	42.0 %	5-60	09/02/2025 08:00	09/02/2025 23:09							
Surr: Nitrobenzene-d5 (Surr)	02	726 %	5-151	09/02/2025 08:00	09/02/2025 23:09							DS
Surr: Phenol-d5 (Surr)	02	14.0 %	5-60	09/02/2025 08:00	09/02/2025 23:09							
Surr: p-Terphenyl-d14 (Surr)	02	78.4 %	5-141	09/02/2025 08:00	09/02/2025 23:09							

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Client Sample ID: EW-89

Laboratory Sample ID: 25H2532-02

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	09/02/2025 18:46	09/02/2025 18:46	8500		71.4	500	1000	mg/L	MGC
Butyric Acid	02	107-92-6	D3705	09/02/2025 18:46	09/02/2025 18:46	2200		70.3	500	1000	mg/L	MGC
Formic Acid	02	64-18-6	D3705	09/02/2025 18:46	09/02/2025 18:46	2600		64.5	500	1000	mg/L	MGC
n-Hexanoic Acid	02RE1	142-62-1	D3705	09/02/2025 19:16	09/02/2025 19:16	450		12.1	100	200	mg/L	MGC
i-Hexanoic Acid	02RE1	646-07-1	D3705	09/02/2025 19:16	09/02/2025 19:16	BLOD		10.1	100	200	mg/L	MGC
Lactic Acid	02	50-21-5	D3705	09/02/2025 18:46	09/02/2025 18:46	1100		55.7	500	1000	mg/L	MGC
n-Pentanoic Acid	02RE1	109-52-4	D3705	09/02/2025 19:16	09/02/2025 19:16	327		11.2	100	200	mg/L	MGC
i-Pentanoic Acid	02RE1	503-74-2	D3705	09/02/2025 19:16	09/02/2025 19:16	263		20.4	100	200	mg/L	MGC
Propionic Acid	02	79-09-4	D3705	09/02/2025 18:46	09/02/2025 18:46	3140		57.3	500	1000	mg/L	MGC
Pyruvic Acid	02RE1	127-17-3	D3705	09/02/2025 19:16	09/02/2025 19:16	93.9	J	17.8	100	200	mg/L	MGC
Wet Chemistry Analysis												
Ammonia as N	02	7664-41-7	EPA350.1 R2.0	09/11/2025 15:45	09/11/2025 15:45	1660		120	200	2000	mg/L	SPH
BOD	02	E1640606	SM5210B-20 16	08/29/2025 16:39	08/29/2025 16:39	>38599.6		0.2	2.0	1	mg/L	CET
BOD	02	E1640606	SM5210B-20 16	08/29/2025 16:39	08/29/2025 16:39	>38599.6		0.2	2.0	1	mg/L	CET
COD	02	NA	SM5220D-20 11	09/03/2025 15:11	09/03/2025 15:11	62700		6300	10000	1000	mg/L	WGW
Nitrate as N	02	14797-55-8	SM4500-NO 3F-2019CAL C	09/12/2025 10:00	09/12/2025 15:28	BLOD		1.45	2.00	100	mg/L	AAL
Nitrate+Nitrite as N	02RE1	E701177	SM4500-NO 3F-2019	09/12/2025 10:00	09/12/2025 15:28	BLOD		1.45	2.00	100	mg/L	AAL
Nitrite as N	02	14797-65-0	SM4500-NO 2B-2021	08/29/2025 16:00	08/29/2025 16:00	BLOD		0.13	0.50	1	mg/L	HJB
Total Recoverable Phenolics	02	NA	SW9065	09/12/2025 16:15	09/12/2025 16:15	71.6		1.54	2.50	1	mg/L	SPH

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Client Sample ID: EW-89

Laboratory Sample ID: 25H2532-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Wet Chemistry Analysis												
TKN as N	02	E17148461	EPA351.2 R2.0	09/10/2025 16:36	09/11/2025 11:00	2740		45.9	50.0	1	mg/L	HJB

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Client Sample ID: Trip Blank

Laboratory Sample ID: 25H2532-03

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												
2-Butanone (MEK)	03	78-93-3	SW8260D	09/03/2025 16:01	09/03/2025 16:01	BLOD	C	3.00	10.0	1	ug/L	TLH
Acetone	03	67-64-1	SW8260D	09/03/2025 16:01	09/03/2025 16:01	15.9		7.00	10.0	1	ug/L	TLH
Benzene	03	71-43-2	SW8260D	09/03/2025 16:01	09/03/2025 16:01	BLOD		0.40	1.00	1	ug/L	TLH
Ethylbenzene	03	100-41-4	SW8260D	09/03/2025 16:01	09/03/2025 16:01	BLOD		0.40	1.00	1	ug/L	TLH
Toluene	03	108-88-3	SW8260D	09/03/2025 16:01	09/03/2025 16:01	BLOD		0.50	1.00	1	ug/L	TLH
Xylenes, Total	03	1330-20-7	SW8260D	09/03/2025 16:01	09/03/2025 16:01	BLOD		1.00	3.00	1	ug/L	TLH
Tetrahydrofuran	03	109-99-9	SW8260D	09/03/2025 16:01	09/03/2025 16:01	BLOD		10.0	10.0	1	ug/L	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	03	98.7 %	70-120	09/03/2025 16:01	09/03/2025 16:01							
Surr: 4-Bromofluorobenzene (Surr)	03	101 %	75-120	09/03/2025 16:01	09/03/2025 16:01							
Surr: Dibromofluoromethane (Surr)	03	98.1 %	70-130	09/03/2025 16:01	09/03/2025 16:01							
Surr: Toluene-d8 (Surr)	03	101 %	70-130	09/03/2025 16:01	09/03/2025 16:01							

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

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

Enthalpy Analytical

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

Batch BII0020 - SW3005A-ICP

Blank (BII0020-BLK1)

Prepared: 09/02/2025 Analyzed: 09/03/2025

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 (BII0020-BS1)

Prepared: 09/02/2025 Analyzed: 09/03/2025

Arsenic	0.496	0.0200	mg/L	0.500	99.3	80-120
Barium	0.508	0.0100	mg/L	0.500	102	80-120
Cadmium	0.498	0.0040	mg/L	0.500	99.6	80-120
Chromium	0.500	0.0100	mg/L	0.500	100	80-120
Copper	0.488	0.0100	mg/L	0.500	97.5	80-120
Lead	0.499	0.0100	mg/L	0.500	99.8	80-120
Nickel	0.4984	0.0100	mg/L	0.500	99.7	80-120
Selenium	0.500	0.0500	mg/L	0.500	100	80-120
Silver	0.0967	0.0100	mg/L	0.100	96.7	80-120
Zinc	0.498	0.0100	mg/L	0.500	99.5	80-120

Matrix Spike (BII0020-MS1)

Source: 25H2518-01

Prepared: 09/02/2025 Analyzed: 09/03/2025

Arsenic	0.514	0.0200	mg/L	0.500	BLOD	103	75-125
Barium	0.552	0.0100	mg/L	0.500	0.0464	101	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: 9/15/2025 6:16:40PM

Work Order: 25H2532

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

Enthalpy Analytical

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

Batch BII0020 - SW3005A-ICP

Matrix Spike (BII0020-MS1)

Source: 25H2518-01

Prepared: 09/02/2025 Analyzed: 09/03/2025

Cadmium	0.496	0.0040	mg/L	0.500	BLOD	99.2	75-125
Chromium	0.505	0.0100	mg/L	0.500	0.0007	101	75-125
Copper	0.508	0.0100	mg/L	0.500	BLOD	102	75-125
Lead	0.496	0.0100	mg/L	0.500	BLOD	99.2	75-125
Nickel	0.4970	0.0100	mg/L	0.500	0.0016	99.1	75-125
Selenium	0.507	0.0500	mg/L	0.500	BLOD	101	75-125
Silver	0.0972	0.0100	mg/L	0.100	BLOD	97.2	75-125
Zinc	0.483	0.0100	mg/L	0.500	BLOD	96.7	75-125

Matrix Spike Dup (BII0020-MSD1)

Source: 25H2518-01

Prepared: 09/02/2025 Analyzed: 09/03/2025

Arsenic	0.517	0.0200	mg/L	0.500	BLOD	103	75-125	0.677	20
Barium	0.553	0.0100	mg/L	0.500	0.0464	101	75-125	0.174	20
Cadmium	0.498	0.0040	mg/L	0.500	BLOD	99.6	75-125	0.425	20
Chromium	0.508	0.0100	mg/L	0.500	0.0007	101	75-125	0.603	20
Copper	0.512	0.0100	mg/L	0.500	BLOD	102	75-125	0.723	20
Lead	0.497	0.0100	mg/L	0.500	BLOD	99.5	75-125	0.265	20
Nickel	0.4994	0.0100	mg/L	0.500	0.0016	99.6	75-125	0.486	20
Selenium	0.512	0.0500	mg/L	0.500	BLOD	102	75-125	1.03	20
Silver	0.0979	0.0100	mg/L	0.100	BLOD	97.9	75-125	0.708	20
Zinc	0.482	0.0100	mg/L	0.500	BLOD	96.4	75-125	0.277	20

Batch BII0021 - SW3005A-ICPMS

Blank (BII0021-BLK1)

Prepared: 09/02/2025 Analyzed: 09/04/2025

Mercury	ND	0.200	ug/L
---------	----	-------	------

LCS (BII0021-BS1)

Prepared: 09/02/2025 Analyzed: 09/04/2025

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

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

Enthalpy Analytical

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

Batch BII0021 - SW3005A-ICPMS

LCS (BII0021-BS1)

Prepared: 09/02/2025 Analyzed: 09/04/2025

Mercury	0.985	0.200	ug/L	1.00		98.5	80-120			
---------	-------	-------	------	------	--	------	--------	--	--	--

Matrix Spike (BII0021-MS1)

Source: 25H2518-01

Prepared: 09/02/2025 Analyzed: 09/04/2025

Mercury	1.03	0.200	ug/L	1.00	BLOD	103	70-130			
---------	------	-------	------	------	------	-----	--------	--	--	--

Matrix Spike Dup (BII0021-MSD1)

Source: 25H2518-01

Prepared: 09/02/2025 Analyzed: 09/04/2025

Mercury	1.00	0.200	ug/L	1.00	BLOD	100	70-130	2.42	20	
---------	------	-------	------	------	------	-----	--------	------	----	--

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0062 - SW5030B-MS

Blank (BII0062-BLK1)

Prepared & Analyzed: 09/02/2025

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>56.1</i>		ug/L	<i>50.0</i>		<i>112</i>	<i>70-120</i>			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	<i>48.4</i>		ug/L	<i>50.0</i>		<i>96.8</i>	<i>75-120</i>			
<i>Surr: Dibromofluoromethane (Surr)</i>	<i>54.6</i>		ug/L	<i>50.0</i>		<i>109</i>	<i>70-130</i>			
<i>Surr: Toluene-d8 (Surr)</i>	<i>51.0</i>		ug/L	<i>50.0</i>		<i>102</i>	<i>70-130</i>			

LCS (BII0062-BS1)

Prepared & Analyzed: 09/02/2025

1,1,1,2-Tetrachloroethane	52.0		ug/L	50.0		104	80-130			
1,1,1-Trichloroethane	58.7		ug/L	50.0		117	65-130			
1,1,2,2-Tetrachloroethane	41.4		ug/L	50.0		82.8	65-130			
1,1,2-Trichloroethane	54.1		ug/L	50.0		108	75-125			
1,1-Dichloroethane	53.7		ug/L	50.0		107	70-135			
1,1-Dichloroethylene	52.3		ug/L	50.0		105	70-130			
1,1-Dichloropropene	55.9		ug/L	50.0		112	75-135			
1,2,3-Trichlorobenzene	50.9		ug/L	50.0		102	55-140			
1,2,3-Trichloropropane	47.4		ug/L	50.0		94.8	75-125			
1,2,4-Trichlorobenzene	52.1		ug/L	50.0		104	65-135			
1,2,4-Trimethylbenzene	56.9		ug/L	50.0		114	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	43.3		ug/L	50.0		86.5	50-130			
1,2-Dibromoethane (EDB)	49.9		ug/L	50.0		99.7	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: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BII0062 - SW5030B-MS										
LCS (BII0062-BS1)				Prepared & Analyzed: 09/02/2025						
1,2-Dichlorobenzene	52.2		ug/L	50.0		104	70-120			
1,2-Dichloroethane	46.9		ug/L	50.0		93.8	70-130			
1,2-Dichloropropane	53.6		ug/L	50.0		107	75-125			
1,3,5-Trimethylbenzene	56.4		ug/L	50.0		113	75-125			
1,3-Dichlorobenzene	52.4		ug/L	50.0		105	75-125			
1,3-Dichloropropane	54.4		ug/L	50.0		109	75-125			
1,4-Dichlorobenzene	52.2		ug/L	50.0		104	75-125			
2,2-Dichloropropane	56.6		ug/L	50.0		113	70-135			
2-Butanone (MEK)	2.63		ug/L	50.0		5.26	30-150			L
2-Chlorotoluene	51.7		ug/L	50.0		103	75-125			
2-Hexanone (MBK)	38.2		ug/L	50.0		76.3	55-130			
4-Chlorotoluene	51.7		ug/L	50.0		103	75-130			
4-Isopropyltoluene	56.8		ug/L	50.0		114	75-130			
4-Methyl-2-pentanone (MIBK)	39.4		ug/L	50.0		78.8	60-135			
Acetone	49.5		ug/L	50.0		99.0	40-140			
Benzene	54.4		ug/L	50.0		109	80-120			
Bromobenzene	50.0		ug/L	50.0		100	75-125			
Bromochloromethane	52.9		ug/L	50.0		106	65-130			
Bromodichloromethane	53.4		ug/L	50.0		107	75-120			
Bromoform	50.8		ug/L	50.0		102	70-130			
Bromomethane	57.1		ug/L	50.0		114	30-145			
Carbon disulfide	48.0		ug/L	50.0		96.0	35-160			
Carbon tetrachloride	54.0		ug/L	50.0		108	65-140			
Chlorobenzene	51.6		ug/L	50.0		103	80-120			
Chloroethane	57.3		ug/L	50.0		115	60-135			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0062 - SW5030B-MS

LCS (BII0062-BS1)

Prepared & Analyzed: 09/02/2025

Chloroform	52.8		ug/L	50.0		106	65-135			
Chloromethane	44.2		ug/L	50.0		88.5	40-125			
cis-1,2-Dichloroethylene	55.9		ug/L	50.0		112	70-125			
cis-1,3-Dichloropropene	54.6		ug/L	50.0		109	70-130			
Dibromochloromethane	52.1		ug/L	50.0		104	60-135			
Dibromomethane	48.5		ug/L	50.0		97.0	75-125			
Dichlorodifluoromethane	58.7		ug/L	50.0		117	30-155			
Ethylbenzene	53.4		ug/L	50.0		107	75-125			
Hexachlorobutadiene	49.6		ug/L	50.0		99.1	50-140			
Isopropylbenzene	53.3		ug/L	50.0		107	75-125			
m+p-Xylenes	107		ug/L	100		107	75-130			
Methylene chloride	53.9		ug/L	50.0		108	55-140			
Methyl-t-butyl ether (MTBE)	50.2		ug/L	50.0		100	65-125			
Naphthalene	54.2		ug/L	50.0		108	55-140			
n-Butylbenzene	58.5		ug/L	50.0		117	70-135			
n-Propylbenzene	52.8		ug/L	50.0		106	70-130			
o-Xylene	51.3		ug/L	50.0		103	80-120			
sec-Butylbenzene	57.6		ug/L	50.0		115	70-125			
Styrene	53.3		ug/L	50.0		107	65-135			
tert-Butylbenzene	55.2		ug/L	50.0		110	70-130			
Tetrachloroethylene (PCE)	48.2		ug/L	50.0		96.5	45-150			
Toluene	53.4		ug/L	50.0		107	75-120			
trans-1,2-Dichloroethylene	52.6		ug/L	50.0		105	60-140			
trans-1,3-Dichloropropene	51.9		ug/L	50.0		104	55-140			
Trichloroethylene	50.7		ug/L	50.0		101	70-125			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BII0062 - SW5030B-MS										
LCS (BII0062-BS1)			Prepared & Analyzed: 09/02/2025							
Trichlorofluoromethane	51.9		ug/L	50.0		104	60-145			
Vinyl chloride	58.1		ug/L	50.0		116	50-145			
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	<i>51.0</i>		ug/L	<i>50.0</i>		<i>102</i>	<i>70-120</i>			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	<i>48.4</i>		ug/L	<i>50.0</i>		<i>96.9</i>	<i>75-120</i>			
<i>Surr: Dibromofluoromethane (Surr)</i>	<i>52.3</i>		ug/L	<i>50.0</i>		<i>105</i>	<i>70-130</i>			
<i>Surr: Toluene-d8 (Surr)</i>	<i>49.4</i>		ug/L	<i>50.0</i>		<i>98.8</i>	<i>70-130</i>			
Matrix Spike (BII0062-MS1)			Source: 25H2585-02	Prepared & Analyzed: 09/02/2025						
1,1,1,2-Tetrachloroethane	50.8		ug/L	50.0	BLOD	102	80-130			
1,1,1-Trichloroethane	52.9		ug/L	50.0	BLOD	106	65-130			
1,1,2,2-Tetrachloroethane	42.5		ug/L	50.0	BLOD	85.1	65-130			
1,1,2-Trichloroethane	52.5		ug/L	50.0	BLOD	105	75-125			
1,1-Dichloroethane	59.2		ug/L	50.0	BLOD	118	70-135			
1,1-Dichloroethylene	46.6		ug/L	50.0	BLOD	93.2	50-145			
1,1-Dichloropropene	50.4		ug/L	50.0	BLOD	101	75-135			
1,2,3-Trichlorobenzene	49.9		ug/L	50.0	BLOD	99.9	55-140			
1,2,3-Trichloropropane	48.9		ug/L	50.0	BLOD	97.8	75-125			
1,2,4-Trichlorobenzene	50.4		ug/L	50.0	BLOD	101	65-135			
1,2,4-Trimethylbenzene	52.5		ug/L	50.0	BLOD	105	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	41.9		ug/L	50.0	BLOD	83.8	50-130			
1,2-Dibromoethane (EDB)	50.3		ug/L	50.0	BLOD	101	80-120			
1,2-Dichlorobenzene	49.1		ug/L	50.0	BLOD	98.1	70-120			
1,2-Dichloroethane	46.0		ug/L	50.0	BLOD	91.9	70-130			
1,2-Dichloropropane	50.0		ug/L	50.0	BLOD	99.9	75-125			
1,3,5-Trimethylbenzene	51.3		ug/L	50.0	BLOD	103	75-124			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0062 - SW5030B-MS

Matrix Spike (BII0062-MS1)

Source: 25H2585-02

Prepared & Analyzed: 09/02/2025

1,3-Dichlorobenzene	48.4		ug/L	50.0	BLOD	96.8	75-125
1,3-Dichloropropane	52.8		ug/L	50.0	BLOD	106	75-125
1,4-Dichlorobenzene	49.2		ug/L	50.0	BLOD	98.4	75-125
2,2-Dichloropropane	50.7		ug/L	50.0	BLOD	101	70-135
2-Butanone (MEK)	35.5		ug/L	50.0	BLOD	70.9	30-150
2-Chlorotoluene	47.3		ug/L	50.0	BLOD	94.6	75-125
2-Hexanone (MBK)	38.3		ug/L	50.0	BLOD	76.5	55-130
4-Chlorotoluene	47.8		ug/L	50.0	BLOD	95.5	75-130
4-Isopropyltoluene	51.7		ug/L	50.0	BLOD	103	75-130
4-Methyl-2-pentanone (MIBK)	39.8		ug/L	50.0	BLOD	79.5	60-135
Acetone	40.9		ug/L	50.0	BLOD	74.2	40-140
Benzene	50.1		ug/L	50.0	BLOD	100	80-120
Bromobenzene	49.4		ug/L	50.0	BLOD	98.8	75-125
Bromochloromethane	51.1		ug/L	50.0	BLOD	102	65-130
Bromodichloromethane	49.9		ug/L	50.0	BLOD	99.8	75-136
Bromoform	51.2		ug/L	50.0	BLOD	102	70-130
Bromomethane	52.4		ug/L	50.0	BLOD	105	30-145
Carbon disulfide	38.6		ug/L	50.0	BLOD	76.3	35-160
Carbon tetrachloride	47.8		ug/L	50.0	BLOD	95.5	65-140
Chlorobenzene	50.8		ug/L	50.0	BLOD	102	80-120
Chloroethane	50.6		ug/L	50.0	BLOD	101	60-135
Chloroform	49.9		ug/L	50.0	BLOD	99.8	65-135
Chloromethane	38.2		ug/L	50.0	BLOD	76.4	40-125
cis-1,2-Dichloroethylene	51.7		ug/L	50.0	BLOD	103	70-125
cis-1,3-Dichloropropene	51.4		ug/L	50.0	BLOD	103	47-136

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0062 - SW5030B-MS

Matrix Spike (BII0062-MS1)		Source: 25H2585-02		Prepared & Analyzed: 09/02/2025						
Dibromochloromethane	51.6		ug/L	50.0	BLOD	103	60-135			
Dibromomethane	46.5		ug/L	50.0	BLOD	93.1	75-125			
Dichlorodifluoromethane	50.6		ug/L	50.0	BLOD	101	30-155			
Ethylbenzene	51.0		ug/L	50.0	BLOD	102	75-125			
Hexachlorobutadiene	44.9		ug/L	50.0	BLOD	89.9	50-140			
Isopropylbenzene	50.4		ug/L	50.0	BLOD	101	75-125			
m+p-Xylenes	102		ug/L	100	BLOD	102	75-130			
Methylene chloride	48.9		ug/L	50.0	BLOD	97.3	55-140			
Methyl-t-butyl ether (MTBE)	50.1		ug/L	50.0	BLOD	100	65-125			
Naphthalene	53.1		ug/L	50.0	BLOD	106	55-140			
n-Butylbenzene	53.2		ug/L	50.0	BLOD	106	70-135			
n-Propylbenzene	48.1		ug/L	50.0	BLOD	96.2	70-130			
o-Xylene	49.4		ug/L	50.0	BLOD	98.9	80-120			
sec-Butylbenzene	51.8		ug/L	50.0	BLOD	104	70-125			
Styrene	51.8		ug/L	50.0	BLOD	104	65-135			
tert-Butylbenzene	49.2		ug/L	50.0	BLOD	98.4	70-130			
Tetrachloroethylene (PCE)	45.1		ug/L	50.0	BLOD	90.1	51-231			
Toluene	48.8		ug/L	50.0	BLOD	97.7	75-120			
trans-1,2-Dichloroethylene	47.2		ug/L	50.0	BLOD	94.4	60-140			
trans-1,3-Dichloropropene	51.2		ug/L	50.0	BLOD	102	55-140			
Trichloroethylene	45.8		ug/L	50.0	BLOD	91.5	70-125			
Trichlorofluoromethane	44.9		ug/L	50.0	BLOD	89.8	60-145			
Vinyl chloride	48.9		ug/L	50.0	BLOD	97.9	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	53.4		ug/L	50.0		107	70-120			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0062 - SW5030B-MS

Matrix Spike (BII0062-MS1)

Source: 25H2585-02

Prepared & Analyzed: 09/02/2025

<i>Surr: 4-Bromofluorobenzene (Surr)</i>	51.4		ug/L	50.0		103	75-120			
<i>Surr: Dibromofluoromethane (Surr)</i>	52.6		ug/L	50.0		105	70-130			
<i>Surr: Toluene-d8 (Surr)</i>	49.1		ug/L	50.0		98.2	70-130			

Matrix Spike Dup (BII0062-MSD1)

Source: 25H2585-02

Prepared & Analyzed: 09/02/2025

1,1,1,2-Tetrachloroethane	50.5		ug/L	50.0	BLOD	101	80-130	0.533	30	
1,1,1-Trichloroethane	53.5		ug/L	50.0	BLOD	107	65-130	1.26	30	
1,1,2,2-Tetrachloroethane	43.9		ug/L	50.0	BLOD	87.8	65-130	3.15	30	
1,1,2-Trichloroethane	55.0		ug/L	50.0	BLOD	110	75-125	4.65	30	
1,1-Dichloroethane	49.7		ug/L	50.0	BLOD	99.3	70-135	17.5	30	
1,1-Dichloroethylene	46.5		ug/L	50.0	BLOD	92.9	50-145	0.344	30	
1,1-Dichloropropene	50.8		ug/L	50.0	BLOD	102	75-135	0.771	30	
1,2,3-Trichlorobenzene	51.4		ug/L	50.0	BLOD	103	55-140	2.94	30	
1,2,3-Trichloropropane	48.4		ug/L	50.0	BLOD	96.9	75-125	0.986	30	
1,2,4-Trichlorobenzene	52.3		ug/L	50.0	BLOD	105	65-135	3.88	30	
1,2,4-Trimethylbenzene	53.4		ug/L	50.0	BLOD	107	75-130	1.76	30	
1,2-Dibromo-3-chloropropane (DBCP)	43.1		ug/L	50.0	BLOD	86.2	50-130	2.82	30	
1,2-Dibromoethane (EDB)	51.5		ug/L	50.0	BLOD	103	80-120	2.28	30	
1,2-Dichlorobenzene	51.7		ug/L	50.0	BLOD	103	70-120	5.30	30	
1,2-Dichloroethane	48.6		ug/L	50.0	BLOD	97.1	70-130	5.50	30	
1,2-Dichloropropane	52.6		ug/L	50.0	BLOD	105	75-125	5.15	30	
1,3,5-Trimethylbenzene	52.7		ug/L	50.0	BLOD	105	75-124	2.64	30	
1,3-Dichlorobenzene	50.4		ug/L	50.0	BLOD	101	75-125	4.07	30	
1,3-Dichloropropane	56.6		ug/L	50.0	BLOD	113	75-125	6.97	30	
1,4-Dichlorobenzene	50.3		ug/L	50.0	BLOD	101	75-125	2.21	30	

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BII0062 - SW5030B-MS										
Matrix Spike Dup (BII0062-MSD1)		Source: 25H2585-02		Prepared & Analyzed: 09/02/2025						
2,2-Dichloropropane	51.2		ug/L	50.0	BLOD	102	70-135	0.923	30	
2-Butanone (MEK)	40.5		ug/L	50.0	BLOD	81.0	30-150	13.2	30	
2-Chlorotoluene	47.1		ug/L	50.0	BLOD	94.2	75-125	0.360	30	
2-Hexanone (MBK)	38.9		ug/L	50.0	BLOD	77.8	55-130	1.68	30	
4-Chlorotoluene	48.8		ug/L	50.0	BLOD	97.5	75-130	2.07	30	
4-Isopropyltoluene	51.6		ug/L	50.0	BLOD	103	75-130	0.116	30	
4-Methyl-2-pentanone (MIBK)	44.3		ug/L	50.0	BLOD	88.6	60-135	10.8	30	
Acetone	43.0		ug/L	50.0	BLOD	78.4	40-140	4.91	30	
Benzene	50.3		ug/L	50.0	BLOD	101	80-120	0.359	30	
Bromobenzene	48.6		ug/L	50.0	BLOD	97.2	75-125	1.57	30	
Bromochloromethane	54.4		ug/L	50.0	BLOD	109	65-130	6.37	30	
Bromodichloromethane	52.2		ug/L	50.0	BLOD	104	75-136	4.58	30	
Bromoform	52.5		ug/L	50.0	BLOD	105	70-130	2.43	30	
Bromomethane	53.9		ug/L	50.0	BLOD	108	30-145	2.94	30	
Carbon disulfide	42.8		ug/L	50.0	BLOD	84.8	35-160	10.5	30	
Carbon tetrachloride	48.9		ug/L	50.0	BLOD	97.9	65-140	2.44	30	
Chlorobenzene	49.7		ug/L	50.0	BLOD	99.3	80-120	2.27	30	
Chloroethane	51.9		ug/L	50.0	BLOD	104	60-135	2.50	30	
Chloroform	50.6		ug/L	50.0	BLOD	101	65-135	1.39	30	
Chloromethane	39.6		ug/L	50.0	BLOD	79.2	40-125	3.57	30	
cis-1,2-Dichloroethylene	52.5		ug/L	50.0	BLOD	105	70-125	1.42	30	
cis-1,3-Dichloropropene	54.3		ug/L	50.0	BLOD	109	47-136	5.52	30	
Dibromochloromethane	55.1		ug/L	50.0	BLOD	110	60-135	6.60	30	
Dibromomethane	50.2		ug/L	50.0	BLOD	100	75-125	7.57	30	
Dichlorodifluoromethane	51.8		ug/L	50.0	BLOD	104	30-155	2.50	30	

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0062 - SW5030B-MS

Matrix Spike Dup (BII0062-MSD1)		Source: 25H2585-02		Prepared & Analyzed: 09/02/2025						
Ethylbenzene	49.5		ug/L	50.0	BLOD	99.1	75-125	2.83	30	
Hexachlorobutadiene	45.0		ug/L	50.0	BLOD	90.1	50-140	0.245	30	
Isopropylbenzene	48.4		ug/L	50.0	BLOD	96.7	75-125	4.03	30	
m+p-Xylenes	98.6		ug/L	100	BLOD	98.6	75-130	3.21	30	
Methylene chloride	51.9		ug/L	50.0	BLOD	103	55-140	5.85	30	
Methyl-t-butyl ether (MTBE)	46.1		ug/L	50.0	BLOD	92.2	65-125	8.33	30	
Naphthalene	56.3		ug/L	50.0	BLOD	112	55-140	5.98	30	
n-Butylbenzene	53.1		ug/L	50.0	BLOD	106	70-135	0.0753	30	
n-Propylbenzene	48.2		ug/L	50.0	BLOD	96.3	70-130	0.145	30	
o-Xylene	48.8		ug/L	50.0	BLOD	97.5	80-120	1.38	30	
sec-Butylbenzene	52.2		ug/L	50.0	BLOD	104	70-125	0.808	30	
Styrene	51.0		ug/L	50.0	BLOD	102	65-135	1.56	30	
tert-Butylbenzene	49.7		ug/L	50.0	BLOD	99.3	70-130	0.951	30	
Tetrachloroethylene (PCE)	43.8		ug/L	50.0	BLOD	87.6	51-231	2.81	30	
Toluene	50.0		ug/L	50.0	BLOD	100	75-120	2.43	30	
trans-1,2-Dichloroethylene	48.0		ug/L	50.0	BLOD	96.1	60-140	1.79	30	
trans-1,3-Dichloropropene	53.8		ug/L	50.0	BLOD	108	55-140	4.97	30	
Trichloroethylene	46.9		ug/L	50.0	BLOD	93.8	70-125	2.50	30	
Trichlorofluoromethane	45.5		ug/L	50.0	BLOD	91.0	60-145	1.28	30	
Vinyl chloride	48.0		ug/L	50.0	BLOD	96.0	50-145	1.92	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	56.4		ug/L	50.0		113	70-120			
Surr: 4-Bromofluorobenzene (Surr)	49.5		ug/L	50.0		99.0	75-120			
Surr: Dibromofluoromethane (Surr)	53.3		ug/L	50.0		107	70-130			
Surr: Toluene-d8 (Surr)	49.6		ug/L	50.0		99.1	70-130			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BII0136 - SW5030B-MS										
Blank (BII0136-BLK1)				Prepared & Analyzed: 09/03/2025						
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>	49.9		ug/L	50.0		99.9	70-120			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	51.2		ug/L	50.0		102	75-120			
<i>Surr: Dibromofluoromethane (Surr)</i>	48.9		ug/L	50.0		97.8	70-130			
<i>Surr: Toluene-d8 (Surr)</i>	51.7		ug/L	50.0		103	70-130			
LCS (BII0136-BS1)				Prepared & Analyzed: 09/03/2025						
1,1,1,2-Tetrachloroethane	39.8		ug/L	50.0		79.6	80-130			L
1,1,1-Trichloroethane	47.8		ug/L	50.0		95.6	65-130			
1,1,2,2-Tetrachloroethane	38.8		ug/L	50.0		77.6	65-130			
1,1,2-Trichloroethane	50.5		ug/L	50.0		101	75-125			
1,1-Dichloroethane	52.9		ug/L	50.0		106	70-135			
1,1-Dichloroethylene	55.5		ug/L	50.0		111	70-130			
1,1-Dichloropropene	50.1		ug/L	50.0		100	75-135			
1,2,3-Trichlorobenzene	43.4		ug/L	50.0		86.7	55-140			
1,2,3-Trichloropropane	37.9		ug/L	50.0		75.7	75-125			
1,2,4-Trichlorobenzene	44.7		ug/L	50.0		89.4	65-135			
1,2,4-Trimethylbenzene	51.1		ug/L	50.0		102	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	39.2		ug/L	50.0		78.4	50-130			
1,2-Dibromoethane (EDB)	40.0		ug/L	50.0		80.1	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: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BII0136 - SW5030B-MS										
LCS (BII0136-BS1)				Prepared & Analyzed: 09/03/2025						
1,2-Dichlorobenzene	49.8		ug/L	50.0		99.5	70-120			
1,2-Dichloroethane	46.0		ug/L	50.0		91.9	70-130			
1,2-Dichloropropane	54.9		ug/L	50.0		110	75-125			
1,3,5-Trimethylbenzene	52.5		ug/L	50.0		105	75-125			
1,3-Dichlorobenzene	48.1		ug/L	50.0		96.1	75-125			
1,3-Dichloropropane	52.6		ug/L	50.0		105	75-125			
1,4-Dichlorobenzene	46.4		ug/L	50.0		92.9	75-125			
2,2-Dichloropropane	53.7		ug/L	50.0		107	70-135			
2-Butanone (MEK)	38.6		ug/L	50.0		77.3	30-150			
2-Chlorotoluene	51.4		ug/L	50.0		103	75-125			
2-Hexanone (MBK)	33.5		ug/L	50.0		67.1	55-130			
4-Chlorotoluene	49.4		ug/L	50.0		98.9	75-130			
4-Isopropyltoluene	55.7		ug/L	50.0		111	75-130			
4-Methyl-2-pentanone (MIBK)	48.7		ug/L	50.0		97.5	60-135			
Acetone	36.5		ug/L	50.0		73.0	40-140			
Benzene	53.9		ug/L	50.0		108	80-120			
Bromobenzene	39.7		ug/L	50.0		79.4	75-125			
Bromochloromethane	46.4		ug/L	50.0		92.8	65-130			
Bromodichloromethane	49.0		ug/L	50.0		98.1	75-120			
Bromoform	36.7		ug/L	50.0		73.3	70-130			
Bromomethane	45.4		ug/L	50.0		90.9	30-145			
Carbon disulfide	63.0		ug/L	50.0		126	35-160			
Carbon tetrachloride	55.6		ug/L	50.0		111	65-140			
Chlorobenzene	41.8		ug/L	50.0		83.6	80-120			
Chloroethane	54.4		ug/L	50.0		109	60-135			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BII0136 - SW5030B-MS										
LCS (BII0136-BS1)				Prepared & Analyzed: 09/03/2025						
Chloroform	45.5		ug/L	50.0		91.0	65-135			
Chloromethane	50.6		ug/L	50.0		101	40-125			
cis-1,2-Dichloroethylene	50.7		ug/L	50.0		101	70-125			
cis-1,3-Dichloropropene	53.6		ug/L	50.0		107	70-130			
Dibromochloromethane	48.0		ug/L	50.0		95.9	60-135			
Dibromomethane	48.2		ug/L	50.0		96.4	75-125			
Dichlorodifluoromethane	66.5		ug/L	50.0		133	30-155			
Ethylbenzene	44.0		ug/L	50.0		88.0	75-125			
Hexachlorobutadiene	51.7		ug/L	50.0		103	50-140			
Isopropylbenzene	44.4		ug/L	50.0		88.8	75-125			
m+p-Xylenes	88.8		ug/L	100		88.8	75-130			
Methylene chloride	45.2		ug/L	50.0		90.5	55-140			
Methyl-t-butyl ether (MTBE)	48.8		ug/L	50.0		97.5	65-125			
Naphthalene	43.1		ug/L	50.0		86.2	55-140			
n-Butylbenzene	57.2		ug/L	50.0		114	70-135			
n-Propylbenzene	53.7		ug/L	50.0		107	70-130			
o-Xylene	43.7		ug/L	50.0		87.4	80-120			
sec-Butylbenzene	56.2		ug/L	50.0		112	70-125			
Styrene	42.9		ug/L	50.0		85.9	65-135			
tert-Butylbenzene	52.1		ug/L	50.0		104	70-130			
Tetrachloroethylene (PCE)	43.2		ug/L	50.0		86.3	45-150			
Toluene	51.5		ug/L	50.0		103	75-120			
trans-1,2-Dichloroethylene	51.2		ug/L	50.0		102	60-140			
trans-1,3-Dichloropropene	54.9		ug/L	50.0		110	55-140			
Trichloroethylene	52.8		ug/L	50.0		106	70-125			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BII0136 - SW5030B-MS										
LCS (BII0136-BS1)										
				Prepared & Analyzed: 09/03/2025						
Trichlorofluoromethane	56.2		ug/L	50.0		112	60-145			
Vinyl chloride	62.8		ug/L	50.0		126	50-145			
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	<i>48.4</i>		<i>ug/L</i>	<i>50.0</i>		<i>96.7</i>	<i>70-120</i>			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	<i>42.6</i>		<i>ug/L</i>	<i>50.0</i>		<i>85.3</i>	<i>75-120</i>			
<i>Surr: Dibromofluoromethane (Surr)</i>	<i>47.8</i>		<i>ug/L</i>	<i>50.0</i>		<i>95.7</i>	<i>70-130</i>			
<i>Surr: Toluene-d8 (Surr)</i>	<i>49.6</i>		<i>ug/L</i>	<i>50.0</i>		<i>99.3</i>	<i>70-130</i>			
Matrix Spike (BII0136-MS1)										
			Source: 25I0097-02		Prepared & Analyzed: 09/03/2025					
1,1,1,2-Tetrachloroethane	39.2		ug/L	50.0	BLOD	78.4	80-130			M
1,1,1-Trichloroethane	46.3		ug/L	50.0	BLOD	92.6	65-130			
1,1,2,2-Tetrachloroethane	40.5		ug/L	50.0	BLOD	81.0	65-130			
1,1,2-Trichloroethane	49.4		ug/L	50.0	BLOD	98.8	75-125			
1,1-Dichloroethane	50.0		ug/L	50.0	BLOD	100	70-135			
1,1-Dichloroethylene	52.6		ug/L	50.0	BLOD	105	50-145			
1,1-Dichloropropene	48.5		ug/L	50.0	BLOD	97.0	75-135			
1,2,3-Trichlorobenzene	43.9		ug/L	50.0	BLOD	87.8	55-140			
1,2,3-Trichloropropane	39.2		ug/L	50.0	BLOD	78.3	75-125			
1,2,4-Trichlorobenzene	41.4		ug/L	50.0	BLOD	82.9	65-135			
1,2,4-Trimethylbenzene	48.2		ug/L	50.0	BLOD	96.5	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	42.0		ug/L	50.0	BLOD	84.0	50-130			
1,2-Dibromoethane (EDB)	41.3		ug/L	50.0	BLOD	82.6	80-120			
1,2-Dichlorobenzene	46.4		ug/L	50.0	BLOD	92.7	70-120			
1,2-Dichloroethane	44.2		ug/L	50.0	BLOD	88.5	70-130			
1,2-Dichloropropane	52.7		ug/L	50.0	BLOD	105	75-125			
1,3,5-Trimethylbenzene	49.2		ug/L	50.0	BLOD	98.5	75-124			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0136 - SW5030B-MS

Matrix Spike (BII0136-MS1)		Source: 25I0097-02		Prepared & Analyzed: 09/03/2025						
1,3-Dichlorobenzene	44.8	ug/L	50.0	BLOD	89.6	75-125				
1,3-Dichloropropane	50.8	ug/L	50.0	BLOD	102	75-125				
1,4-Dichlorobenzene	46.2	ug/L	50.0	0.54	91.3	75-125				
2,2-Dichloropropane	51.2	ug/L	50.0	BLOD	102	70-135				
2-Butanone (MEK)	42.7	ug/L	50.0	BLOD	85.3	30-150				
2-Chlorotoluene	47.6	ug/L	50.0	BLOD	95.2	75-125				
2-Hexanone (MBK)	40.9	ug/L	50.0	BLOD	81.7	55-130				
4-Chlorotoluene	45.5	ug/L	50.0	BLOD	91.1	75-130				
4-Isopropyltoluene	48.5	ug/L	50.0	BLOD	97.0	75-130				
4-Methyl-2-pentanone (MIBK)	57.7	ug/L	50.0	BLOD	115	60-135				
Acetone	42.1	ug/L	50.0	BLOD	84.2	40-140				
Benzene	51.8	ug/L	50.0	BLOD	103	80-120				
Bromobenzene	38.9	ug/L	50.0	BLOD	77.8	75-125				
Bromochloromethane	44.4	ug/L	50.0	BLOD	88.8	65-130				
Bromodichloromethane	47.7	ug/L	50.0	BLOD	95.3	75-136				
Bromoform	37.6	ug/L	50.0	BLOD	75.1	70-130				
Bromomethane	42.6	ug/L	50.0	BLOD	85.2	30-145				
Carbon disulfide	52.2	ug/L	50.0	BLOD	104	35-160				
Carbon tetrachloride	55.3	ug/L	50.0	BLOD	111	65-140				
Chlorobenzene	41.7	ug/L	50.0	1.23	81.0	80-120				
Chloroethane	52.0	ug/L	50.0	BLOD	104	60-135				
Chloroform	43.3	ug/L	50.0	BLOD	86.6	65-135				
Chloromethane	46.0	ug/L	50.0	BLOD	92.0	40-125				
cis-1,2-Dichloroethylene	49.8	ug/L	50.0	0.46	98.8	70-125				
cis-1,3-Dichloropropene	50.2	ug/L	50.0	BLOD	100	47-136				

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0136 - SW5030B-MS

Matrix Spike (BII0136-MS1)

Source: 25I0097-02

Prepared & Analyzed: 09/03/2025

Dibromochloromethane	47.4		ug/L	50.0	BLOD	94.9	60-135			
Dibromomethane	46.5		ug/L	50.0	BLOD	92.9	75-125			
Dichlorodifluoromethane	46.2		ug/L	50.0	BLOD	92.4	30-155			
Ethylbenzene	43.4		ug/L	50.0	BLOD	86.8	75-125			
Hexachlorobutadiene	48.2		ug/L	50.0	BLOD	96.5	50-140			
Isopropylbenzene	43.9		ug/L	50.0	BLOD	87.9	75-125			
m+p-Xylenes	86.4		ug/L	100	BLOD	86.4	75-130			
Methylene chloride	42.3		ug/L	50.0	BLOD	84.6	55-140			
Methyl-t-butyl ether (MTBE)	47.1		ug/L	50.0	BLOD	94.2	65-125			
Naphthalene	42.9		ug/L	50.0	BLOD	85.9	55-140			
n-Butylbenzene	51.2		ug/L	50.0	BLOD	102	70-135			
n-Propylbenzene	49.6		ug/L	50.0	BLOD	99.1	70-130			
o-Xylene	42.4		ug/L	50.0	BLOD	84.8	80-120			
sec-Butylbenzene	52.3		ug/L	50.0	BLOD	105	70-125			
Styrene	41.4		ug/L	50.0	BLOD	82.8	65-135			
tert-Butylbenzene	48.8		ug/L	50.0	BLOD	97.7	70-130			
Tetrachloroethylene (PCE)	43.0		ug/L	50.0	BLOD	85.9	51-231			
Toluene	49.8		ug/L	50.0	BLOD	99.7	75-120			
trans-1,2-Dichloroethylene	50.8		ug/L	50.0	BLOD	102	60-140			
trans-1,3-Dichloropropene	53.6		ug/L	50.0	BLOD	107	55-140			
Trichloroethylene	49.8		ug/L	50.0	BLOD	99.6	70-125			
Trichlorofluoromethane	53.1		ug/L	50.0	BLOD	106	60-145			
Vinyl chloride	60.7		ug/L	50.0	BLOD	121	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	46.6		ug/L	50.0		93.2	70-120			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BII0136 - SW5030B-MS										
Matrix Spike (BII0136-MS1)		Source: 25I0097-02		Prepared & Analyzed: 09/03/2025						
Surr: 4-Bromofluorobenzene (Surr)	42.3		ug/L	50.0		84.6	75-120			
Surr: Dibromofluoromethane (Surr)	46.3		ug/L	50.0		92.7	70-130			
Surr: Toluene-d8 (Surr)	49.8		ug/L	50.0		99.6	70-130			
Matrix Spike Dup (BII0136-MSD1)		Source: 25I0097-02		Prepared & Analyzed: 09/03/2025						
1,1,1,2-Tetrachloroethane	39.4		ug/L	50.0	BLOD	78.9	80-130	0.610	30	M
1,1,1-Trichloroethane	46.8		ug/L	50.0	BLOD	93.6	65-130	1.03	30	
1,1,2,2-Tetrachloroethane	40.8		ug/L	50.0	BLOD	81.6	65-130	0.713	30	
1,1,2-Trichloroethane	50.7		ug/L	50.0	BLOD	101	75-125	2.66	30	
1,1-Dichloroethane	50.4		ug/L	50.0	BLOD	101	70-135	0.856	30	
1,1-Dichloroethylene	51.6		ug/L	50.0	BLOD	103	50-145	1.92	30	
1,1-Dichloropropene	48.9		ug/L	50.0	BLOD	97.8	75-135	0.821	30	
1,2,3-Trichlorobenzene	48.5		ug/L	50.0	BLOD	97.0	55-140	10.0	30	
1,2,3-Trichloropropane	40.6		ug/L	50.0	BLOD	81.1	75-125	3.54	30	
1,2,4-Trichlorobenzene	45.4		ug/L	50.0	BLOD	90.8	65-135	9.07	30	
1,2,4-Trimethylbenzene	49.5		ug/L	50.0	BLOD	98.9	75-130	2.50	30	
1,2-Dibromo-3-chloropropane (DBCP)	46.8		ug/L	50.0	BLOD	93.5	50-130	10.7	30	
1,2-Dibromoethane (EDB)	41.4		ug/L	50.0	BLOD	82.8	80-120	0.193	30	
1,2-Dichlorobenzene	50.1		ug/L	50.0	BLOD	100	70-120	7.67	30	
1,2-Dichloroethane	45.1		ug/L	50.0	BLOD	90.3	70-130	2.04	30	
1,2-Dichloropropane	55.5		ug/L	50.0	BLOD	111	75-125	5.10	30	
1,3,5-Trimethylbenzene	53.5		ug/L	50.0	BLOD	107	75-124	8.27	30	
1,3-Dichlorobenzene	49.3		ug/L	50.0	BLOD	98.5	75-125	9.53	30	
1,3-Dichloropropane	52.7		ug/L	50.0	BLOD	105	75-125	3.67	30	
1,4-Dichlorobenzene	45.4		ug/L	50.0	0.54	89.8	75-125	1.59	30	

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BII0136 - SW5030B-MS										
Matrix Spike Dup (BII0136-MSD1)		Source: 25I0097-02		Prepared & Analyzed: 09/03/2025						
2,2-Dichloropropane	50.2		ug/L	50.0	BLOD	100	70-135	2.05	30	
2-Butanone (MEK)	36.9		ug/L	50.0	BLOD	73.8	30-150	14.5	30	
2-Chlorotoluene	50.8		ug/L	50.0	BLOD	102	75-125	6.60	30	
2-Hexanone (MBK)	42.8		ug/L	50.0	BLOD	85.5	55-130	4.52	30	
4-Chlorotoluene	48.8		ug/L	50.0	BLOD	97.5	75-130	6.85	30	
4-Isopropyltoluene	55.7		ug/L	50.0	BLOD	111	75-130	13.9	30	
4-Methyl-2-pentanone (MIBK)	60.8		ug/L	50.0	BLOD	122	60-135	5.21	30	
Acetone	47.2		ug/L	50.0	BLOD	94.4	40-140	11.4	30	
Benzene	52.0		ug/L	50.0	BLOD	104	80-120	0.424	30	
Bromobenzene	38.8		ug/L	50.0	BLOD	77.6	75-125	0.309	30	
Bromochloromethane	44.8		ug/L	50.0	BLOD	89.7	65-130	0.941	30	
Bromodichloromethane	49.5		ug/L	50.0	BLOD	98.9	75-136	3.73	30	
Bromoform	37.6		ug/L	50.0	BLOD	75.1	70-130	0.00	30	
Bromomethane	43.3		ug/L	50.0	BLOD	86.7	30-145	1.68	30	
Carbon disulfide	59.2		ug/L	50.0	BLOD	118	35-160	12.6	30	
Carbon tetrachloride	54.8		ug/L	50.0	BLOD	110	65-140	0.745	30	
Chlorobenzene	40.8		ug/L	50.0	1.23	79.1	80-120	2.28	30	M
Chloroethane	50.1		ug/L	50.0	BLOD	100	60-135	3.62	30	
Chloroform	43.1		ug/L	50.0	BLOD	86.1	65-135	0.533	30	
Chloromethane	45.5		ug/L	50.0	BLOD	91.0	40-125	1.07	30	
cis-1,2-Dichloroethylene	49.8		ug/L	50.0	0.46	98.6	70-125	0.141	30	
cis-1,3-Dichloropropene	52.1		ug/L	50.0	BLOD	104	47-136	3.64	30	
Dibromochloromethane	49.0		ug/L	50.0	BLOD	97.9	60-135	3.17	30	
Dibromomethane	47.7		ug/L	50.0	BLOD	95.4	75-125	2.65	30	
Dichlorodifluoromethane	46.8		ug/L	50.0	BLOD	93.6	30-155	1.25	30	

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0136 - SW5030B-MS

Matrix Spike Dup (BII0136-MSD1)		Source: 25I0097-02		Prepared & Analyzed: 09/03/2025						
Ethylbenzene	43.4		ug/L	50.0	BLOD	86.7	75-125	0.115	30	
Hexachlorobutadiene	52.5		ug/L	50.0	BLOD	105	50-140	8.53	30	
Isopropylbenzene	44.3		ug/L	50.0	BLOD	88.5	75-125	0.748	30	
m+p-Xylenes	85.6		ug/L	100	BLOD	85.6	75-130	0.977	30	
Methylene chloride	41.4		ug/L	50.0	BLOD	82.7	55-140	2.32	30	
Methyl-t-butyl ether (MTBE)	47.6		ug/L	50.0	BLOD	95.2	65-125	1.01	30	
Naphthalene	47.6		ug/L	50.0	BLOD	95.2	55-140	10.3	30	
n-Butylbenzene	57.7		ug/L	50.0	BLOD	115	70-135	11.9	30	
n-Propylbenzene	53.2		ug/L	50.0	BLOD	106	70-130	7.16	30	
o-Xylene	41.6		ug/L	50.0	BLOD	83.2	80-120	1.98	30	
sec-Butylbenzene	54.5		ug/L	50.0	BLOD	109	70-125	4.14	30	
Styrene	41.9		ug/L	50.0	BLOD	83.8	65-135	1.15	30	
tert-Butylbenzene	52.6		ug/L	50.0	BLOD	105	70-130	7.30	30	
Tetrachloroethylene (PCE)	42.9		ug/L	50.0	BLOD	85.8	51-231	0.116	30	
Toluene	50.0		ug/L	50.0	BLOD	99.9	75-120	0.240	30	
trans-1,2-Dichloroethylene	50.0		ug/L	50.0	BLOD	100	60-140	1.59	30	
trans-1,3-Dichloropropene	54.7		ug/L	50.0	BLOD	109	55-140	2.01	30	
Trichloroethylene	50.9		ug/L	50.0	BLOD	102	70-125	2.21	30	
Trichlorofluoromethane	52.9		ug/L	50.0	BLOD	106	60-145	0.283	30	
Vinyl chloride	59.4		ug/L	50.0	BLOD	119	50-145	2.17	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	46.3		ug/L	50.0		92.6	70-120			
Surr: 4-Bromofluorobenzene (Surr)	42.7		ug/L	50.0		85.4	75-120			
Surr: Dibromofluoromethane (Surr)	44.5		ug/L	50.0		88.9	70-130			
Surr: Toluene-d8 (Surr)	51.0		ug/L	50.0		102	70-130			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0238 - SW5030B-MS

Blank (BII0238-BLK1)

Prepared & Analyzed: 09/04/2025

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>	50.2		ug/L	50.0		100	70-120			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	50.4		ug/L	50.0		101	75-120			
<i>Surr: Dibromofluoromethane (Surr)</i>	54.4		ug/L	50.0		109	70-130			
<i>Surr: Toluene-d8 (Surr)</i>	50.0		ug/L	50.0		99.9	70-130			

LCS (BII0238-BS1)

Prepared & Analyzed: 09/04/2025

1,1,1,2-Tetrachloroethane	56.6		ug/L	50.0		113	80-130			
1,1,1-Trichloroethane	61.7		ug/L	50.0		123	65-130			
1,1,2,2-Tetrachloroethane	51.6		ug/L	50.0		103	65-130			
1,1,2-Trichloroethane	48.7		ug/L	50.0		97.4	75-125			
1,1-Dichloroethane	57.9		ug/L	50.0		116	70-135			
1,1-Dichloroethylene	58.2		ug/L	50.0		116	70-130			
1,1-Dichloropropene	59.7		ug/L	50.0		119	75-135			
1,2,3-Trichlorobenzene	51.1		ug/L	50.0		102	55-140			
1,2,3-Trichloropropane	50.3		ug/L	50.0		101	75-125			
1,2,4-Trichlorobenzene	53.0		ug/L	50.0		106	65-135			
1,2,4-Trimethylbenzene	56.7		ug/L	50.0		113	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	41.4		ug/L	50.0		82.7	50-130			
1,2-Dibromoethane (EDB)	50.8		ug/L	50.0		102	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: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BII0238 - SW5030B-MS										
LCS (BII0238-BS1)				Prepared & Analyzed: 09/04/2025						
1,2-Dichlorobenzene	57.6		ug/L	50.0		115	70-120			
1,2-Dichloroethane	51.7		ug/L	50.0		103	70-130			
1,2-Dichloropropane	50.7		ug/L	50.0		101	75-125			
1,3,5-Trimethylbenzene	57.1		ug/L	50.0		114	75-125			
1,3-Dichlorobenzene	59.7		ug/L	50.0		119	75-125			
1,3-Dichloropropane	50.8		ug/L	50.0		102	75-125			
1,4-Dichlorobenzene	58.0		ug/L	50.0		116	75-125			
2,2-Dichloropropane	59.8		ug/L	50.0		120	70-135			
2-Butanone (MEK)	46.0		ug/L	50.0		92.0	30-150			
2-Chlorotoluene	56.6		ug/L	50.0		113	75-125			
2-Hexanone (MBK)	44.9		ug/L	50.0		89.9	55-130			
4-Chlorotoluene	57.1		ug/L	50.0		114	75-130			
4-Isopropyltoluene	58.3		ug/L	50.0		117	75-130			
4-Methyl-2-pentanone (MIBK)	43.6		ug/L	50.0		87.1	60-135			
Acetone	42.9		ug/L	50.0		85.9	40-140			
Benzene	54.8		ug/L	50.0		110	80-120			
Bromobenzene	60.8		ug/L	50.0		122	75-125			
Bromochloromethane	55.6		ug/L	50.0		111	65-130			
Bromodichloromethane	53.1		ug/L	50.0		106	75-120			
Bromoform	53.2		ug/L	50.0		106	70-130			
Bromomethane	47.8		ug/L	50.0		95.7	30-145			
Carbon disulfide	46.8		ug/L	50.0		93.5	35-160			
Carbon tetrachloride	58.6		ug/L	50.0		117	65-140			
Chlorobenzene	56.5		ug/L	50.0		113	80-120			
Chloroethane	55.3		ug/L	50.0		111	60-135			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BII0238 - SW5030B-MS										
LCS (BII0238-BS1)				Prepared & Analyzed: 09/04/2025						
Chloroform	59.9		ug/L	50.0		120	65-135			
Chloromethane	50.8		ug/L	50.0		102	40-125			
cis-1,2-Dichloroethylene	55.7		ug/L	50.0		111	70-125			
cis-1,3-Dichloropropene	52.9		ug/L	50.0		106	70-130			
Dibromochloromethane	52.4		ug/L	50.0		105	60-135			
Dibromomethane	50.1		ug/L	50.0		100	75-125			
Dichlorodifluoromethane	49.6		ug/L	50.0		99.3	30-155			
Ethylbenzene	57.5		ug/L	50.0		115	75-125			
Hexachlorobutadiene	55.8		ug/L	50.0		112	50-140			
Isopropylbenzene	60.7		ug/L	50.0		121	75-125			
m+p-Xylenes	119		ug/L	100		119	75-130			
Methylene chloride	57.8		ug/L	50.0		116	55-140			
Methyl-t-butyl ether (MTBE)	52.9		ug/L	50.0		106	65-125			
Naphthalene	44.7		ug/L	50.0		89.4	55-140			
n-Butylbenzene	57.4		ug/L	50.0		115	70-135			
n-Propylbenzene	57.4		ug/L	50.0		115	70-130			
o-Xylene	59.1		ug/L	50.0		118	80-120			
sec-Butylbenzene	58.5		ug/L	50.0		117	70-125			
Styrene	58.8		ug/L	50.0		118	65-135			
tert-Butylbenzene	58.4		ug/L	50.0		117	70-130			
Tetrachloroethylene (PCE)	58.9		ug/L	50.0		118	45-150			
Toluene	54.0		ug/L	50.0		108	75-120			
trans-1,2-Dichloroethylene	58.7		ug/L	50.0		117	60-140			
trans-1,3-Dichloropropene	51.5		ug/L	50.0		103	55-140			
Trichloroethylene	55.9		ug/L	50.0		112	70-125			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BII0238 - SW5030B-MS										
LCS (BII0238-BS1)				Prepared & Analyzed: 09/04/2025						
Trichlorofluoromethane	63.4		ug/L	50.0		127	60-145			
Vinyl chloride	57.0		ug/L	50.0		114	50-145			
<i>Surr: 1,2-Dichloroethane-d4 (Surr)</i>	<i>53.0</i>		<i>ug/L</i>	<i>50.0</i>		<i>106</i>	<i>70-120</i>			
<i>Surr: 4-Bromofluorobenzene (Surr)</i>	<i>51.4</i>		<i>ug/L</i>	<i>50.0</i>		<i>103</i>	<i>75-120</i>			
<i>Surr: Dibromofluoromethane (Surr)</i>	<i>55.8</i>		<i>ug/L</i>	<i>50.0</i>		<i>112</i>	<i>70-130</i>			
<i>Surr: Toluene-d8 (Surr)</i>	<i>49.8</i>		<i>ug/L</i>	<i>50.0</i>		<i>99.7</i>	<i>70-130</i>			
Matrix Spike (BII0238-MS1)				Source: 25I0247-02	Prepared & Analyzed: 09/04/2025					
1,1,1,2-Tetrachloroethane	56.5		ug/L	50.0	BLOD	113	80-130			
1,1,1-Trichloroethane	64.9		ug/L	50.0	BLOD	130	65-130			
1,1,2,2-Tetrachloroethane	52.0		ug/L	50.0	BLOD	104	65-130			
1,1,2-Trichloroethane	50.5		ug/L	50.0	BLOD	101	75-125			
1,1-Dichloroethane	59.2		ug/L	50.0	BLOD	118	70-135			
1,1-Dichloroethylene	60.0		ug/L	50.0	BLOD	120	50-145			
1,1-Dichloropropene	63.1		ug/L	50.0	BLOD	126	75-135			
1,2,3-Trichlorobenzene	50.8		ug/L	50.0	BLOD	102	55-140			
1,2,3-Trichloropropane	51.5		ug/L	50.0	BLOD	103	75-125			
1,2,4-Trichlorobenzene	53.1		ug/L	50.0	BLOD	106	65-135			
1,2,4-Trimethylbenzene	57.4		ug/L	50.0	BLOD	115	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	42.9		ug/L	50.0	BLOD	85.8	50-130			
1,2-Dibromoethane (EDB)	50.7		ug/L	50.0	BLOD	101	80-120			
1,2-Dichlorobenzene	57.2		ug/L	50.0	BLOD	114	70-120			
1,2-Dichloroethane	52.4		ug/L	50.0	BLOD	105	70-130			
1,2-Dichloropropane	52.3		ug/L	50.0	BLOD	105	75-125			
1,3,5-Trimethylbenzene	57.8		ug/L	50.0	BLOD	116	75-124			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0238 - SW5030B-MS

Matrix Spike (BII0238-MS1)

Source: 25I0247-02

Prepared & Analyzed: 09/04/2025

1,3-Dichlorobenzene	59.4	ug/L	50.0	BLOD	119	75-125
1,3-Dichloropropane	52.8	ug/L	50.0	BLOD	106	75-125
1,4-Dichlorobenzene	58.5	ug/L	50.0	BLOD	117	75-125
2,2-Dichloropropane	62.4	ug/L	50.0	BLOD	125	70-135
2-Butanone (MEK)	52.4	ug/L	50.0	BLOD	105	30-150
2-Chlorotoluene	56.6	ug/L	50.0	BLOD	113	75-125
2-Hexanone (MBK)	49.3	ug/L	50.0	BLOD	98.7	55-130
4-Chlorotoluene	56.6	ug/L	50.0	BLOD	113	75-130
4-Isopropyltoluene	59.5	ug/L	50.0	BLOD	119	75-130
4-Methyl-2-pentanone (MIBK)	48.9	ug/L	50.0	BLOD	97.7	60-135
Acetone	48.7	ug/L	50.0	BLOD	97.5	40-140
Benzene	56.7	ug/L	50.0	BLOD	113	80-120
Bromobenzene	61.6	ug/L	50.0	BLOD	123	75-125
Bromochloromethane	56.6	ug/L	50.0	BLOD	113	65-130
Bromodichloromethane	54.3	ug/L	50.0	BLOD	109	75-136
Bromoform	54.3	ug/L	50.0	BLOD	109	70-130
Bromomethane	48.9	ug/L	50.0	BLOD	97.0	30-145
Carbon disulfide	49.8	ug/L	50.0	BLOD	99.1	35-160
Carbon tetrachloride	61.8	ug/L	50.0	BLOD	124	65-140
Chlorobenzene	57.2	ug/L	50.0	BLOD	114	80-120
Chloroethane	54.9	ug/L	50.0	BLOD	110	60-135
Chloroform	61.1	ug/L	50.0	BLOD	122	65-135
Chloromethane	50.3	ug/L	50.0	BLOD	100	40-125
cis-1,2-Dichloroethylene	57.4	ug/L	50.0	BLOD	115	70-125
cis-1,3-Dichloropropene	54.0	ug/L	50.0	BLOD	108	47-136

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0238 - SW5030B-MS

Matrix Spike (BII0238-MS1)

Source: 25I0247-02

Prepared & Analyzed: 09/04/2025

Dibromochloromethane	54.3		ug/L	50.0	BLOD	109	60-135			
Dibromomethane	51.5		ug/L	50.0	BLOD	103	75-125			
Dichlorodifluoromethane	50.1		ug/L	50.0	BLOD	100	30-155			
Ethylbenzene	59.0		ug/L	50.0	BLOD	118	75-125			
Hexachlorobutadiene	57.0		ug/L	50.0	BLOD	114	50-140			
Isopropylbenzene	62.3		ug/L	50.0	BLOD	125	75-125			
m+p-Xylenes	121		ug/L	100	BLOD	121	75-130			
Methylene chloride	58.2		ug/L	50.0	BLOD	116	55-140			
Methyl-t-butyl ether (MTBE)	53.1		ug/L	50.0	BLOD	106	65-125			
Naphthalene	45.4		ug/L	50.0	BLOD	90.9	55-140			
n-Butylbenzene	58.8		ug/L	50.0	BLOD	118	70-135			
n-Propylbenzene	58.2		ug/L	50.0	BLOD	116	70-130			
o-Xylene	60.0		ug/L	50.0	BLOD	120	80-120			
sec-Butylbenzene	59.4		ug/L	50.0	BLOD	119	70-125			
Styrene	59.1		ug/L	50.0	BLOD	118	65-135			
tert-Butylbenzene	58.2		ug/L	50.0	BLOD	116	70-130			
Tetrachloroethylene (PCE)	60.7		ug/L	50.0	BLOD	121	51-231			
Toluene	56.8		ug/L	50.0	BLOD	114	75-120			
trans-1,2-Dichloroethylene	60.5		ug/L	50.0	BLOD	121	60-140			
trans-1,3-Dichloropropene	52.4		ug/L	50.0	BLOD	105	55-140			
Trichloroethylene	58.4		ug/L	50.0	BLOD	117	70-125			
Trichlorofluoromethane	65.5		ug/L	50.0	BLOD	131	60-145			
Vinyl chloride	56.9		ug/L	50.0	BLOD	114	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	55.2		ug/L	50.0		110	70-120			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0238 - SW5030B-MS

Matrix Spike (BII0238-MS1) **Source: 25I0247-02** Prepared & Analyzed: 09/04/2025

<i>Surr: 4-Bromofluorobenzene (Surr)</i>	51.2		ug/L	50.0		102	75-120			
<i>Surr: Dibromofluoromethane (Surr)</i>	56.1		ug/L	50.0		112	70-130			
<i>Surr: Toluene-d8 (Surr)</i>	50.5		ug/L	50.0		101	70-130			

Matrix Spike Dup (BII0238-MSD1) **Source: 25I0247-02** Prepared & Analyzed: 09/04/2025

1,1,1,2-Tetrachloroethane	56.5		ug/L	50.0	BLOD	113	80-130	0.0177	30	
1,1,1-Trichloroethane	63.9		ug/L	50.0	BLOD	128	65-130	1.62	30	
1,1,2,2-Tetrachloroethane	54.4		ug/L	50.0	BLOD	109	65-130	4.55	30	
1,1,2-Trichloroethane	50.8		ug/L	50.0	BLOD	102	75-125	0.533	30	
1,1-Dichloroethane	58.1		ug/L	50.0	BLOD	116	70-135	1.79	30	
1,1-Dichloroethylene	59.5		ug/L	50.0	BLOD	119	50-145	0.804	30	
1,1-Dichloropropene	61.4		ug/L	50.0	BLOD	123	75-135	2.62	30	
1,2,3-Trichlorobenzene	51.3		ug/L	50.0	BLOD	103	55-140	0.999	30	
1,2,3-Trichloropropane	53.2		ug/L	50.0	BLOD	106	75-125	3.36	30	
1,2,4-Trichlorobenzene	53.7		ug/L	50.0	BLOD	107	65-135	1.27	30	
1,2,4-Trimethylbenzene	57.5		ug/L	50.0	BLOD	115	75-130	0.122	30	
1,2-Dibromo-3-chloropropane (DBCP)	45.0		ug/L	50.0	BLOD	89.9	50-130	4.69	30	
1,2-Dibromoethane (EDB)	51.8		ug/L	50.0	BLOD	104	80-120	2.11	30	
1,2-Dichlorobenzene	57.6		ug/L	50.0	BLOD	115	70-120	0.854	30	
1,2-Dichloroethane	52.3		ug/L	50.0	BLOD	105	70-130	0.248	30	
1,2-Dichloropropane	52.2		ug/L	50.0	BLOD	104	75-125	0.268	30	
1,3,5-Trimethylbenzene	57.7		ug/L	50.0	BLOD	115	75-124	0.277	30	
1,3-Dichlorobenzene	59.2		ug/L	50.0	BLOD	118	75-125	0.236	30	
1,3-Dichloropropane	52.5		ug/L	50.0	BLOD	105	75-125	0.608	30	
1,4-Dichlorobenzene	57.8		ug/L	50.0	BLOD	116	75-125	1.08	30	

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0238 - SW5030B-MS

Matrix Spike Dup (BII0238-MSD1)

Source: 25I0247-02

Prepared & Analyzed: 09/04/2025

2,2-Dichloropropane	60.8		ug/L	50.0	BLOD	122	70-135	2.71	30	
2-Butanone (MEK)	54.9		ug/L	50.0	BLOD	110	30-150	4.63	30	
2-Chlorotoluene	56.9		ug/L	50.0	BLOD	114	75-125	0.511	30	
2-Hexanone (MBK)	53.3		ug/L	50.0	BLOD	107	55-130	7.75	30	
4-Chlorotoluene	56.3		ug/L	50.0	BLOD	113	75-130	0.496	30	
4-Isopropyltoluene	59.1		ug/L	50.0	BLOD	118	75-130	0.557	30	
4-Methyl-2-pentanone (MIBK)	52.8		ug/L	50.0	BLOD	106	60-135	7.66	30	
Acetone	52.8		ug/L	50.0	BLOD	106	40-140	7.98	30	
Benzene	55.7		ug/L	50.0	BLOD	111	80-120	1.69	30	
Bromobenzene	61.5		ug/L	50.0	BLOD	123	75-125	0.179	30	
Bromochloromethane	56.7		ug/L	50.0	BLOD	113	65-130	0.123	30	
Bromodichloromethane	54.1		ug/L	50.0	BLOD	108	75-136	0.388	30	
Bromoform	55.6		ug/L	50.0	BLOD	111	70-130	2.37	30	
Bromomethane	47.6		ug/L	50.0	BLOD	94.3	30-145	2.76	30	
Carbon disulfide	49.7		ug/L	50.0	BLOD	98.8	35-160	0.261	30	
Carbon tetrachloride	60.7		ug/L	50.0	BLOD	121	65-140	1.71	30	
Chlorobenzene	57.2		ug/L	50.0	BLOD	114	80-120	0.0525	30	
Chloroethane	54.6		ug/L	50.0	BLOD	109	60-135	0.603	30	
Chloroform	60.1		ug/L	50.0	BLOD	120	65-135	1.53	30	
Chloromethane	49.8		ug/L	50.0	BLOD	99.3	40-125	0.999	30	
cis-1,2-Dichloroethylene	56.3		ug/L	50.0	BLOD	113	70-125	1.97	30	
cis-1,3-Dichloropropene	53.7		ug/L	50.0	BLOD	107	47-136	0.575	30	
Dibromochloromethane	54.4		ug/L	50.0	BLOD	109	60-135	0.0920	30	
Dibromomethane	51.5		ug/L	50.0	BLOD	103	75-125	0.0388	30	
Dichlorodifluoromethane	49.2		ug/L	50.0	BLOD	98.5	30-155	1.81	30	

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0238 - SW5030B-MS

Matrix Spike Dup (BII0238-MSD1)

Source: 25I0247-02

Prepared & Analyzed: 09/04/2025

Ethylbenzene	58.4		ug/L	50.0	BLOD	117	75-125	0.971	30	
Hexachlorobutadiene	58.4		ug/L	50.0	BLOD	117	50-140	2.30	30	
Isopropylbenzene	61.5		ug/L	50.0	BLOD	123	75-125	1.32	30	
m+p-Xylenes	120		ug/L	100	BLOD	120	75-130	0.989	30	
Methylene chloride	57.7		ug/L	50.0	BLOD	115	55-140	0.949	30	
Methyl-t-butyl ether (MTBE)	53.5		ug/L	50.0	BLOD	107	65-125	0.638	30	
Naphthalene	46.8		ug/L	50.0	BLOD	93.7	55-140	3.08	30	
n-Butylbenzene	58.8		ug/L	50.0	BLOD	118	70-135	0.0680	30	
n-Propylbenzene	57.5		ug/L	50.0	BLOD	115	70-130	1.33	30	
o-Xylene	60.0		ug/L	50.0	BLOD	120	80-120	0.0834	30	
sec-Butylbenzene	59.2		ug/L	50.0	BLOD	118	70-125	0.422	30	
Styrene	59.0		ug/L	50.0	BLOD	118	65-135	0.169	30	
tert-Butylbenzene	58.1		ug/L	50.0	BLOD	116	70-130	0.206	30	
Tetrachloroethylene (PCE)	60.1		ug/L	50.0	BLOD	120	51-231	0.878	30	
Toluene	56.0		ug/L	50.0	BLOD	112	75-120	1.35	30	
trans-1,2-Dichloroethylene	59.7		ug/L	50.0	BLOD	119	60-140	1.30	30	
trans-1,3-Dichloropropene	52.4		ug/L	50.0	BLOD	105	55-140	0.0382	30	
Trichloroethylene	58.1		ug/L	50.0	BLOD	116	70-125	0.481	30	
Trichlorofluoromethane	64.5		ug/L	50.0	BLOD	129	60-145	1.51	30	
Vinyl chloride	56.9		ug/L	50.0	BLOD	114	50-145	0.0879	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	54.2		ug/L	50.0		108	70-120			
Surr: 4-Bromofluorobenzene (Surr)	51.3		ug/L	50.0		103	75-120			
Surr: Dibromofluoromethane (Surr)	55.9		ug/L	50.0		112	70-130			
Surr: Toluene-d8 (Surr)	50.4		ug/L	50.0		101	70-130			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0007 - SW3510C/EPA600-MS

Blank (BII0007-BLK1)

Prepared & Analyzed: 09/02/2025

Anthracene	ND	10.0	ug/L							
<i>Surr: 2,4,6-Tribromophenol (Surr)</i>	99.7		ug/L	100		99.7	5-136			
<i>Surr: 2-Fluorobiphenyl (Surr)</i>	38.8		ug/L	50.0		77.6	9-117			
<i>Surr: 2-Fluorophenol (Surr)</i>	47.9		ug/L	100		47.9	5-60			
<i>Surr: Nitrobenzene-d5 (Surr)</i>	44.7		ug/L	50.0		89.4	5-151			
<i>Surr: Phenol-d5 (Surr)</i>	34.1		ug/L	100		34.1	5-60			
<i>Surr: p-Terphenyl-d14 (Surr)</i>	42.3		ug/L	50.0		84.7	5-141			

LCS (BII0007-BS1)

Prepared & Analyzed: 09/02/2025

1,2,4-Trichlorobenzene	37.8	10.0	ug/L	50.0		75.5	57-130			
1,2-Dichlorobenzene	40.2	10.0	ug/L	50.0		80.3	22-115			
1,3-Dichlorobenzene	38.4	10.0	ug/L	50.0		76.8	22-112			
1,4-Dichlorobenzene	38.7	10.0	ug/L	50.0		77.4	13-112			
2,4,6-Trichlorophenol	50.8	10.0	ug/L	50.0		102	52-129			
2,4-Dichlorophenol	44.4	10.0	ug/L	50.0		88.8	53-122			
2,4-Dimethylphenol	40.3	5.00	ug/L	50.0		80.7	42-120			
2,4-Dinitrophenol	67.5	50.0	ug/L	50.0		135	48-127			L
2,4-Dinitrotoluene	50.5	10.0	ug/L	50.0		101	10-173			
2,6-Dinitrotoluene	49.0	10.0	ug/L	50.0		98.1	68-137			
2-Chloronaphthalene	39.8	10.0	ug/L	50.0		79.6	65-120			
2-Chlorophenol	41.2	10.0	ug/L	50.0		82.3	36-120			
2-Nitrophenol	46.8	10.0	ug/L	50.0		93.5	45-167			
3,3'-Dichlorobenzidine	53.6	10.0	ug/L	50.0		107	10-213			
4,6-Dinitro-2-methylphenol	63.9	50.0	ug/L	50.0		128	53-130			
4-Bromophenyl phenyl ether	48.0	10.0	ug/L	50.0		95.9	65-120			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0007 - SW3510C/EPA600-MS

LCS (BII0007-BS1)

Prepared & Analyzed: 09/02/2025

4-Chlorophenyl phenyl ether	43.1	10.0	ug/L	50.0		86.1	38-145			
4-Nitrophenol	23.7	50.0	ug/L	50.0		47.4	13-129			
Acenaphthene	40.4	10.0	ug/L	50.0		80.9	60-132			
Acenaphthylene	41.0	10.0	ug/L	50.0		82.0	54-126			
Acetophenone	37.5	20.0	ug/L	50.0		75.0	0-200			
Anthracene	42.3	10.0	ug/L	50.0		84.5	43-120			
Benzo (a) anthracene	45.2	10.0	ug/L	50.0		90.5	42-133			
Benzo (a) pyrene	46.5	10.0	ug/L	50.0		93.0	32-148			
Benzo (b) fluoranthene	52.9	10.0	ug/L	50.0		106	42-140			
Benzo (g,h,i) perylene	39.2	10.0	ug/L	50.0		78.4	10-195			
Benzo (k) fluoranthene	41.6	10.0	ug/L	50.0		83.3	25-146			
bis (2-Chloroethoxy) methane	41.3	10.0	ug/L	50.0		82.5	49-165			
bis (2-Chloroethyl) ether	41.0	10.0	ug/L	50.0		82.0	43-126			
2,2'-Oxybis (1-chloropropane)	43.0	10.0	ug/L	50.0		85.9	63-139			
bis (2-Ethylhexyl) phthalate	43.8	10.0	ug/L	50.0		87.6	29-137			
Butyl benzyl phthalate	50.8	10.0	ug/L	50.0		102	10-140			
Chrysene	44.6	10.0	ug/L	50.0		89.2	44-140			
Dibenz (a,h) anthracene	43.7	10.0	ug/L	50.0		87.4	10-200			
Diethyl phthalate	48.3	10.0	ug/L	50.0		96.6	10-120			
Dimethyl phthalate	46.3	10.0	ug/L	50.0		92.6	10-120			
Di-n-butyl phthalate	47.5	10.0	ug/L	50.0		94.9	10-120			
Di-n-octyl phthalate	46.1	10.0	ug/L	50.0		92.2	19-132			
Fluoranthene	41.5	10.0	ug/L	50.0		83.1	43-121			
Fluorene	41.7	10.0	ug/L	50.0		83.3	70-120			
Hexachlorobenzene	47.0	2.50	ug/L	50.0		93.9	10-142			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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

Batch BII0007 - SW3510C/EPA600-MS

LCS (BII0007-BS1)

Prepared & Analyzed: 09/02/2025

Hexachlorobutadiene	42.4	10.0	ug/L	50.0		84.9	38-120			
Hexachlorocyclopentadiene	28.1	10.0	ug/L	50.0		56.2	10-76			
Hexachloroethane	38.3	10.0	ug/L	50.0		76.6	55-120			
Indeno (1,2,3-cd) pyrene	39.9	10.0	ug/L	50.0		79.9	10-151			
Isophorone	36.5	10.0	ug/L	50.0		73.1	47-180			
Naphthalene	37.7	5.00	ug/L	50.0		75.4	36-120			
Nitrobenzene	44.7	10.0	ug/L	50.0		89.3	54-158			
n-Nitrosodimethylamine	25.8	10.0	ug/L	50.0		51.7	10-85			
n-Nitrosodi-n-propylamine	43.7	10.0	ug/L	50.0		87.5	14-198			
n-Nitrosodiphenylamine	37.6	10.0	ug/L	50.0		75.1	12-97			
p-Chloro-m-cresol	46.6	10.0	ug/L	50.0		93.3	10-142			
Pentachloronitrobenzene (quintozene)	ND	10.0	ug/L				0-200			
Pentachlorophenol	50.3	20.0	ug/L	50.0		101	38-152			
Phenanthrene	47.0	10.0	ug/L	50.0		94.0	65-120			
Phenol	17.8	10.0	ug/L	50.5		35.2	17-120			
Pyrene	41.1	10.0	ug/L	50.0		82.1	70-120			
Pyridine	28.7	10.0	ug/L	50.0		57.4	10-103			
Surr: 2,4,6-Tribromophenol (Surr)	106		ug/L	100		106	5-136			
Surr: 2-Fluorobiphenyl (Surr)	39.8		ug/L	50.0		79.6	9-117			
Surr: 2-Fluorophenol (Surr)	48.3		ug/L	100		48.3	5-60			
Surr: Nitrobenzene-d5 (Surr)	47.3		ug/L	50.0		94.6	5-151			
Surr: Phenol-d5 (Surr)	36.6		ug/L	100		36.6	5-60			
Surr: p-Terphenyl-d14 (Surr)	46.3		ug/L	50.0		92.6	5-141			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Ion Chromatography Analyses - Quality Control

Enthalpy Analytical

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

Batch BIH1586 - No Prep IC

Blank (BIH1586-BLK1)

Prepared & Analyzed: 09/02/2025

Acetic Acid	ND	0.5	mg/L
Butyric Acid	ND	0.5	mg/L
Formic Acid	ND	0.5	mg/L
n-Hexanoic Acid	ND	0.5	mg/L
i-Hexanoic Acid	ND	0.5	mg/L
Lactic Acid	ND	0.5	mg/L
n-Pentanoic Acid	ND	0.5	mg/L
i-Pentanoic Acid	ND	0.5	mg/L
Propionic Acid	ND	0.5	mg/L
Pyruvic Acid	ND	0.5	mg/L

LCS (BIH1586-BS1)

Prepared & Analyzed: 09/02/2025

Acetic Acid	5.7		mg/L	5.00	115	70-130
Butyric Acid	5.4		mg/L	5.00	107	70-130
Formic Acid	5.7		mg/L	4.99	115	70-130
n-Hexanoic Acid	4.7		mg/L	5.00	94.5	70-130
i-Hexanoic Acid	5.2		mg/L	5.00	105	70-130
Lactic Acid	5.7		mg/L	5.00	115	70-130
n-Pentanoic Acid	5.1		mg/L	5.00	102	70-130
i-Pentanoic Acid	4.5		mg/L	5.00	90.7	70-130
Propionic Acid	5.4		mg/L	5.00	108	70-130
Pyruvic Acid	5.9		mg/L	5.00	118	70-130

Matrix Spike (BIH1586-MS1)

Source: 25H2532-01

Prepared & Analyzed: 09/02/2025

Acetic Acid	6170	500	mg/L	5000	678	110	70-130
Butyric Acid	5320	500	mg/L	5000	293	101	70-130

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Ion Chromatography Analyses - Quality Control

Enthalpy Analytical

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

Batch BIH1586 - No Prep IC

Matrix Spike (BIH1586-MS1)

Source: 25H2532-01

Prepared & Analyzed: 09/02/2025

Formic Acid	5330	500	mg/L	5000	BLOD	107	70-130			
n-Hexanoic Acid	4860	500	mg/L	5000	BLOD	97.3	70-130			
i-Hexanoic Acid	5020	500	mg/L	5000	BLOD	100	70-130			
Lactic Acid	5520	500	mg/L	5000	BLOD	111	70-130			
n-Pentanoic Acid	5010	500	mg/L	5000	BLOD	100	70-130			
i-Pentanoic Acid	4670	500	mg/L	5000	BLOD	93.4	70-130			
Propionic Acid	6090	500	mg/L	5000	696	108	70-130			
Pyruvic Acid	5270	500	mg/L	5000	BLOD	105	70-130			

Matrix Spike Dup (BIH1586-MSD1)

Source: 25H2532-01

Prepared & Analyzed: 09/02/2025

Acetic Acid	6480	500	mg/L	5000	678	116	70-130	4.87	20	
Butyric Acid	5690	500	mg/L	5000	293	108	70-130	6.74	20	
Formic Acid	5650	500	mg/L	5000	BLOD	113	70-130	5.75	20	
n-Hexanoic Acid	5290	500	mg/L	5000	BLOD	106	70-130	8.46	20	
i-Hexanoic Acid	5280	500	mg/L	5000	BLOD	106	70-130	5.04	20	
Lactic Acid	5900	500	mg/L	5000	BLOD	118	70-130	6.53	20	
n-Pentanoic Acid	5280	500	mg/L	5000	BLOD	106	70-130	5.29	20	
i-Pentanoic Acid	4960	500	mg/L	5000	BLOD	99.2	70-130	6.07	20	
Propionic Acid	6450	500	mg/L	5000	696	115	70-130	5.67	20	
Pyruvic Acid	5590	500	mg/L	5000	BLOD	112	70-130	6.00	20	

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Wet Chemistry Analysis - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIH1546 - No Prep Wet Chem										
Blank (BIH1546-BLK1)				Prepared & Analyzed: 08/29/2025						
BOD	ND	2.0	mg/L							
LCS (BIH1546-BS1)				Prepared & Analyzed: 08/29/2025						
BOD	206		mg/L	198		104	84.6-115.4			
Duplicate (BIH1546-DUP1)				Source: 25H2485-04 Prepared & Analyzed: 08/29/2025						
BOD	2.7	2.0	mg/L		2.6			3.77	20	
Batch BIH1550 - No Prep Wet Chem										
Blank (BIH1550-BLK1)				Prepared & Analyzed: 08/29/2025						
Nitrite as N	ND	0.05	mg/L							
LCS (BIH1550-BS1)				Prepared & Analyzed: 08/29/2025						
Nitrite as N	0.10	0.05	mg/L	0.100		102	80-120			
Matrix Spike (BIH1550-MS1)				Source: 25H2443-01 Prepared & Analyzed: 08/29/2025						
Nitrite as N	0.10	0.05	mg/L	0.100	BLOD	99.0	80-120			
Matrix Spike Dup (BIH1550-MSD1)				Source: 25H2443-01 Prepared & Analyzed: 08/29/2025						
Nitrite as N	0.10	0.05	mg/L	0.100	BLOD	101	80-120	2.00	20	
Batch BII0110 - No Prep Wet Chem										
Blank (BII0110-BLK1)				Prepared & Analyzed: 09/03/2025						
COD	ND	10.0	mg/L							

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Wet Chemistry Analysis - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BII0110 - No Prep Wet Chem										
LCS (BII0110-BS1)				Prepared & Analyzed: 09/03/2025						
COD	50.9	10.0	mg/L	50.0		102	88-119			
Matrix Spike (BII0110-MS1)				Source: 25I0097-01		Prepared & Analyzed: 09/03/2025				
COD	62.4	10.0	mg/L	50.0	17.7	89.4	72.4-130			
Matrix Spike Dup (BII0110-MSD1)				Source: 25I0097-01		Prepared & Analyzed: 09/03/2025				
COD	66.3	10.0	mg/L	50.0	17.7	97.3	72.4-130	6.09	20	
Batch BII0550 - No Prep Wet Chem										
Blank (BII0550-BLK1)				Prepared: 09/10/2025 Analyzed: 09/11/2025						
TKN as N	ND	0.50	mg/L							
LCS (BII0550-BS1)				Prepared: 09/10/2025 Analyzed: 09/11/2025						
TKN as N	5.32		mg/L	5.00		106	90-110			
Matrix Spike (BII0550-MS1)				Source: 25I0299-01		Prepared: 09/10/2025 Analyzed: 09/11/2025				
TKN as N	10.3	0.50	mg/L	5.00	4.87	108	90-110			
Matrix Spike (BII0550-MS2)				Source: 25I0492-02		Prepared: 09/10/2025 Analyzed: 09/11/2025				
TKN as N	4.43	0.50	mg/L	5.00	0.15	85.6	90-110			M
Matrix Spike Dup (BII0550-MSD1)				Source: 25I0299-01		Prepared: 09/10/2025 Analyzed: 09/11/2025				
TKN as N	10.2	0.50	mg/L	5.00	4.87	107	90-110	0.604	20	
Matrix Spike Dup (BII0550-MSD2)				Source: 25I0492-02		Prepared: 09/10/2025 Analyzed: 09/11/2025				
TKN as N	4.49	0.50	mg/L	5.00	0.15	86.7	90-110	1.19	20	M

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Wet Chemistry Analysis - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BII0639 - No Prep Wet Chem										
Blank (BII0639-BLK1)				Prepared & Analyzed: 09/11/2025						
Ammonia as N	ND	0.10	mg/L							
LCS (BII0639-BS1)				Prepared & Analyzed: 09/11/2025						
Ammonia as N	1.06		mg/L	1.00		106	90-110			
Matrix Spike (BII0639-MS1)				Prepared & Analyzed: 09/11/2025						
Ammonia as N	1.09	0.10	mg/L	1.00	0.07	101	89.3-131			
Matrix Spike (BII0639-MS2)				Prepared & Analyzed: 09/11/2025						
Ammonia as N	1.10	0.10	mg/L	1.00	0.08	102	89.3-131			
Matrix Spike Dup (BII0639-MSD1)				Prepared & Analyzed: 09/11/2025						
Ammonia as N	1.05	0.10	mg/L	1.00	0.07	97.9	89.3-131	3.28	20	
Matrix Spike Dup (BII0639-MSD2)				Prepared & Analyzed: 09/11/2025						
Ammonia as N	1.06	0.10	mg/L	1.00	0.08	98.6	89.3-131	3.34	20	
Batch BII0717 - No Prep Wet Chem										
Blank (BII0717-BLK1)				Prepared & Analyzed: 09/12/2025						
Nitrate+Nitrite as N	ND	0.10	mg/L							
LCS (BII0717-BS1)				Prepared & Analyzed: 09/12/2025						
Nitrate+Nitrite as N	1.03		mg/L	1.00		103	90-110			
Matrix Spike (BII0717-MS1)				Prepared & Analyzed: 09/12/2025						
Nitrate+Nitrite as N	14.0	0.20	mg/L	10.0	4.18	97.7	90-120			

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Wet Chemistry Analysis - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BII0717 - No Prep Wet Chem										
Matrix Spike Dup (BII0717-MSD1)		Source: 25H2551-03		Prepared & Analyzed: 09/12/2025						
Nitrate+Nitrite as N	14.1	0.20	mg/L	10.0	4.18	98.9	90-120	0.857	20	
Batch BII0726 - No Prep Wet Chem										
Blank (BII0726-BLK1)				Prepared & Analyzed: 09/12/2025						
Total Recoverable Phenolics	ND	0.050	mg/L							
LCS (BII0726-BS1)				Prepared & Analyzed: 09/12/2025						
Total Recoverable Phenolics	0.46	0.050	mg/L	0.505		91.1	80-120			
Matrix Spike (BII0726-MS1)		Source: 25I0915-01		Prepared & Analyzed: 09/12/2025						
Total Recoverable Phenolics	0.45	0.050	mg/L	0.500	0.04	82.0	70-130			
Matrix Spike Dup (BII0726-MSD1)		Source: 25I0915-01		Prepared & Analyzed: 09/12/2025						
Total Recoverable Phenolics	0.46	0.050	mg/L	0.500	0.04	83.6	70-130	1.75	20	

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Analytical Summary

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Ion Chromatography Analyses			Preparation Method: No Prep IC		
25H2532-01	1.00 mL / 1.00 mL	D3705	BIH1586	SI0068	AE50224
25H2532-01RE1	1.00 mL / 1.00 mL	D3705	BIH1586	SI0068	AE50224
25H2532-01RE2	1.00 mL / 1.00 mL	D3705	BIH1586	SI0068	AE50224
25H2532-02	1.00 mL / 1.00 mL	D3705	BIH1586	SI0068	AE50224
25H2532-02RE1	1.00 mL / 1.00 mL	D3705	BIH1586	SI0068	AE50224

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			Preparation Method: No Prep Wet Chem		
25H2532-01	300 mL / 300 mL	SM5210B-2016	BIH1546	SI0107	
25H2532-02	300 mL / 300 mL	SM5210B-2016	BIH1546	SI0107	
25H2532-01	0.500 mL / 25.0 mL	SM4500-NO2B-2021	BIH1550	SI0038	AD50358
25H2532-02	1.00 mL / 25.0 mL	SM4500-NO2B-2021	BIH1550	SI0038	AD50358
25H2532-01	2.00 mL / 2.00 mL	SM5220D-2011	BII0110	SI0095	AG50211
25H2532-02	2.00 mL / 2.00 mL	SM5220D-2011	BII0110	SI0095	AG50211
25H2532-01	0.0500 mL / 25.0 mL	EPA351.2 R2.0	BII0550	SI0499	AI50206
25H2532-02	0.0500 mL / 25.0 mL	EPA351.2 R2.0	BII0550	SI0499	AI50206
25H2532-01	6.00 mL / 6.00 mL	EPA350.1 R2.0	BII0639	SI0523	AI50209
25H2532-02	6.00 mL / 6.00 mL	EPA350.1 R2.0	BII0639	SI0523	AI50209
25H2532-01	5.00 mL / 5.00 mL	SM4500-NO3F-2019	BII0717	SI0588	AI50221
25H2532-02	5.00 mL / 5.00 mL	SM4500-NO3F-2019	BII0717	SI0588	AI50221
25H2532-02RE1	5.00 mL / 5.00 mL	SM4500-NO3F-2019	BII0717	SI0588	AI50221
25H2532-01	0.100 mL / 10.0 mL	SW9065	BII0726	SI0591	AI50222
25H2532-02	0.100 mL / 10.0 mL	SW9065	BII0726	SI0591	AI50222

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

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		
25H2532-01	50.0 mL / 50.0 mL	SW6010D	BI0020	SI0063	AI50142
25H2532-01RE1	50.0 mL / 50.0 mL	SW6010D	BI0020	SI0063	AI50142
25H2532-02	50.0 mL / 50.0 mL	SW6010D	BI0020	SI0063	AI50142
25H2532-02RE1	50.0 mL / 50.0 mL	SW6010D	BI0020	SI0063	AI50142
Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			Preparation Method: SW3005A-ICPMS		
25H2532-01	50.0 mL / 50.0 mL	SW6020B	BI0021	SI0153	AI50152
25H2532-02	50.0 mL / 50.0 mL	SW6020B	BI0021	SI0153	AI50152
Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Semivolatile Organic Compounds by GCMS			Preparation Method: SW3510C/EPA600-MS		
25H2532-01	500 mL / 1.00 mL	SW8270E	BI0007	SI0098	AC50298
25H2532-02	500 mL / 2.00 mL	SW8270E	BI0007	SI0098	AC50298
Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			Preparation Method: SW5030B-MS		
25H2532-01	5.00 mL / 5.00 mL	SW8260D	BI0062	SI0046	AH50309
25H2532-02	5.00 mL / 5.00 mL	SW8260D	BI0062	SI0046	AH50309
25H2532-02RE1	5.00 mL / 5.00 mL	SW8260D	BI0136	SI0116	AH50341
25H2532-03	5.00 mL / 5.00 mL	SW8260D	BI0136	SI0116	AH50341
25H2532-01RE1	5.00 mL / 5.00 mL	SW8260D	BI0238	SI0194	AH50338

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

QC Analytical Summary

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Ion Chromatography Analyses			Preparation Method:	No Prep IC	
BIH1586-BLK1	1.00 mL / 1.00 mL	D3705	BIH1586	SII0068	AE50224
BIH1586-BS1	1.00 mL / 1.00 mL	D3705	BIH1586	SII0068	AE50224
BIH1586-MS1	0.00500 mL / 5.00 mL	D3705	BIH1586	SII0068	AE50224
BIH1586-MSD1	0.00500 mL / 5.00 mL	D3705	BIH1586	SII0068	AE50224

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			Preparation Method:	No Prep Wet Chem	
BIH1546-BLK1	300 mL / 300 mL	SM5210B-2016	BIH1546	SII0107	
BIH1546-BS1	300 mL / 300 mL	SM5210B-2016	BIH1546	SII0107	
BIH1546-DUP1	300 mL / 300 mL	SM5210B-2016	BIH1546	SII0107	
BIH1550-BLK1	25.0 mL / 25.0 mL	SM4500-NO2B-2021	BIH1550	SII0038	AD50358
BIH1550-BS1	25.0 mL / 25.0 mL	SM4500-NO2B-2021	BIH1550	SII0038	AD50358
BIH1550-MS1	25.0 mL / 25.0 mL	SM4500-NO2B-2021	BIH1550	SII0038	AD50358
BIH1550-MSD1	25.0 mL / 25.0 mL	SM4500-NO2B-2021	BIH1550	SII0038	AD50358
BII0110-BLK1	2.00 mL / 2.00 mL	SM5220D-2011	BII0110	SII0095	AG50211
BII0110-BS1	2.00 mL / 2.00 mL	SM5220D-2011	BII0110	SII0095	AG50211
BII0110-MRL1	2.00 mL / 2.00 mL	SM5220D-2011	BII0110	SII0095	AG50211
BII0110-MS1	2.00 mL / 2.00 mL	SM5220D-2011	BII0110	SII0095	AG50211
BII0110-MSD1	2.00 mL / 2.00 mL	SM5220D-2011	BII0110	SII0095	AG50211
BII0550-BLK1	25.0 mL / 25.0 mL	EPA351.2 R2.0	BII0550	SII0499	AI50206
BII0550-BS1	25.0 mL / 25.0 mL	EPA351.2 R2.0	BII0550	SII0499	AI50206
BII0550-MRL1	25.0 mL / 25.0 mL	EPA351.2 R2.0	BII0550	SII0499	AI50206
BII0550-MS1	25.0 mL / 25.0 mL	EPA351.2 R2.0	BII0550	SII0499	AI50206
BII0550-MS2	25.0 mL / 25.0 mL	EPA351.2 R2.0	BII0550	SII0499	AI50206
BII0550-MSD1	25.0 mL / 25.0 mL	EPA351.2 R2.0	BII0550	SII0499	AI50206

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			Preparation Method:	No Prep Wet Chem	
BII0550-MSD2	25.0 mL / 25.0 mL	EPA351.2 R2.0	BII0550	SII0499	AI50206
BII0639-BLK1	6.00 mL / 6.00 mL	EPA350.1 R2.0	BII0639	SII0523	AI50209
BII0639-BS1	6.00 mL / 6.00 mL	EPA350.1 R2.0	BII0639	SII0523	AI50209
BII0639-MS1	6.00 mL / 6.00 mL	EPA350.1 R2.0	BII0639	SII0523	AI50209
BII0639-MS2	6.00 mL / 6.00 mL	EPA350.1 R2.0	BII0639	SII0523	AI50209
BII0639-MSD1	6.00 mL / 6.00 mL	EPA350.1 R2.0	BII0639	SII0523	AI50209
BII0639-MSD2	6.00 mL / 6.00 mL	EPA350.1 R2.0	BII0639	SII0523	AI50209
BII0717-BLK1	5.00 mL / 5.00 mL	SM4500-NO3F-2019	BII0717	SII0588	AI50221
BII0717-BS1	5.00 mL / 5.00 mL	SM4500-NO3F-2019	BII0717	SII0588	AI50221
BII0717-MRL1	5.00 mL / 5.00 mL	SM4500-NO3F-2019	BII0717	SII0588	AI50221
BII0717-MS1	2.50 mL / 25.0 mL	SM4500-NO3F-2019	BII0717	SII0588	AI50221
BII0717-MSD1	2.50 mL / 25.0 mL	SM4500-NO3F-2019	BII0717	SII0588	AI50221
BII0726-BLK1	5.00 mL / 10.0 mL	SW9065	BII0726	SII0591	AI50222
BII0726-BS1	5.00 mL / 10.0 mL	SW9065	BII0726	SII0591	AI50222
BII0726-MRL1	5.00 mL / 10.0 mL	SW9065	BII0726	SII0591	AI50222
BII0726-MS1	5.00 mL / 10.0 mL	SW9065	BII0726	SII0591	AI50222
BII0726-MSD1	5.00 mL / 10.0 mL	SW9065	BII0726	SII0591	AI50222

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	
BII0020-BLK1	50.0 mL / 50.0 mL	SW6010D	BII0020	SII0063	AI50142
BII0020-BS1	50.0 mL / 50.0 mL	SW6010D	BII0020	SII0063	AI50142
BII0020-MS1	50.0 mL / 50.0 mL	SW6010D	BII0020	SII0063	AI50142
BII0020-MSD1	50.0 mL / 50.0 mL	SW6010D	BII0020	SII0063	AI50142

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

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			Preparation Method: SW3005A-ICPMS		
BII0021-BLK1	50.0 mL / 50.0 mL	SW6020B	BII0021	SII0153	AI50152
BII0021-BS1	50.0 mL / 50.0 mL	SW6020B	BII0021	SII0153	AI50152
BII0021-MS1	50.0 mL / 50.0 mL	SW6020B	BII0021	SII0153	AI50152
BII0021-MSD1	50.0 mL / 50.0 mL	SW6020B	BII0021	SII0153	AI50152

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Semivolatile Organic Compounds by GCMS			Preparation Method: SW3510C/EPA600-MS		
BII0007-BLK1	1000 mL / 1.00 mL	SW8270E	BII0007	SII0081	AG50329
BII0007-BS1	1000 mL / 1.00 mL	SW8270E	BII0007	SII0081	AG50329

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			Preparation Method: SW5030B-MS		
BII0062-BLK1	5.00 mL / 5.00 mL	SW8260D	BII0062	SII0046	AH50309
BII0062-BS1	5.00 mL / 5.00 mL	SW8260D	BII0062	SII0046	AH50309
BII0062-MS1	5.00 mL / 5.00 mL	SW8260D	BII0062	SII0046	AH50309
BII0062-MSD1	5.00 mL / 5.00 mL	SW8260D	BII0062	SII0046	AH50309
BII0136-BLK1	5.00 mL / 5.00 mL	SW8260D	BII0136	SII0116	AH50341
BII0136-BS1	5.00 mL / 5.00 mL	SW8260D	BII0136	SII0116	AH50341
BII0136-MS1	5.00 mL / 5.00 mL	SW8260D	BII0136	SII0116	AH50341
BII0136-MSD1	5.00 mL / 5.00 mL	SW8260D	BII0136	SII0116	AH50341
BII0238-BLK1	5.00 mL / 5.00 mL	SW8260D	BII0238	SII0194	AH50338
BII0238-BLK2	5.00 mL / 5.00 mL	SW8260D	BII0238	SII0194	AH50338
BII0238-BS1	5.00 mL / 5.00 mL	SW8260D	BII0238	SII0194	AH50338
BII0238-BS2	5.00 mL / 5.00 mL	SW8260D	BII0238	SII0194	AH50338
BII0238-MS1	5.00 mL / 5.00 mL	SW8260D	BII0238	SII0194	AH50338
BII0238-MSD1	5.00 mL / 5.00 mL	SW8260D	BII0238	SII0194	AH50338

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

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
<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>SW6020B in Non-Potable Water</i>	
Mercury	VELAP,NCDEQ,PADEP,WVDEP

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Code	Description	Laboratory ID	Expires
DURSC-NCDEQ	NCDEQ Durham Service Center	703	12/31/2025
DURSC-NCDHHS	NCDHHS Durham Service Center	37918	07/31/2026
MdDOE	Maryland DE Drinking Water	341	12/31/2025
NCDEQ	North Carolina DEQ	495	12/31/2025
NCDHHS	North Carolina Department of Health and Human Services	51714	07/31/2026
PADEP	NELAP-Pennsylvania Certificate #010	68-03503	10/31/2025
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 #13599	460021	06/14/2026
WVDEP	West Virginia DEP Cert ID: WV-C25-00105	350	11/30/2025

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Qualifiers and Definitions

C	Continuing calibration verification response for this analyte is outside specifications.
DS	Surrogate concentration reflects a dilution factor.
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
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 35
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): G. Kirby L. Nelson	SAMPLER SIGNATURE: <i>[Signature]</i>	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.	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	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	
											VOCs (Acetone, Benzene, EB, MEK, THF, Toluene, Xylene) Custom List	Mercury Method 6020	Metals 6010 (Ag, As, Ba, Cd, Cr, Cu, Ni, Pb, Se, Zn)	Phenolics	TKN, Nitrate (Cd), Nitrite	SVOC (Anthracene only)	COD, Ammonia	BOD	VFAs			
1) EW-98	X					08/25/14	940		GW	10	X	X	X	X	X	X	X	X				Note VOC 8260 no HCl
2) EW-89	X					08/28/15	1013		GW	10	X	X	X	X	X	X	X	X				
3)									GW													
4)									GW													
5)									GW													
6)									GW													
7)									GW													Observed Temp °C: 2.4
8)									GW													Correction Factor °C: 0.0
9)									GW													Corrected Temp °C: 2.4
10) Trip Blank	X					50125	1100		DI	2	X											

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

Note VOC 8260
no HCl

PLEASE NOTE PRESERVATIVE(S),
INTERFERENCE CHECKS or PUMP
RATE (L/min)

Observed Temp °C: **2.4**

Correction Factor °C: **0.0**

Corrected Temp °C: **2.4**

RELINQUISHED: <i>[Signature]</i>	DATE / TIME: 08/25/25 1200	RECEIVED: LCN	DATE / TIME:	QC Data Package	LAB USE ONLY Therm ID: 271	Custody Seals used and intact? (Y) (N)	Received on ice? (Y) (N)
RELINQUISHED: LCN	DATE / TIME:	RECEIVED: <i>[Signature]</i>	DATE / TIME: 8/29/25 0800	Level III ☐	SCS-W Bristol LFG-EW Monthly Monitor	25H2532	
RELINQUISHED:	DATE / TIME:	RECEIVED:	DATE / TIME:	Level IV ☐			

SCS-W
Bristol LFG-EW Monthly Monitor
25H2532

Recd: **08/29/2025** Due: **09/15/20**

Page 64 of 68



Sample Preservation Log

Order ID: 25H2532

Date Performed: 8-29-25

Analyst Performing Check: RCJ

Sample ID	Container ID	Metals			Cyanide			Sulfide			Ammonia			TKN			Phos, Tot			NO3+NO2			DRO			Pesticide (8081/608/508) PCB DW only			SVOC (525/8270/625)			CrVI * **		Pest/PCB (508) / SVOC(525)			COD			Phenols																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		pH as Received		Final pH	pH as Received		Final pH	pH as Received		Final pH	pH as Received		Final pH	pH as Received		Final pH	pH as Received		Final pH	pH as Received		Final pH	pH as Received		Final pH	Received Res. Cl		final + or -	Received Res. Cl		final + or -	Received pH	Final pH	pH as Received		Final pH	pH as Received		Final pH	pH as Received		Final pH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		< 2	Other		> 12	Other		> 9	Other		< 2	Other		< 2	Other		< 2	Other		< 2	Other		< 2	Other		< 2	Other		< 2	Other				+	-		+	-		< 2	Other		< 2	Other	< 2	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

NaOH ID: _____ HNO₃ ID: 5H02977 CrVI preserved date/time: _____ Analyst Initials: _____
H₂SO₄ ID: 5H02341 Na₂S₂O₃ ID: _____ * pH must be adjusted between 9.3 - 9.7
HCL ID: _____ Na₂SO₃ ID: _____ Ammonia Buffer Sol'n ID: _____
5N NaOH ID: _____

Metals were received with pH =
HNO₃ was added at 1345 on
August 29 2025 by RCJ 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: 9/15/2025 6:16:40PM

Work Order: 25H2532

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

Laboratory Order ID: 25H2532

Sample Conditions Checklist

Samples Received at:	2.40°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.	No

Work Order Comments

Jennifer Robb notified via email for the samples were all preserved in the lab to the appropriate pH for analysis. The P500mL container preserved with HNO3 was also preserved in the lab which is a deviation for Hg analysis. HEG 8/29/25 1548

Certificate of Analysis

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

Date Issued: 9/15/2025 6:16:40PM

Work Order: 25H2532

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	---	---	---	1380	---	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	---	---	---	1600	---	2260	1890	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2350	310	146	200	
	September-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2140	222	146	200	
	October-2023	---	---	---	1250	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1720	---	---	---	---	---	---	73.1	100	
	November-2023	---	---	---	---	---	---	1980	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2890	---	---	---	146	200	
	December-2023	---	---	---	---	---	---	---	---	---	2440	---	---	1170	---	---	---	---	---	---	---	---	---	---	---	2080	183	250	
	January-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	366	500	
	February-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1540	---	---	---	---	---	---	73.1	100	
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200	
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200
	May-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	73.1	100
	June-2024	---	---	---	---	---	---	---	---	---	---	2550	---	---	---	---	---	---	---	1620	---	1950	2660	---	---	---	---	146	200
	July-2024	---	---	---	---	---	---	---	---	---	---	1860	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	73.1	100
	August-2024	---	---	---	---	---	1110	---	---	---	---	---	1950	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200
	September-2024	---	---	---	---	---	1440	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	73.1	100
	October-2024	343	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200
	November-2024	934	1370	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200
	December-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.68	---	---	---	---	---	0.005	0.01
	February-2025	---	1300	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1400	---	---	---	---	---	73.1	100
	March-2025	---	1240	---	---	---	---	---	---	---	---	---	1480	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200
	April-2025	---	---	---	---	---	---	---	---	---	---	---	2440	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200
May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	146	200	
June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	120	200	
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	120	200	
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	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

[illegible]

[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		
		---	ND	---	ND	---	---	---	---	ND	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	1	5	
	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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.5	2.5	
		May-2023	---	ND	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5	
	June-2023	---	---	---	---	---	---	---	---	---	2 J	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	1	5	
		July-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	ND	0.05	0.25
	---		ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.5	2.5
	August-2023	---	---	---	---	---	---	---	1.2 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	1	5
		---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	0.05	0.25
	September-2023	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.2	1
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.25	1.25
		---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	0.5	2.5
	November-2023	---	0.06 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.05	0.25
		---	---	---	---	---	---	ND	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	1.25
	December-2023	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5
		---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	1	5
	January-2024	---	---	1.7 J	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5
	February-2024	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	ND	---	---	---	1	5
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25 J	0.25	1.25
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.25	0.25
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5
	May-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	10
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.05	0.25
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	1.25
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.5	2.5
	August-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.5	2.5
	September-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5	25
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.1	0.5
	October-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5
		---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	50
	November-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	1.25
		---	1.35 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.5	2.5
	December-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.5	2.5
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	1.25
	February-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	50
	March-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	10
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	1.25
	April-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.1	0.5
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.51	5
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.13-0.26	0.5-1

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	---	---	---	---	---	---	---	---	---	---	---	1290	---	---	1470	---	---	---	---	---	---	---	---	---	---	20	50	
		---	---	---	---	---	---	---	---	---	2110	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	125	
	December-2022	---	1510	---	3570	---	---	---	1790	---	1830	1490	---	---	---	---	1340	1940	---	---	---	---	---	---	---	---	200	500	
		---	1840	---	---	---	---	---	---	881	---	---	---	---	---	1410	---	---	---	---	---	---	---	---	---	---	20	50	
		---	---	---	---	---	---	---	---	---	2970	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	100	
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1870	---	---	---	---	---	---	---	---	16.8	50	
	March-2023	---	---	---	---	---	---	---	---	879	1920	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33.6	100	
	April-2023	---	---	---	---	---	---	---	---	1820	---	1510	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16.8	50	
	May-2023	---	1590	---	---	---	---	---	---	1950	2910	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	100	
		---	---	---	---	---	---	---	---	---	3080	---	---	---	2750	---	---	---	---	---	---	---	---	---	---	---	100	250	
	June-2023	---	---	---	---	---	---	---	---	---	---	---	2650	---	---	---	---	---	---	---	---	---	---	---	---	---	200	500	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	100	
	July-2023	---	1670	---	---	---	---	---	2960	---	---	---	---	---	---	---	---	---	1670	---	---	---	---	---	---	2720	285	10	25
		---	---	---	---	---	2240	---	2820	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2850	---	100	250
	August-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250	
	September-2023	---	---	---	3340	---	---	---	---	---	---	---	---	---	---	---	---	---	2680	---	---	---	---	---	---	---	100	250	
		---	---	---	---	---	---	1050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1320	---	---	---	40	100	
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4630	---	---	---	---	---	---	---	100	250	
		---	---	---	---	---	---	2240	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2120	80	200	
	November-2023	---	1440	---	3290	2630	---	---	---	---	2530	---	---	1120	---	---	---	---	2270	---	---	---	3170	---	---	---	100	250	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1880	---	---	---	---	---	---	---	80	200	
	December-2023	---	---	---	3130	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250	
	January-2024	---	---	2450	---	---	---	---	---	---	3020	---	---	---	---	---	---	---	---	1890	---	---	---	---	---	---	100	250	
	February-2024	---	---	2540	---	2890	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2470	---	2970	---	---	---	100	250	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1030	50	125	
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2980	---	---	---	100	250	
		---	---	---	---	---	---	---	---	---	---	---	---	1030	---	---	---	---	---	1730	---	---	---	---	---	---	40	100	
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	125	
		---	---	---	3260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250	
	May-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	100	
		---	---	---	---	---	---	---	---	---	3120	---	---	---	---	---	---	---	---	---	---	2470	3280	---	---	---	100	250	
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1870	---	---	---	---	---	---	---	100	250	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2680	---	---	---	---	200	500	
	July-2024	---	---	---	---	---	---	---	---	---	2840	2680	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250	
	August-2024	---	---	---	---	---	1980	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1460	---	---	---	3150	---	100	250
		---	---	---	---	---	2090	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	125	
	September-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	80	200	
		---	---	---	3320	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250	
	October-2024	351	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1870	---	---	---	---	---	---	40	100	
		---	1360	---	2850	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250	
	November-2024	1070	1610	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	100	
	December-2024	---	---	---	2790	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2210	100	250	
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1960	---	---	---	---	40	100	
	February-2025	---	---	---	---	---	---	---	---	---	---	0.948	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0398	0.0995	
		---	1190	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1520	---	---	---	---	100	250	
	March-2025	---	1230	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	100	
		---	---	---	---	---	---	---	---	---	---	1920	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250	
	April-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2600	---	---	---	---	---	---	---	45.9	250	
		---	---	---	---	---	---	---	---	---	2240	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	80	200	
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2580	---	---	---	27.7	151	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2800	---	---	55.3	301	
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1720	---	---	---	---	---	---	---	45.9	250	
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45.9	250	
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2740	---	1090	45.9	50	

[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																											
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	---	---	---	---	---	---	0.3	0.27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.01	
	June-2023	---	---	---	---	---	---	---	---	---	0.26	---	0.5	---	0.14	---	---	---	---	---	---	---	---	---	---	---	0.0025	0.005	
	July-2023	---	0.23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.24	---	---	---	---	---	0.19	0.06	0.0005	0.001
	August-2023	---	---	---	---	---	---	---	0.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0025	0.005	
	September-2023	---	---	---	0.42	---	0.32	---	0.43	---	---	---	---	---	---	---	---	---	---	0.25	---	---	---	---	---	0.29	---	0.005	0.01
	October-2023	---	---	---	---	---	---	0.36	---	---	---	---	---	---	---	---	---	---	---	0.24	---	---	0.31	---	---	---	---	0.0005	0.001
	November-2023	---	0.23	---	0.33	0.53	---	0.43	---	---	0.35	---	---	0.78	---	---	---	---	0.34	---	---	0.27	---	---	---	0.2	---	0.001	0.002
	December-2023	---	---	---	0.4	---	---	---	---	---	---	---	---	---	---	---	---	0.26	---	---	---	---	---	---	---	---	0.0025	0.005	
	January-2024	---	---	0.47	---	---	---	---	---	---	0.23	---	---	---	---	---	---	---	0.24	---	---	---	---	---	---	---	0.18	0.001	0.002
	February-2024	---	---	0.68	---	0.42	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.33	---	0.23	---	---	---	0.002	0.002
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.12	---	0.001	0.002
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	0.49	---	---	---	---	---	0.18	---	---	---	---	---	---	---	0.0005	0.001
	May-2024	---	---	---	0.31	---	---	---	---	---	---	0.33	---	---	---	---	---	---	0.33	---	---	---	---	---	---	---	---	0.004	0.004
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.2	---	0.73	0.22	---	---	0.22	---	0.005	0.01
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.19	---	0.49	---	---	---	---	0.14	0.005	0.01
	August-2024	---	---	---	---	---	0.18	---	---	---	---	300	0.095	---	---	---	---	---	---	---	---	0.49	---	---	---	0.13	---	0.0025	0.005
	September-2024	---	---	---	0.27	---	0.15	---	---	---	---	---	---	---	---	---	---	---	0.19	---	---	---	---	---	---	---	---	0.005	0.01
	October-2024	0.1	0.26	---	0.24	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.18	---	---	---	---	---	---	0.005	0.01
	November-2024	0.18	0.15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.01
	December-2024	---	---	---	0.28	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.09	---	0.005	0.01
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.88	---	---	---	---	---	0.01	0.05
	February-2025	---	0.17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.73	---	---	---	---	---	0.005	0.01
March-2025	---	0.158	---	---	---	---	---	---	---	---	---	0.344	0.774 J	---	---	---	---	---	---	---	---	---	---	---	---	---	0.465	1	
April-2025	---	---	---	---	---	---	---	---	---	---	---	0.246	---	---	---	---	---	0.254	---	---	---	---	---	---	---	---	0.01	0.02	
May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.217	---	---	---	---	---	0.15	0.2	---	0.0025	0.005	
June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.322	---	---	---	---	---	---	0.003	0.02	
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.19	0.0018	0.02	
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.206	---	0.178	0.0018	0.02	

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	
	July-2023	---	---	---	---	---	---	---	---	---	---	---	---	3.01	---	---	---	---	---	---	---	---	---	---	---	---	0.217	0.001	0.005	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	0.01	
		---	0.542	---	---	---	---	---	---	2.28	---	---	---	---	---	---	---	---	---	---	0.558	---	---	---	---	---	---	0.005	0.025	
	August-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.02	---	0.005	0.025	
		---	---	---	---	---	---	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	
	December-2023	---	0.572	---	0.81	2.28	---	2.51	---	---	---	1.96	---	---	0.418	---	---	---	---	0.67	---	---	2.06	---	---	---	2.84	0.01	0.05	
	January-2024	---	---	---	0.68	---	---	---	---	---	---	---	---	---	---	---	---	---	1.36	---	---	---	---	---	---	---	---	0.005	0.025	
		---	---	---	---	---	---	---	---	---	---	1.92	---	---	---	---	---	---	---	---	0.672	---	---	---	---	---	---	0.002	0.01	
	February-2024	---	---	3.27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.91	0.005	0.025	
	March-2024	---	---	3.03	---	4.41	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.65	---	0.925	---	---	0.01	0.05	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.025	
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	0.4	---	---	---	---	0.634	---	---	---	---	---	---	---	0.001	0.005	
		---	---	---	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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.39	---	---	---	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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.88	---	---	---	---	0.01	0.05		
February-2025	---	0.633	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.48	---	---	---	---	---	0.01	0.05		
March-2025	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	0.465	0.5		
	---	0.516	---	---	---	---	---	---	---	---	---	1.05	---	---	---	---	---	2.93	---	---	---	---	---	---	---	---	0.005	0.01		
April-2025	---	---	---	---	---	---	---	---	---	---	---	1.96	---	---	---	---	---	2.95	---	---	---	---	---	---	---	---	0.005	0.01		
May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.1	1.76	---	0.005	0.025		
June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.001	0.01		
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.514	---	---	---	---	---	---	---	0.842	0.0005	0.01	
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.07	---	0.444	0.0005	0.01	

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	0.0005	0.005			
	September-2023	---	---	---	ND	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	ND	---	0.001	0.01		
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.000171 J	---	---	---	ND	---	---	---	---	0.0001	0.001		
	November-2023	---	ND	---	ND	ND	---	ND	ND	---	---	ND	---	---	ND	---	---	---	---	ND	---	---	ND	---	---	---	ND	0.0002	0.002		
	December-2023	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	0.000604 J	---	---	---	---	---	---	---	---	0.0005	0.0015		
	January-2024	---	---	ND	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	ND	0.0002	0.002		
	February-2024	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0175	---	ND	---	---	---	0.0005	0.005		
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	0.0002	0.002		
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	0.000204 J	---	---	---	---	0.000195 J	---	---	---	---	---	---	---	0.0001	0.001		
	May-2024	---	---	---	ND	---	---	---	---	---	---	ND	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.001	0.004		
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	0.0483	ND	---	---	ND	0.001	0.01		
	July-2024	---	---	---	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	ND	---	---	0.0175	---	---	---	ND	0.001	0.01		
	August-2024	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00508 J	---	---	---	0.00247 J	---	0.0005	0.005		
	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	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.0101	---	---	---	---	---	0.001	0.01		
	March-2025	---	ND	---	---	---	---	---	---	---	---	---	0.0119	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.186	0.2		
	April-2025	---	---	---	---	---	---	---	---	---	---	---	0.0284	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	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			

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	0.237	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.004	0.01	
	June-2023	---	---	---	---	---	---	---	---	0.281	0.251	---	0.191	---	0.272	---	---	---	---	---	---	---	---	---	---	---	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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0276	0.002	0.005	
	September-2023	---	---	---	1.17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.234	---	---	---	---	---	0.259	---	0.004	0.01
	October-2023	---	---	---	---	---	---	0.273	---	---	---	---	---	---	---	---	---	---	0.144	---	---	0.194	---	---	---	---	0.0004	0.001	
	November-2023	---	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	---	---	---	---	---	---	0.128	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	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.414	---	---	---	0.002	0.005
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	0.36	---	---	---	---	---	0.245	---	---	---	---	---	---	---	0.0004	0.001
	May-2024	---	---	---	0.836	---	---	---	---	---	---	---	---	---	---	---	---	---	0.228	---	---	---	---	---	---	---	---	0.004	0.01
	June-2024	---	---	---	---	---	---	---	---	---	---	0.268	---	---	---	---	---	---	---	0.226	---	0.183	0.352	---	---	---	0.11	0.004	0.01
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.226	---	0.188	---	---	---	---	0.16	0.004	0.01
	August-2024	---	---	---	---	---	0.549	---	---	---	---	---	0.252	0.246	---	---	---	---	---	---	---	---	0.185	---	---	0.233	---	0.002	0.005
	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	---	---	---	---	---	---	---	---	---	---	0.0992	---	---	---	---	---	---	---	0.196	---	---	---	---	---	0.004	0.01	
March-2025	---	0.248	---	---	---	---	---	---	---	---	---	0.199	---	---	---	---	---	0.155	---	---	---	---	---	---	---	---	0.0465	0.05	
April-2025	---	---	---	---	---	---	---	---	---	---	---	0.248	---	---	---	---	---	0.143	---	---	---	---	---	---	---	---	0.008	0.01	
May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.371	0.342	---	---	0.002	0.005	
June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.001	0.01	
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0899	0.0004	0.01	
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.303	---	0.0578	0.0004	0.01	

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	---	---	---	---	---	---	0.00269 J	---	---	---	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	---	---	---	---	---	ND	---	0.003	0.01			
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00361	---	---	0.000609 J	---	---	---	---	0.0003	0.001			
	November-2023	---	0.00607	---	0.00352	0.0212	---	0.00806	---	---	---	ND	---	---	0.00341	---	---	---	0.00387	---	---	---	ND	---	---	ND	0.0006	0.002			
	December-2023	---	---	---	0.00184	---	---	0.00756	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.003	0.003		
	January-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0034	---	---	---	---	---	---	---	---	0.0015	0.0015		
	February-2024	---	---	ND	---	---	---	---	---	---	---	0.019	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0006	0.002		
	March-2024	---	---	ND	---	0.00201	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	ND	---	---	---	0.0015	0.002	
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00115 J	---	0.0006	0.002		
	May-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00184 J	---	---	---	0.0015	0.005		
	June-2024	---	---	---	ND	---	---	---	---	---	---	---	---	---	0.00443	---	---	---	---	0.004	---	---	---	---	---	---	---	0.0003	0.001		
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.003	0.004		
	August-2024	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.00486 J	---	0.00688 J	ND	---	---	---	ND	0.003	0.01		
	September-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00409 J	---	---	ND	---	---	---	---	0.003	0.01		
	October-2024	---	---	---	---	---	---	---	---	---	---	0.398	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0015	0.005		
	November-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	0.003	0.01		
	December-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.003	0.01		
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.003	0.01		
	February-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.003	0.01	
	March-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0465	0.05	
	April-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.008	0.01	
May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.008	0.01		
June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0015	0.005		
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	0.01		
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0076 J	0.0017	0.01		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0049 J	0.0017	0.01	

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	---	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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	0.005	0.005
	September-2023	---	---	---	0.12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	0.013	---	0.01	0.01
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0036	---	---	0.0034	---	---	---	---	0.001	0.001	
	November-2023	---	ND	---	0.13	0.0046	---	0.0077	---	---	---	ND	---	---	ND	---	---	---	---	0.0032	---	---	0.0043	---	---	---	ND	0.002	0.002
	December-2023	---	---	---	0.16	---	---	---	---	---	---	---	---	---	---	---	---	---	0.002	---	---	---	---	---	---	---	---	0.002	0.002
	January-2024	---	---	ND	---	---	---	---	---	---	0.0081	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	0.0015	0.0015
	February-2024	---	---	0.0065	---	0.01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.051	---	0.012	---	---	---	0.005	0.005
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	0.002	0.002
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	0.0013	---	---	---	---	0.0025	---	---	---	---	---	---	---	---	0.005	0.005
	May-2024	---	---	---	0.13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.001	0.001
	June-2024	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	ND	---	---	0.11	ND	---	---	---	ND	0.004	0.004
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	0.024	---	---	---	---	---	0.01	0.01
	August-2024	---	---	---	---	---	0.031	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.005
	September-2024	---	---	---	0.098	---	0.057	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.01	0.01
	October-2024	ND	ND	---	0.12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	0.01	0.01
	November-2024	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.01
	December-2024	---	---	---	0.18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.01	0.01
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	0.002	0.002
	February-2025	---	ND	---	---	---	---	---	---	---	---	---	---	0.0561	---	---	---	---	---	---	---	0.02	---	---	---	---	---	0.01	0.01
	March-2025	---	0.0113	---	---	---	---	---	---	---	---	---	0.0816	---	---	---	---	---	0.0229	---	---	---	---	---	---	---	---	0.0465	0.05
	April-2025	---	---	---	---	---	---	---	---	---	---	---	0.132	---	---	---	---	---	0.0207	---	---	---	---	---	---	---	---	0.006	0.01
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.006	0.01
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.016	0.049	---	---	0.005	0.005
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0079 J	---	---	---	---	---	---	---	0.003	0.01
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.087	---	0.0233	0.0018
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.087	---	0.0142	0.0018	0.01

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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.02029	0.005	0.005			
	September-2023	---	---	---	0.5152	---	---	---	---	---	---	---	---	---	---	---	---	---	0.2387	---	---	---	---	---	0.0513	---	0.01	0.01			
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	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	---	---	---	---	---	0.0326	0.002	0.002			
	February-2024	---	---	0.07945	---	0.07013	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.09174	---	0.06183	---	---	0.005	0.005			
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.02232	0.002	0.002				
	April-2024	---	---	---	---	---	---	---	---	---	---	---	0.1319	---	---	---	---	---	0.196	---	---	---	---	---	---	---	0.001	0.001			
	May-2024	---	---	---	0.3136	---	---	---	---	---	---	---	---	---	---	---	---	0.1139	---	0.2065	---	0.07835	0.09235	---	---	0.02884	0.01	0.01			
	June-2024	---	---	---	---	---	---	---	---	---	---	0.0538	---	---	---	---	---	---	---	0.211	---	0.07664	---	---	---	0.03166	0.01	0.01			
	July-2024	---	---	---	---	---	---	---	---	---	---	---	0.1917	0.03634	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.005			
	August-2024	---	---	---	---	---	0.1008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0822	---	---	---	0.02104	---	0.01	0.01		
	September-2024	---	---	---	0.396	---	0.1138	---	---	---	---	---	---	---	---	---	---	---	0.08772	---	---	---	---	---	---	---	0.01	0.01			
	October-2024	0.07251	0.115	---	0.3536	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.05751	---	---	---	---	---	0.01	0.01			
	November-2024	0.03879	0.09665	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	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	---	---	---	---	---	0.0818	---	---	---	---	---	---	---	0.0465	0.05			
	April-2025	---	---	---	---	---	---	---	---	---	---	---	0.0161	---	---	---	---	---	0.0713	---	---	---	---	---	---	---	0.007	0.01			
May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.07897	0.03695	---	0.005	0.005				
June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.1796	---	---	---	---	---	---	0.001	0.01				
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0145	0.0005	0.01				
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0925	---	0.0393	0.0005	0.01			

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	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	0.00425	0.005
	September-2023	---	---	---	ND	---	ND	---	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	0.0017	0.002
	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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00627	---	---	---	0.00425	0.005
	April-2024	---	---	---	ND	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	0.000929 J	---	---	---	---	---	---	---	0.00085	0.001
	May-2024	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	ND	---	ND	ND	---	---	---	ND	0.0085	0.01
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	ND	---	---	---	---	---	0.0085	0.01
	July-2024	---	---	---	---	---	---	---	---	---	---	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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.04	0.05
May-2025	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	ND	ND	---	0.00425	0.005	
June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.008	0.05	
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0069	0.05	
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	ND	0.0069	0.05	

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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	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	0.0003	0.005	
	September-2023	---	---	---	ND	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	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	---	---	---	ND	0.00012	0.002
	December-2023	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.00025	0.001
	January-2024	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	ND	0.00012	0.002
	February-2024	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0003	0.005
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	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	ND	---	---	ND	0.0004	0.001
	July-2024	---	---	---	---	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	ND	---	---	ND	---	---	---	ND	0.0006	0.01
	August-2024	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	ND	---	0.0003	0.0005
	September-2024	---	---	---	ND	---	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	---	---	---	---	---	---	---	---	ND	---	---	---	---	0.0006	0.01
	March-2025	---	ND	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.00232	0.0025
	April-2025	---	---	---	---	---	---	---	---	---	---	---	0.007 J	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.005	0.01
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	ND	ND	---	0.0003	0.005
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	0.002	0.01
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0009 J	0.0004	0.01
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	0.0008 J	0.0004	0.01

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	
		---	---	---	---	---	---	---	---	---	---	0.414	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.025	0.05	
	May-2023	---	0.079	---	---	---	---	---	---	0.0635	0.0519	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0125	0.025	
	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
		---	---	---	---	---	---	---	2.03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0125	0.025	
	August-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.112	0.0125	0.025	
		---	---	---	---	---	---	---	1.71	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.914	---	0.025	0.05	
	September-2023	---	---	---	---	---	5.92	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.05	0.1	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0788	---	---	---	---	---	---	---	0.025	0.05	
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0622	---	---	---	---	---	---	0.0025	0.005	
		---	---	---	---	---	---	0.203	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.01	
	November-2023	---	0.0471 J	---	---	0.0534	---	0.74	---	---	0.053	---	---	0.0618	---	---	---	---	---	0.0722	---	---	0.845	---	---	0.0313 J	0.025	0.05	
		---	---	---	30.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	0.5	
	December-2023	---	---	---	52.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	0.5	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.061	---	---	---	---	---	---	---	0.005	0.01	
	January-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0462	---	---	---	---	---	---	---	---	0.025	0.025	
		---	---	---	---	---	---	---	---	---	0.0974	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.025	0.025		
	February-2024	---	---	0.0879	---	0.0554	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.475	---	0.809	---	---	0.0125	0.025	
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0342	0.005	0.01	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.09	---	---	---	0.0125	0.025	
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	0.0565	---	---	---	---	0.0539	---	---	---	---	---	---	---	0.0025	0.005	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0394	---	---	---	---	---	---	---	0.02	0.02	
	May-2024	---	---	---	24.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	0.5	
	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	---	---	---	---	---	---	---	---	---	0.512	---	---	0.417	---	0.0125	0.025	
	September-2024	---	---	---	0.212	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0025	0.005	
		---	---	---	---	---	3.68	---	---	---	---	---	---	---	---	---	---	0.111	---	---	---	---	---	---	---	---	0.025	0.05	
	October-2024	0.266	0.077	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.342	---	---	---	---	---	---	0.025	0.05	
	November-2024	---	---	---	20.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	0.5	
		0.0325 J	0.0367 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.025	0.05	
	December-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0696	0.025	0.05	
		---	---	---	14.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.25	0.5	
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	0.002	0.002	
	February-2025	---	0.0405 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.527	---	---	---	---	0.025	0.05	
		---	---	---	---	---	---	---	---	---	---	---	0.136	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0465	0.05	
	March-2025	---	0.0415	---	---	---	---	---	---	---	---	0.155	---	---	---	---	---	0.0277	---	---	---	---	---	---	---	---	0.01	0.01	
	April-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0297	---	---	---	---	---	---	---	---	0.01	0.01	
		---	---	---	---	---	---	---	---	---	---	0.366	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.05	0.05	
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.1	1.55	---	0.0125	0.025	
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0455	---	---	---	---	---	---	---	0.007	0.01	
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0246	0.0032	0.01	
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.92	---	0.0318	0.0004-0.0006	0.02-0.03	

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																													
VOLATILE FATTY ACIDS (mg/L)																															
Acetic Acid	November-2022	---	---	---	---	---	---	---	---	---	---	---	1600	---	---	---	---	---	---	---	---	---	---	---	---	---	25	100			
		---	---	---	---	---	---	---	---	---	3500	---	---	---	---	150 J	---	---	---	---	---	---	---	---	---	---	62	250			
	December-2022	---	1800	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	62	250			
	January-2023	---	ND	---	---	---	---	---	---	ND	4400	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	500		
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	500		
	March-2023	---	---	---	---	---	---	---	---	ND	640	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500		
	April-2023	---	---	---	---	---	---	---	---	1200	520	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	370	500		
	May-2023	---	990	---	---	---	---	---	---	1800	3000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	370	500		
	June-2023	---	---	---	---	---	---	---	---	---	5900	---	4100	---	5000	---	---	---	---	---	---	---	---	---	---	---	---	750	1000		
	July-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	150	200	
		---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	370	500	
	August-2023	---	---	---	---	---	3300	---	5300	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4200	ND	---	500		
	September-2023	---	---	---	7400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	370	500	
	October-2023	---	---	---	---	---	---	3200	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	4100	---	---	---	---	---	370	500	
	November-2023	---	ND	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	ND	---	---	---	---	---	---	4160	250	500		
		---	---	---	---	4950	---	6650	---	---	---	5350	---	---	---	---	---	---	---	---	---	---	7300	---	---	---	---	---	500	1000	
	December-2023	---	---	---	9900	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1000	2000		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	660	---	---	---	---	---	---	---	---	---	---	100	
	January-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	
		---	---	---	11200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
	February-2024	---	---	4410	---	---	---	---	---	---	5290	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3080	---	250		
	March-2024	---	---	3130	---	3530	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3530	---	6770	---	---	---	---	---	500	
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1000	
	May-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	100	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1250	
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	
	August-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250
	September-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1250
	October-2024	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50
		---	260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100
	November-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250
		---	---	---	9410	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1250
	December-2024	960	230	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200
	January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200
	February-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	400
	March-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100
	April-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500

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																												
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	---	---	---	---	---	---	---	---	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	
	April-2023	---	---	---	---	---	---	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	330	500	
	May-2023	---	ND	---	---	---	---	---	---	ND	1200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	330	500	
	June-2023	---	---	---	---	---	---	---	---	---	2500	---	1500	---	2900	---	---	---	---	---	---	---	---	---	---	---	---	650	1000	
	July-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	130	200	
		---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	330	500
		---	---	---	---	---	---	---	2800	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	650	650	1000	
	August-2023	---	---	---	---	---	1400	---	1700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1600	ND	---	500	
	September-2023	---	---	---	3100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	330	500	
	October-2023	---	---	---	---	---	---	1200	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	2000	---	---	---	---	330	500	
	November-2023	---	ND	---	---	1670	---	1760	---	---	---	1370	---	---	ND	---	---	---	---	ND	---	---	2730	---	---	---	740	250	500	
		---	---	---	3420	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	1000	
		December-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	336	---	---	---	---	---	---	---	---	---	---	100
	January-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	250
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1000
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	February-2024	---	---	813	---	---	---	---	---	---	1230	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	594	---	250	
	March-2024	---	---	583	---	1170	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100
		---	---	---	3120	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	250
	May-2024	---	---	---	---	---	---	---	---	---	1190	---	---	---	---	---	---	---	---	ND	---	984	2370	---	---	---	448	---	250	
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	1190	---	---	---	---	1030	---	100	
	July-2024	---	---	---	---	---	---	---	---	---	2400	2360	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
	August-2024	---	---	---	---	---	1630	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1180	---	---	---	1930	---	---	500	
	September-2024	---	---	---	3550	---	2060	---	---	---	---	---	---	---	---	---	---	---	670	---	---	---	---	---	---	---	---	---	250	
	October-2024	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50
		---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1630	---	---	---	---	---	---	---	250
	November-2024	480	ND	---	3070	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1250
December-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2200	---	200		
	---	---	---	4600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	400	
January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1100	---	---	---	---	---	---	100		
May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2220	2160	---	---	70.3	500		
June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	0.7	5	
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	575	7	50
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2200	---	338	7-70.3	50-500	

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	
		---	---	---	---	---	---	---	---	---	ND	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	27	250	
	December-2022	---	90 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27	250	
	November-2023	---	ND	---	---	968	---	1800	---	---	969	---	---	ND	---	---	---	---	ND	---	---	1170	---	---	---	324	250	500	
		---	---	---	6030	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	1000	
	December-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	100	250	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	1000	
	January-2024	---	---	629	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	256	---	250	
	February-2024	---	---	334	---	180	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	756	---	1650	---	---	---	---	500	
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	20	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	ND	---	---	---	---	---	---	---	---	100	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	250	
		---	---	---	5120	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1250	
	May-2024	---	---	---	---	---	---	---	---	---	1160	---	---	---	---	---	---	---	---	ND	---	1170	1730	---	---	---	---	250	
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	706	---	---	---	246	---	100	
	July-2024	---	---	---	---	---	---	---	---	---	---	1220	1210	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
	August-2024	---	---	---	---	---	2270	---	---	---	---	---	---	---	---	---	---	---	---	---	---	593	---	---	---	959	---	---	500
	September-2024	---	---	---	---	---	2550	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	250
		---	---	---	5510	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1250
	October-2024	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50
		---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2590	---	---	---	---	---	---	---	250
		---	---	---	5630	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1250
	November-2024	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200
	December-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200
		---	---	---	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	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1100	---	---	55.7	500

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	---	---	---	---	---	---	---	---	---	1600	---	620	---	---	73 J	---	---	---	---	---	---	---	---	---	---	11	100		
	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	
		---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	340	500	
	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	
	December-2023	---	---	---	2580	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	1000	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	996	---	---	---	---	---	---	---	---	---	100	
	January-2024	---	---	---	2280	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
		---	---	1680	---	---	---	---	---	---	---	1970	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1030	---	1000	
	February-2024	---	---	1210	---	1510	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1980	---	2900	---	---	---	---	500	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20		
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	
	May-2024	---	---	---	2300	---	---	---	---	---	---	---	---	---	---	---	---	---	1150	---	---	---	---	---	---	---	---	---	100	
	June-2024	---	---	---	---	---	---	---	---	---	---	1730	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	
	August-2024	---	---	---	---	---	1320	---	---	---	---	2500	2470	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
	September-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	
	October-2024	---	---	---	2640	---	1690	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
		ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	
	November-2024	---	275	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	
		---	---	---	2240	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1250	
	December-2024	1300	310	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	
	January-2025	---	---	---	4200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	400	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	
	May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1800	---	2570	2560	---	---	57.3	500	
	June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5	
	July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	
	August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	
	Pyruvic Acid	November-2022	---	---	---	---	---	---	---	---	---	---	---	46 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12	100
		December-2022	---	---	---	---	---	---	---	---	---	98 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30	250
December-2022		---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30	250	
November-2023		---	ND	---	---	ND	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500		
December-2023		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1000	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	
January-2024		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250		
February-2024		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250		
March-2024		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	
April-2024		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	
May-2024		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	
June-2024		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
July-2024		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	
August-2024		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	
September-2024		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	250	

Historical LFG-EW Leachate Monitoring Results Summary

[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																													
Acetone	November-2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4420	---	---	---	---	---	---	---	---	---	---	70	100			
	December-2022	---	---	---	---	---	---	---	---	---	16100	---	38300	---	---	---	---	---	---	---	---	---	---	---	---	---	700	1000			
		---	8500	---	---	---	---	---	---	---	---	15600	5170	---	---	---	---	---	9800	---	---	---	---	---	---	---	700	1000			
		---	---	---	53100	---	---	---	---	49900	---	---	---	---	---	---	---	45600	---	---	---	---	---	---	---	---	---	700	1000		
	January-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	70	100			
		---	---	---	---	---	---	---	---	---	---	22200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	700	1000			
		---	8130	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1750	2500			
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	23900	---	---	---	---	---	---	---	---	1400	2000			
	March-2023	---	---	---	---	---	---	---	---	---	375	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	70	100			
		---	---	---	---	---	---	---	---	---	---	6810	---	---	---	---	---	---	---	---	---	---	---	---	---	---	700	1000			
	April-2023	---	---	---	---	---	---	---	---	---	8290	---	7560	---	---	---	---	---	---	---	---	---	---	---	---	---	1750	2500			
	May-2023	---	10700	---	---	---	---	---	---	---	11700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	350	500		
		---	---	---	---	---	---	---	---	---	---	29600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1750	2500			
	June-2023	---	---	---	---	---	---	---	---	---	---	29600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1750	2500		
		---	---	---	---	---	---	---	---	---	---	---	---	61800	---	50800	---	---	---	---	---	---	---	---	---	---	3500	5000			
	July-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	140	200		
		---	9780	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	700	1000		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1750	2500		
	August-2023	---	---	---	---	---	---	---	---	77200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	69700	7000	10000		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	700	1000		
		---	---	---	---	---	---	---	---	18700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1750	2500		
	September-2023	---	---	---	---	---	72500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	87700	---	3500	5000		
		---	---	---	40100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	188 J	---	---	---	---	---	---	---	140	200		
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1750	2500		
		---	---	---	---	---	---	---	66900	---	---	---	---	---	---	---	---	---	---	---	79	---	---	---	---	---	---	35	50		
	November-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3500	5000		
		---	5560	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	70	100		
		---	---	---	64700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1750	2500		
	December-2023	---	---	---	---	43100	---	61100	---	---	36800	---	---	32800	---	---	---	---	---	---	---	---	---	---	---	---	67800	3500	5000		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	140	200		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	350	500		
	January-2024	---	---	96600	---	---	---	---	---	---	22800	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1750	2500		
	February-2024	---	---	81600	---	70200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45600	---	63100	---	---	3500	5000			
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3500	5000			
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	70	100		
		---	---	---	---	---	---	---	---	---	---	---	---	24300	---	---	---	---	---	---	---	---	---	---	---	---	---	1750	2500		
		---	---	---	95300	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3500	5000		
	May-2024	---	---	---	---	---	---	---	---	---	---	63200	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	140	200		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	39000	91300	---	---	33300	3500	5000		
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	140	200		
July-2024	---	---	---	---	---	---	---	---	---	---	32200	52600	---	---	---	---	---	---	---	---	---	94400	---	---	---	84400	35000	50000			
August-2024	---	---	---	---	---	---	57700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3500	5000			
September-2024	---	---	---	59800	---	44500	---	---	---	---	---	---	---	---	---	---	---	69300	---	---	---	---	---	---	---	---	3500	5000			
October-2024	---	30.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7	10			
	---	5230	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	140	200			
	---	---	---	49800	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3500	5000			
November-2024	---	8680	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	350	500			
	44400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1750	2500			
December-2024	---	---	---	51700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	69700	1400	2000			
January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3500	5000			
February-2025	---	9820	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	700	1000			
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3500	5000			
March-2025	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	49000	98000			
	---	4460	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	350	500			
	---	---	---	---	---	---	---	---	---	---	---	72600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3500	5000			
April-2025	---	---	---	---	---	---	---	---	---	---	61200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3500	5000			
May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3500	5000			
June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	140	200			
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	31100	1400	2000		
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	36000 B	---	89600	3500	5000

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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	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			
	July-2023	---	824	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	80.8	---	---	---	---	---	---	---	---	8	20		
		---	---	---	---	---	---	---	4050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1420	---	20	50		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11800	100	250			
	August-2023	---	---	---	---	---	2320	---	168	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	379	8	20		
	September-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	193	---	---	---	---	---	---	---	20	50		
		---	---	---	468	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20		
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	399	---	---	---	---	---	---	---	2	5		
	November-2023	---	---	---	---	---	---	576	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3100	---	---	---	---	20	50		
		---	80.8	---	---	---	---	---	---	---	---	---	---	31.3	---	---	---	---	---	---	---	---	---	---	---	---	---	2	5		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	323	---	---	---	---	---	---	---	4	10		
		---	---	---	---	1070	---	654	---	---	982	---	---	---	---	---	---	---	---	---	---	---	1960	---	---	---	1190	20	50		
	December-2023	---	---	---	870	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	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		
	April-2024	---	---	---	2040	---	---	---	---	---	---	---	---	---	52.1	---	---	---	---	13.8	---	---	---	---	---	---	---	4	10		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3420	---	---	---	---	---	---	---	20	50		
	May-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	276	---	---	---	---	---	---	---	8	20		
		---	---	---	---	---	---	---	---	---	---	3080	---	---	---	---	---	---	---	---	---	---	144	818	---	---	2990	20	50		
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	173	---	---	---	---	---	---	---	8	20		
July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	210	---	---	---	2740	20	50			
August-2024	---	---	---	---	---	828	---	---	---	---	1410	1820	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50			
September-2024	---	---	---	960	---	727	---	---	---	---	---	---	---	---	---	---	---	2710	---	---	---	---	---	---	---	---	20	50			
	306	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.4	1				
October-2024	---	429	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	5			
	---	---	---	1200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	828	---	---	---	---	---	---	20	50			
November-2024	119	512	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20			
December-2024	---	---	---	675	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3280	20	50			
January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	588	---	---	---	---	20	50			
February-2025	---	739	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20			
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	443	---	---	---	---	20	50			
March-2025	---	157	---	---	---	---	---	---	---	---	---	559000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24500	24500			
April-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50			
May-2025	---	---	---	---	---	---	---	---	---	---	---	1260	---	---	---	---	---	2350	---	---	---	---	---	---	---	---	20	50			
June-2025	---	---	---	---	---	---	---	---	---	---	---	938	---	---	---	---	---	1540	---	---	---	---	---	---	---	---	20	50			
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	97.4	---	---	---	---	---	---	8	20			
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1930	20	50			
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	112	---	1300	20	50

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
		---	---	---	---	---	---	---	---	---	---	---	98	---	116	---	---	---	---	---	---	---	---	---	---	---	---	20	50
	July-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	666	4	10
		---	128	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	82	---	---	---	---	---	---	---	8	20
	August-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50
		---	---	---	---	---	---	80	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	8	20
	September-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.8	---	---	---	---	---	---	---	20	50
		---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34.8	---	---	---	---	---	---	---	2	5
		---	---	---	---	---	---	---	42.5 J	---	---	---	---	---	---	---	---	---	---	---	---	---	247	---	---	---	---	20	50
	November-2023	---	26.3	---	---	---	---	---	---	---	---	---	---	---	45.4	---	---	---	---	---	---	---	---	---	---	---	---	2	5
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	26.9	---	---	---	---	---	---	---	4	10
		---	---	---	---	62	---	54	---	---	---	76.5	---	---	---	---	---	---	---	---	---	---	224	---	---	60.5	---	20	50
	December-2023	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	250
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	46	---	---	---	---	---	---	---	8	20
	January-2024	---	---	---	69.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44 J	---	---	---	---	---	---	---	20	50
	February-2024	---	---	99	---	---	---	---	---	---	---	28 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	248	20	50
	March-2024	---	---	51	---	43 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	31 J	---	41 J	---	---	---	20	50
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25 J	---	---	710	20	50
	May-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	4	10
		---	---	---	91.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	186	---	---	---	---	---	---	---	20	50
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50
July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20	
August-2024	---	---	---	---	---	---	---	---	---	---	76	118	---	---	---	---	---	---	---	---	---	---	---	---	---	---	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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50	
	14.4 J	135	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20	
December-2024	---	---	---	52.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50	
January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50	
February-2025	---	164	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50	
March-2025	---	61.5	---	---	---	---	---	---	---	---	---	2090000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24500	24500	
April-2025	---	---	---	---	---	---	---	---	---	---	---	168	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50	
May-2025	---	---	---	---	---	---	---	---	---	---	---	52.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50	
June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	20	
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	50	
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	20	50	

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					
Parameter	Monitoring Event	Concentration																								LOD	LOG				
Tetrahydrofuran	November-2022	---	---	---	---	---	---	---	---	---	309	---	---	---	---	176	---	---	---	---	---	---	---	---	---	100	100				
	December-2022	---	151	---	---	---	---	---	---	---	---	170	1120	---	---	---	---	---	663	---	---	---	---	---	---	---	1000	1000			
		---	---	---	---	5210	---	---	---	19800	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	100			
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1000	1000			
	January-2023	---	183	---	---	---	---	---	---	566	1810	---	---	---	---	352	---	---	---	---	---	---	---	---	---	---	100	100			
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3760	---	---	---	---	---	---	---	---	2000	2000			
	March-2023	---	---	---	---	---	---	---	---	---	353	464	---	---	---	---	---	---	---	---	---	---	---	---	---	---	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	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2960	100	100
		---	411	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	616	---	---	---	---	---	---	---	---	200	200	
	August-2023	---	---	---	---	---	---	---	---	8380	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	500	
		---	---	---	---	---	7370	---	3210	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	200	
	September-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	500	
		---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	200	
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2500	2500	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	50	
		---	---	---	---	---	---	---	4870	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	500	
	November-2023	---	199	---	---	---	---	---	---	---	---	---	---	---	325	---	---	---	---	---	---	---	---	---	---	---	---	---	50	50	
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	100		
		---	---	---	---	4780	---	3320	---	---	---	785	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	500	500		
		---	---	---																											

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	
		---	248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	107	---	---	---	---	---	---	---	10	20
	August-2023	---	---	---	---	---	---	---	218	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	118	25	50
		---	---	---	---	---	105	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	10	20
	September-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40.6	---	---	---	---	---	---	---	25	50
		---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	20
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	59.2	---	---	---	---	---	---	---	2.5	5
		---	---	---	---	---	---	37 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	235	---	---	---	---	25	50
	November-2023	---	47.3	---	---	---	---	---	---	---	---	---	---	50.4	---	---	---	---	---	---	---	---	---	---	---	---	---	2.5	5
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	48.7	---	---	---	---	---	---	---	5	10
		---	---	---	---	62.5	---	51.5	---	---	---	114	---	---	---	---	---	---	---	---	---	---	167	---	---	114	25	50	
	December-2023	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	125	250
		---	---	---	---	83.5	---	---	---	---	---	---	---	---	---	---	---	---	---	73.2	---	---	---	---	---	---	---	10	20
	January-2024	---	---	95.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	74.5	---	---	---	---	---	---	---	25	50
	February-2024	---	---	49 J	---	37 J	---	---	---	---	---	60	---	---	---	---	---	---	---	---	---	---	ND	---	30.5 J	---	---	25	50
	March-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	50
	April-2024	---	---	---	---	---	---	---	---	---	---	---	---	90.1	---	---	---	---	---	---	ND	---	---	---	---	---	---	5	10
		---	---	---	104	---	---	---	---	---	---	---	---	---	---	---	---	---	---	263	---	---	---	---	---	---	---	25	50
	May-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	53.8	---	---	---	---	---	---	---	10	20
		---	---	---	---	---	---	---	---	---	---	180	---	---	---	---	---	---	---	---	---	---	ND	62.5	---	---	---	25	50
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34.6	---	---	---	---	---	---	---	10	20
---		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	25	50	
July-2024	---	---	---	---	---	---	---	---	---	97	125	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	50	
August-2024	---	---	---	---	---	35 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25 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	
	44.6	245	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	20	
December-2024	---	---	---	42 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	288	25	50	
January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	50	
February-2025	---	271	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	20	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	50	
March-2025	---	90.5	---	---	---	---	---	---	---	---	---	537000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24500	24500	
April-2025	---	---	---	---	---	---	---	---	---	---	---	150	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	50	
May-2025	---	---	---	---	---	---	---	---	---	---	---	51	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	50	
June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	20	
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40.2	---	---	---	---	---	---	25	50	
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	50	

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	
	February-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	240	---	---	---	---	---	---	---	---	10	30	
	March-2023	---	---	---	---	---	---	---	---	240	111	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	30	
	April-2023	---	---	---	---	---	---	---	---	329	---	97.4	---	---	---	---	---	---	---	---	---	---	---	---	---	10	30	
	May-2023	---	274	---	---	---	---	---	---	441	230	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150	
	June-2023	---	---	---	---	---	---	---	---	---	177	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	60
		---	---	---	---	---	---	---	---	---	---	---	92 J	---	136 J	---	---	---	---	---	---	---	---	---	---	---	50	150
	July-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1130	---	10	30
		---	257	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	74.4	---	---	---	---	---	---	---	20	60
	August-2023	---	---	---	---	---	---	---	230	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
		---	---	---	---	---	180	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	20	60
	September-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	50	150
		---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	60
	October-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30.6	---	---	---	---	---	---	---	250	750
		---	---	---	---	---	---	134 J	---	---	---	---	---	---	---	---	---	---	---	---	---	328	---	---	---	---	5	15
	November-2023	---	56	---	---	---	---	---	---	---	---	---	---	48	---	---	---	---	---	---	---	---	---	---	---	---	50	150
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25.3 J	---	---	---	---	---	---	---	5	15
		---	---	---	---	116 J	---	104 J	---	---	132 J	---	---	---	---	---	---	---	---	---	---	306	---	---	---	138 J	10	30
	December-2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
		---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	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	---	---	---	---	---	---	---	---	---	---	---	---	---	352	---	---	---	---	---	---	---	20	60
	May-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	31.6 J	---	---	---	---	---	---	50	150
		---	---	---	---	---	---	---	---	---	223	---	---	---	---	---	---	---	---	---	---	ND	105 J	---	---	---	400	50
	June-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	60
	July-2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
	August-2024	---	---	---	---	---	72.5 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150
	September-2024	---	---	---	90.5 J	---	120 J	---	---	---	---	---	---	---	---	---	---	---	368	---	---	---	---	---	---	---	50	150
	October-2024	54.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	3
		---	201	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5	15
	November-2024	---	---	---	144 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	75.5 J	---	---	---	---	---	---	50
ND		223	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	60	
December-2024	---	---	---	98.5 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150	
January-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150	
February-2025	---	267	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	60	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150	
March-2025	---	108 J	---	---	---	---	---	---	---	---	386	4260000	---	---	---	---	---	---	---	---	---	---	---	---	---	24500	24500	
April-2025	---	---	---	---	---	---	---	---	---	---	87.5 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	150	
May-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	---	50	150	
June-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	60	
July-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	29.6 J	---	---	---	---	---	---	---	50	150	
August-2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	458	50	150

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

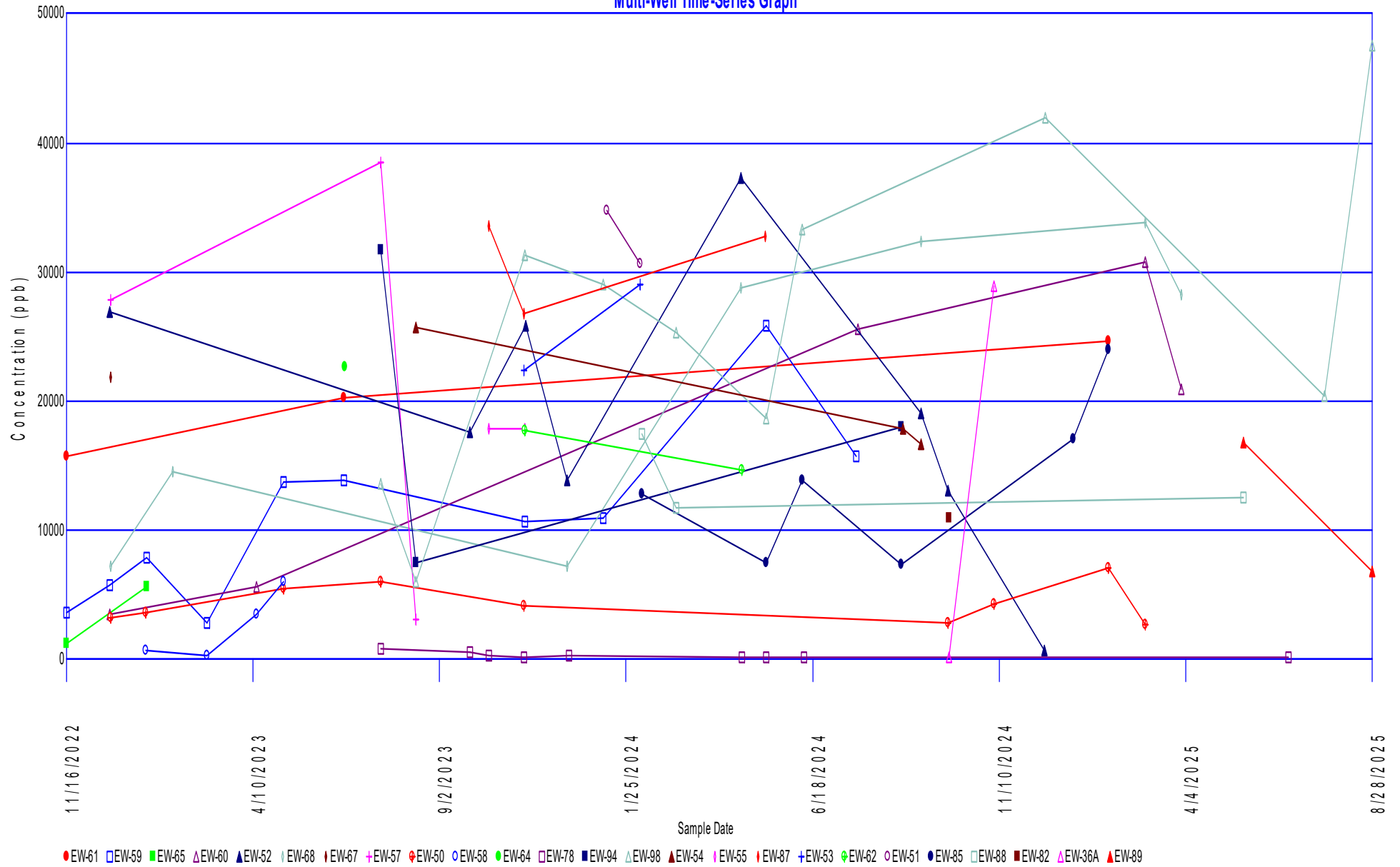
LOQ = laboratory's Limit of Quantitation

mg/L = milligrams per liter

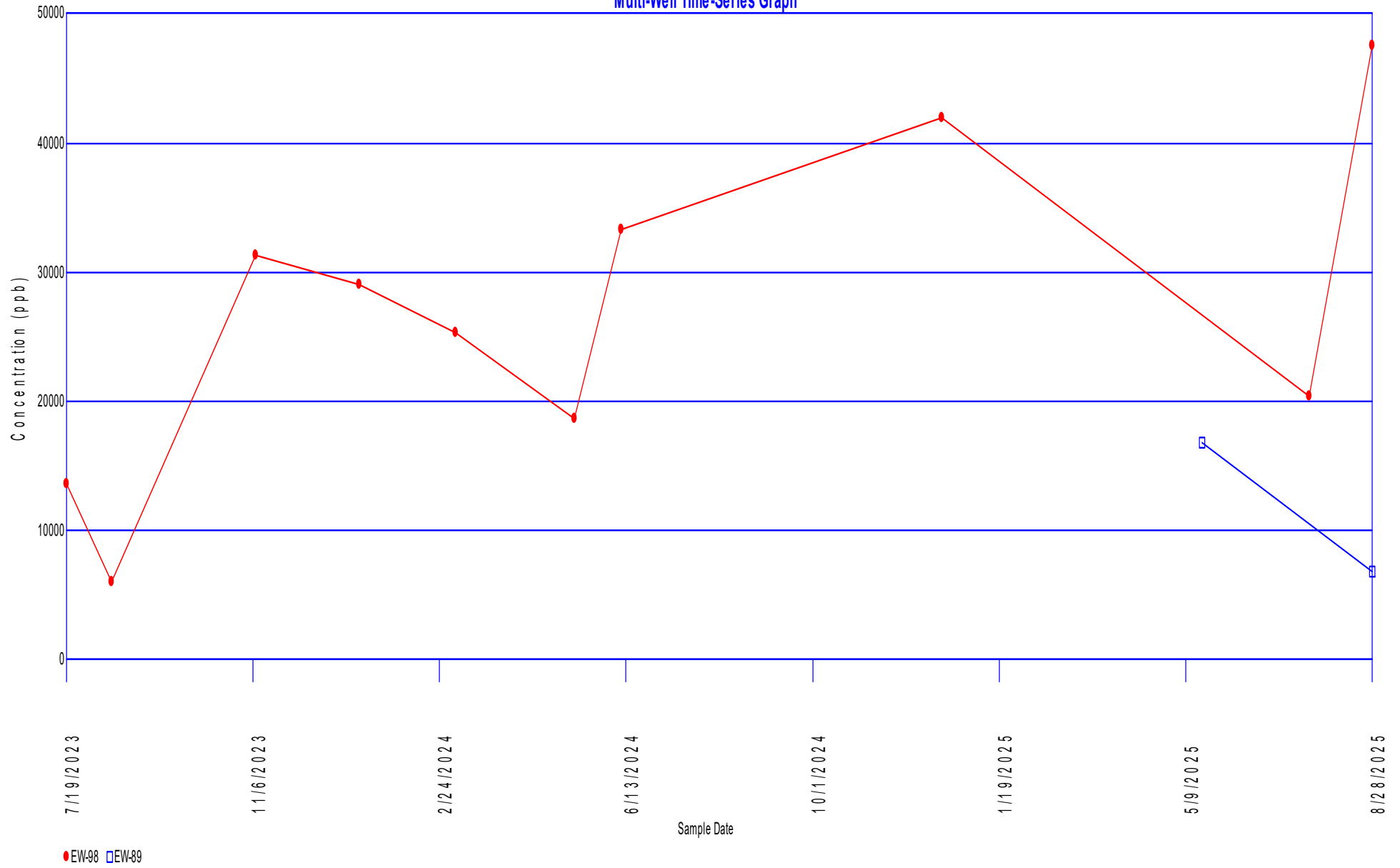
ND = Not Detected

ug/L = micrograms per liter

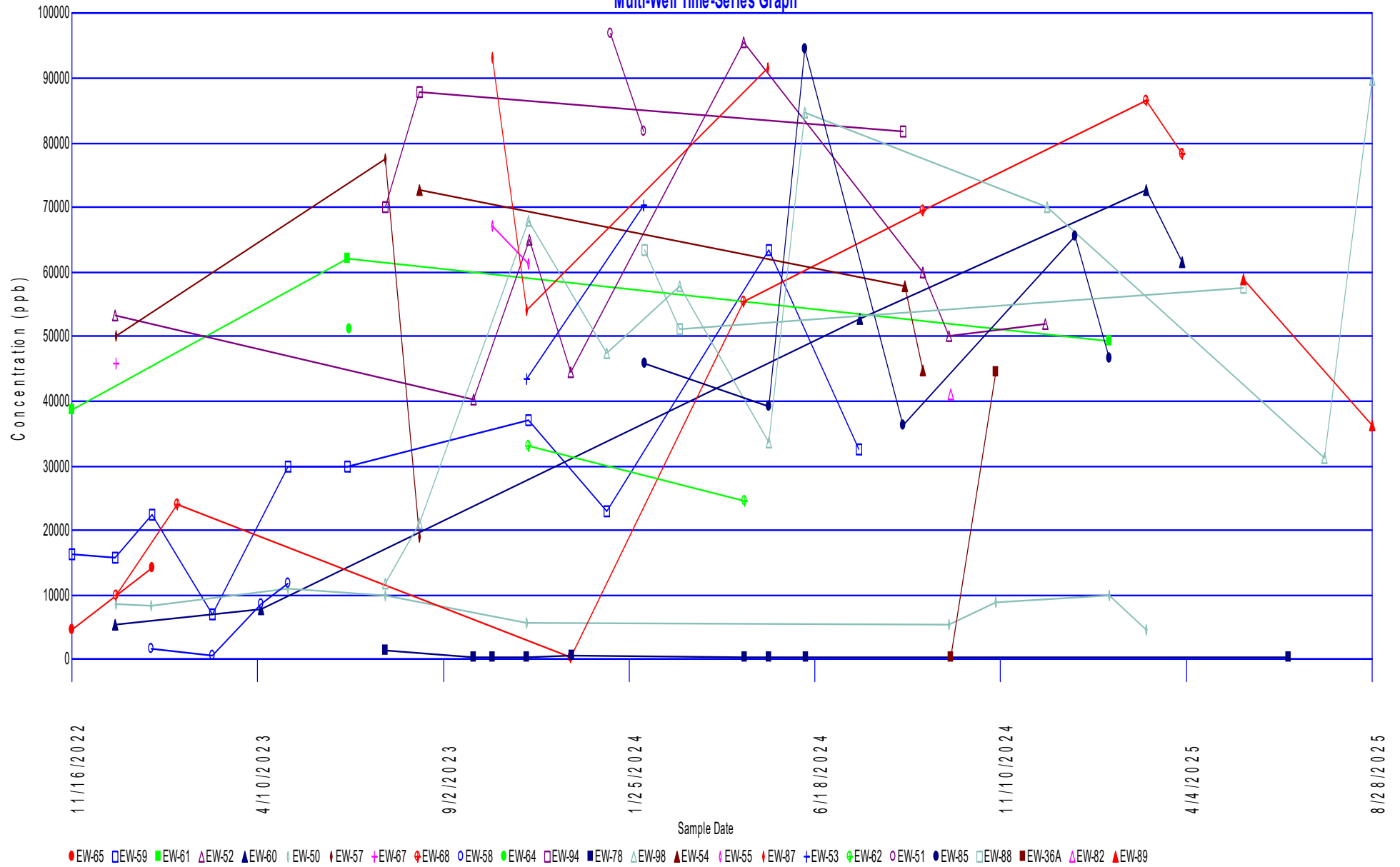
2-Butanone Multi-Well Time-Series Graph



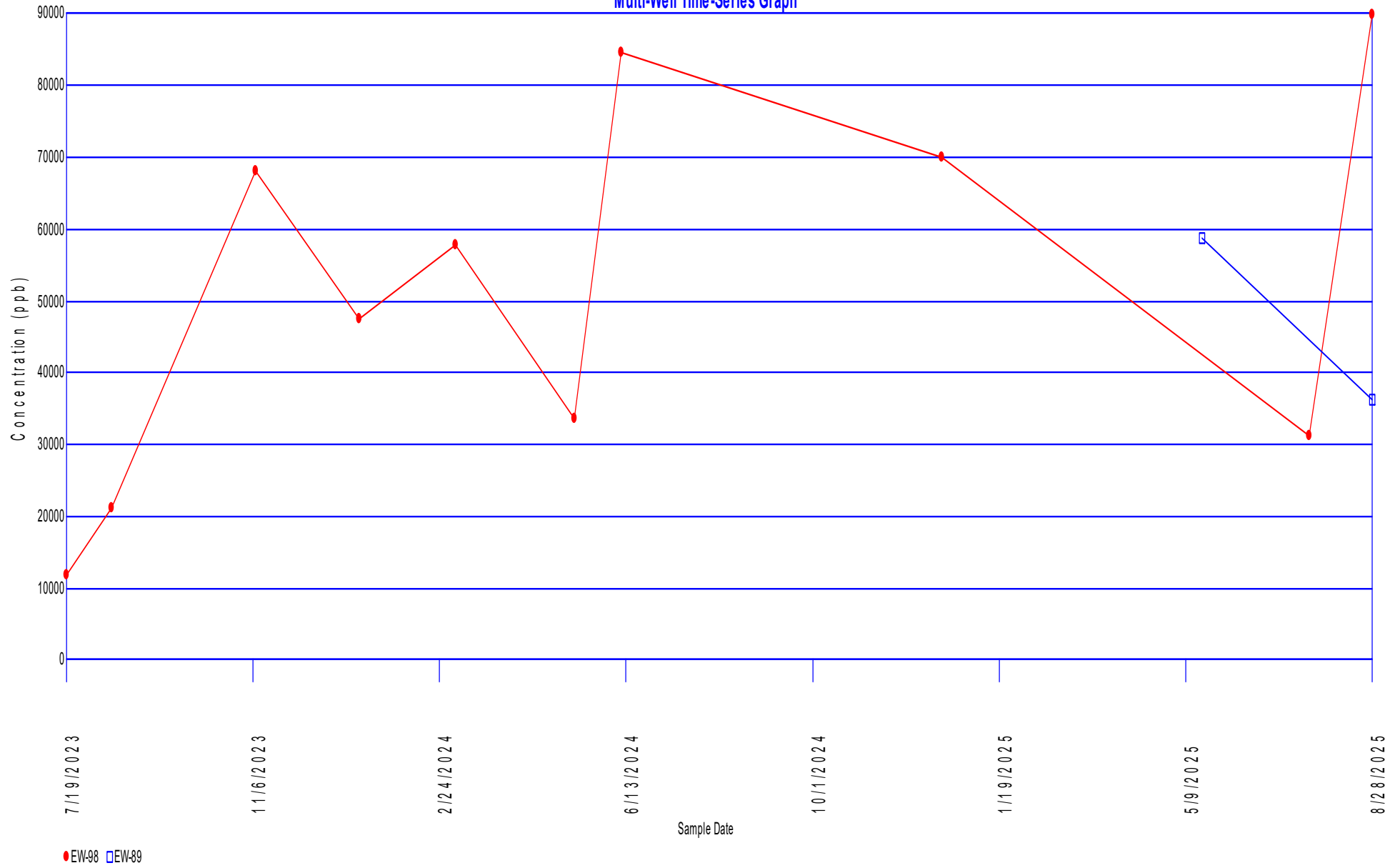
2-Butanone
Multi-Well Time-Series Graph



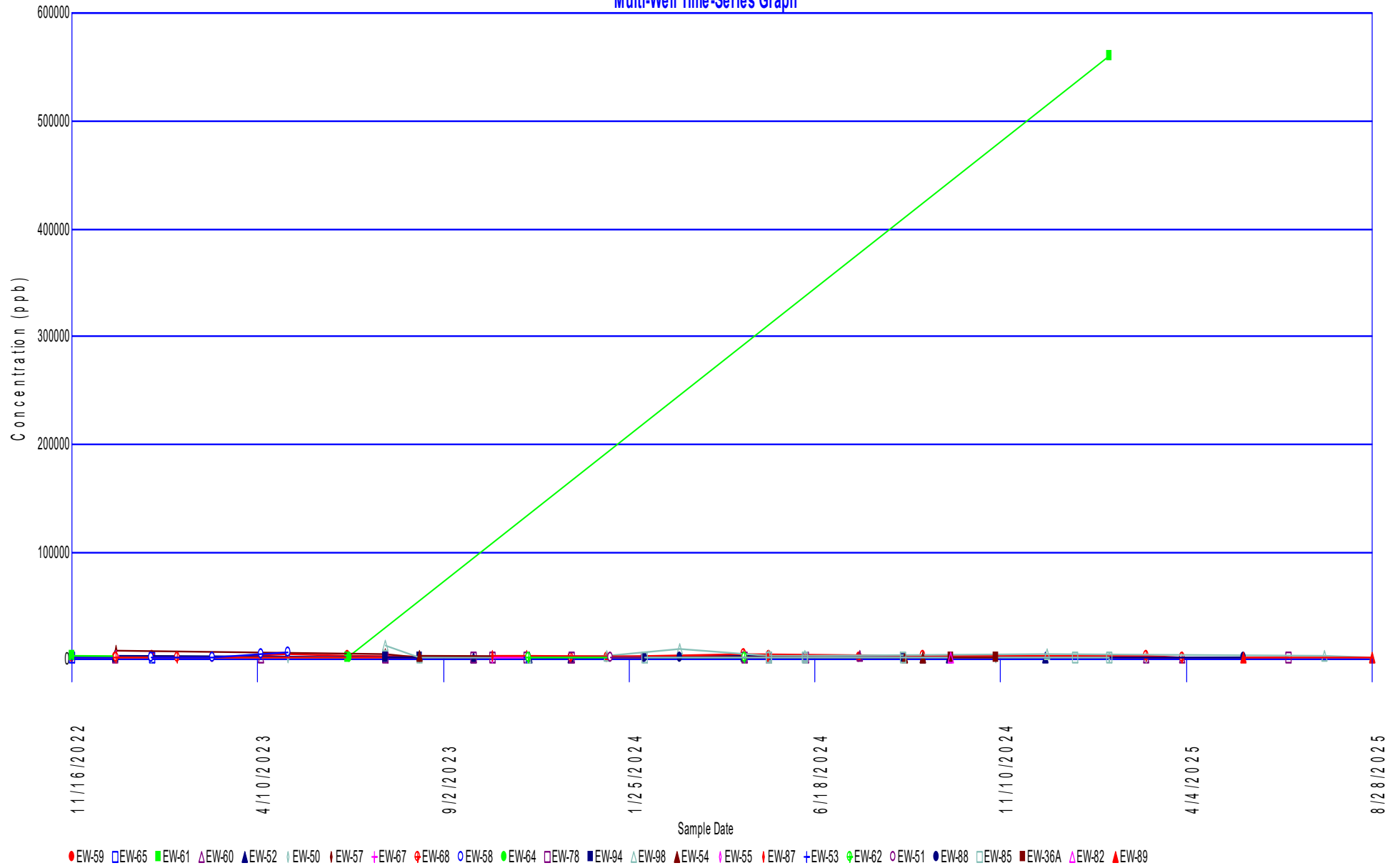
Acetone Multi-Well Time-Series Graph



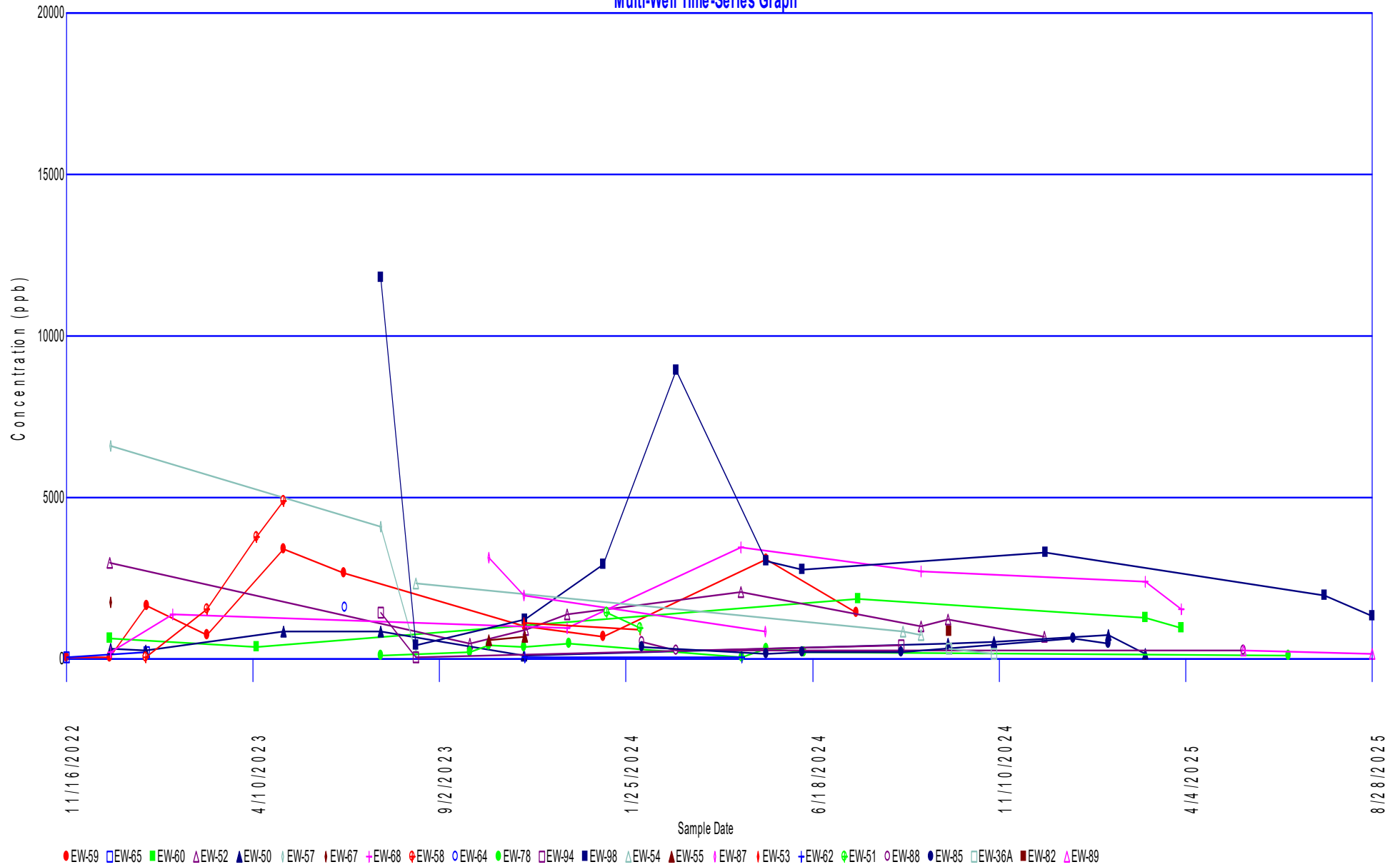
Acetone
Multi-Well Time-Series Graph



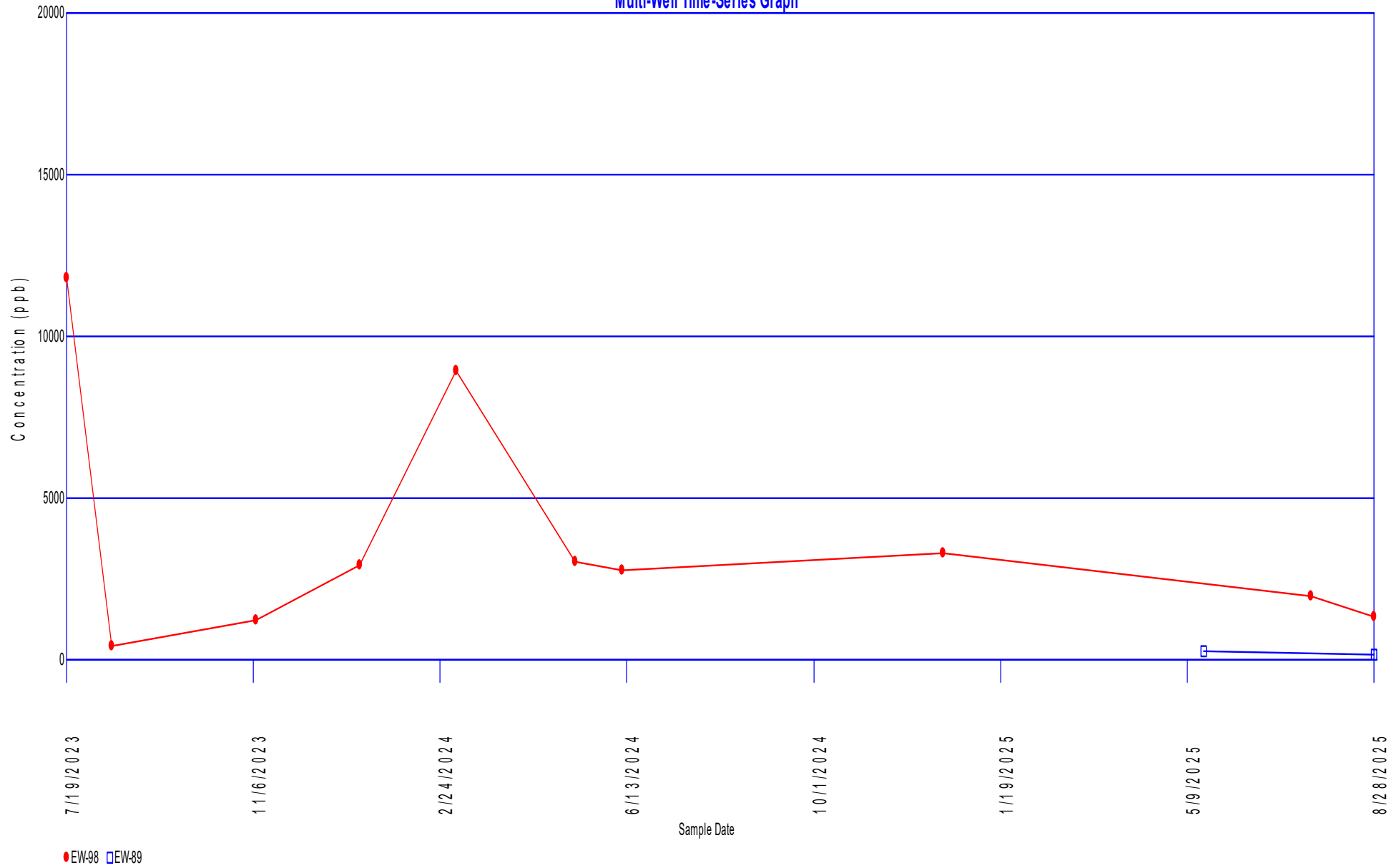
Benzene Multi-Well Time-Series Graph



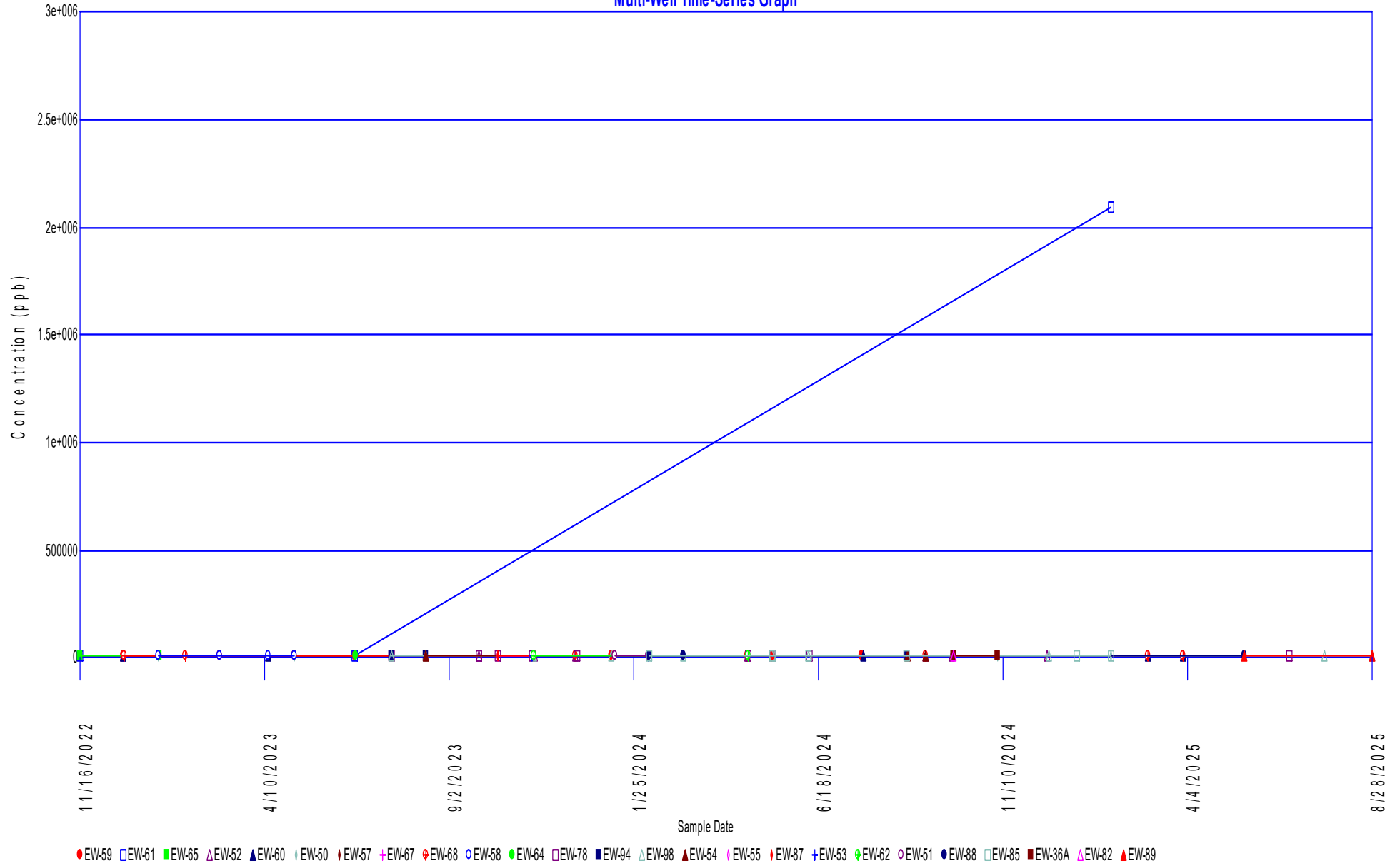
Benzene Multi-Well Time-Series Graph



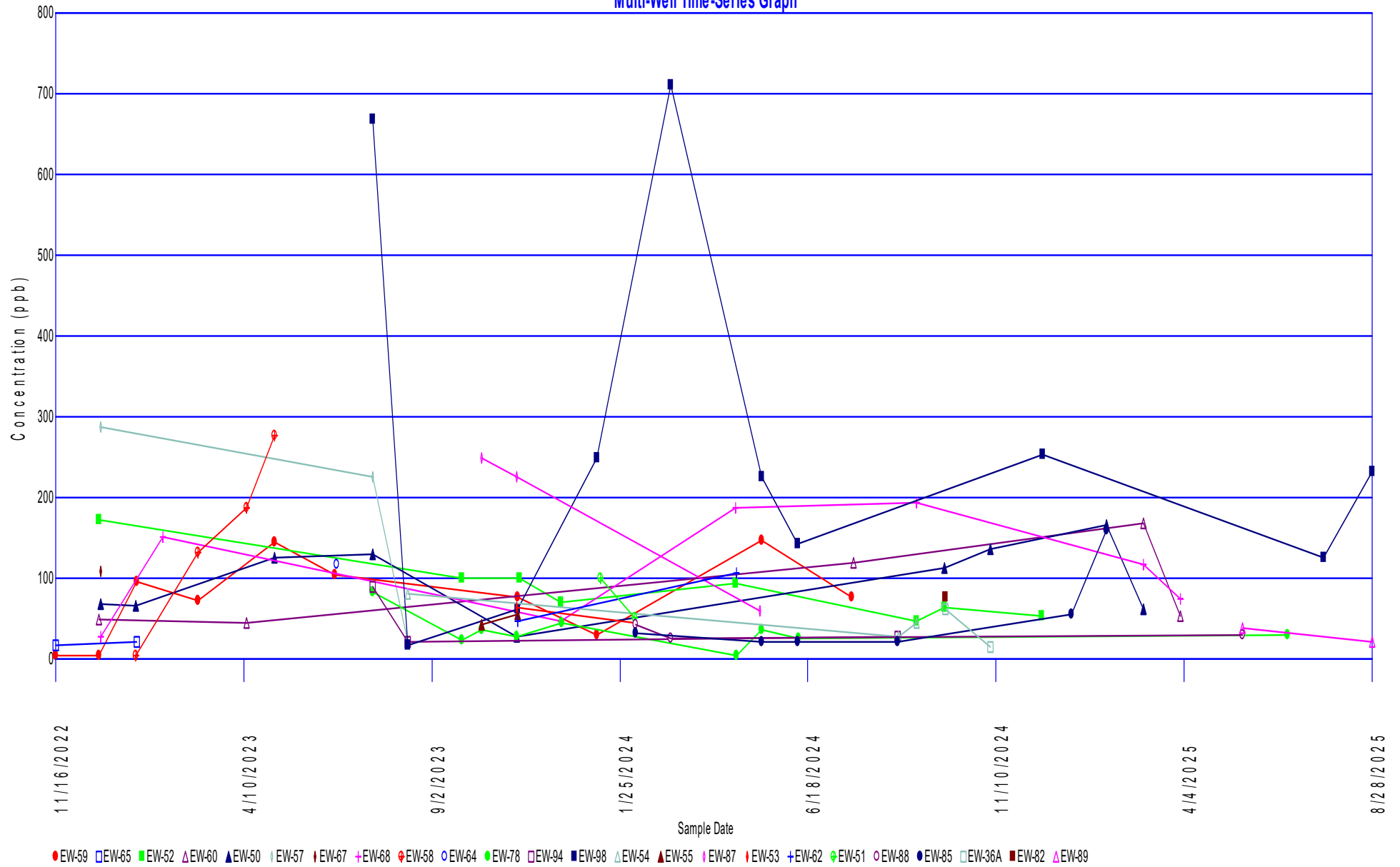
Benzene
Multi-Well Time-Series Graph



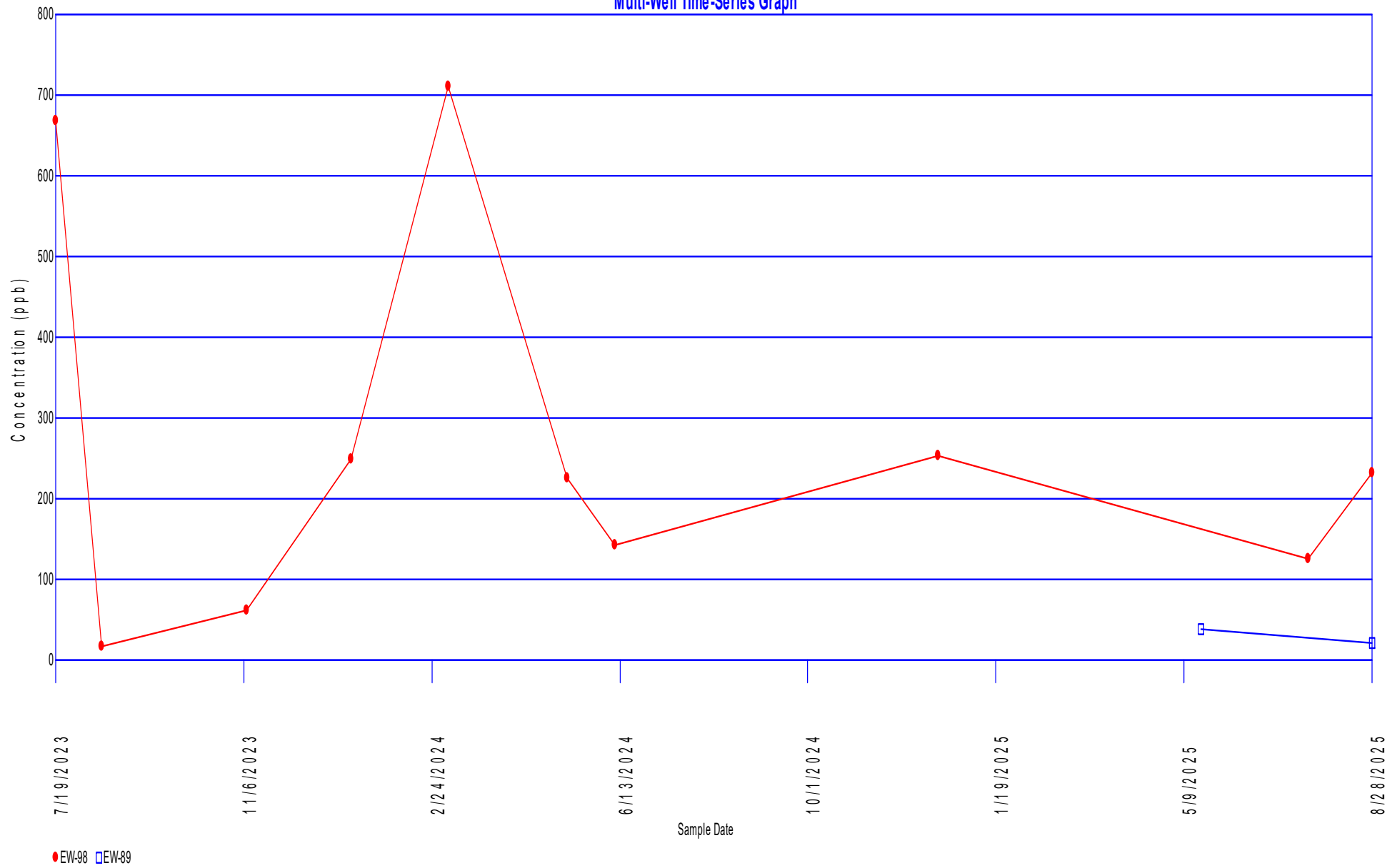
Ethylbenzene Multi-Well Time-Series Graph



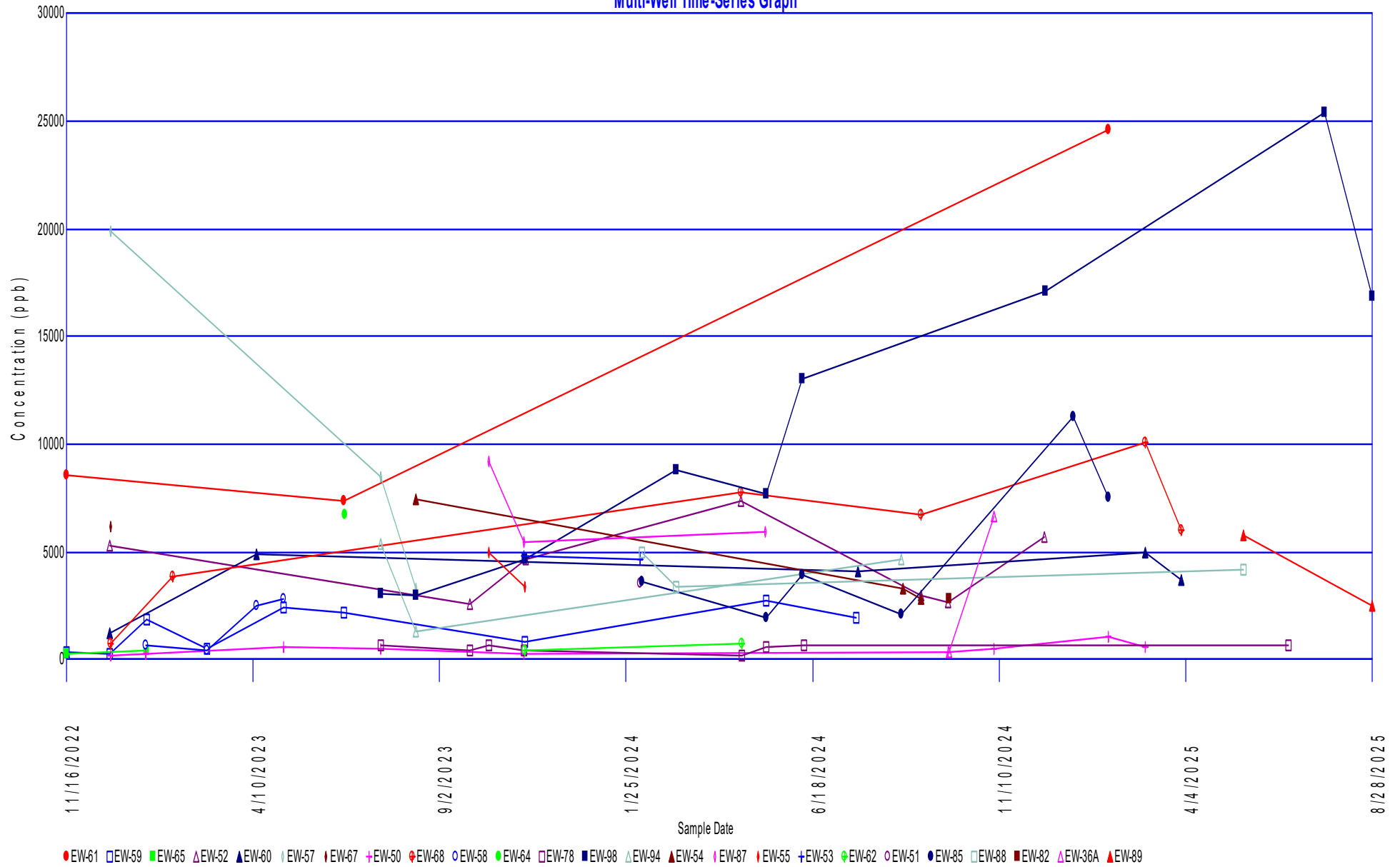
Ethylbenzene Multi-Well Time-Series Graph



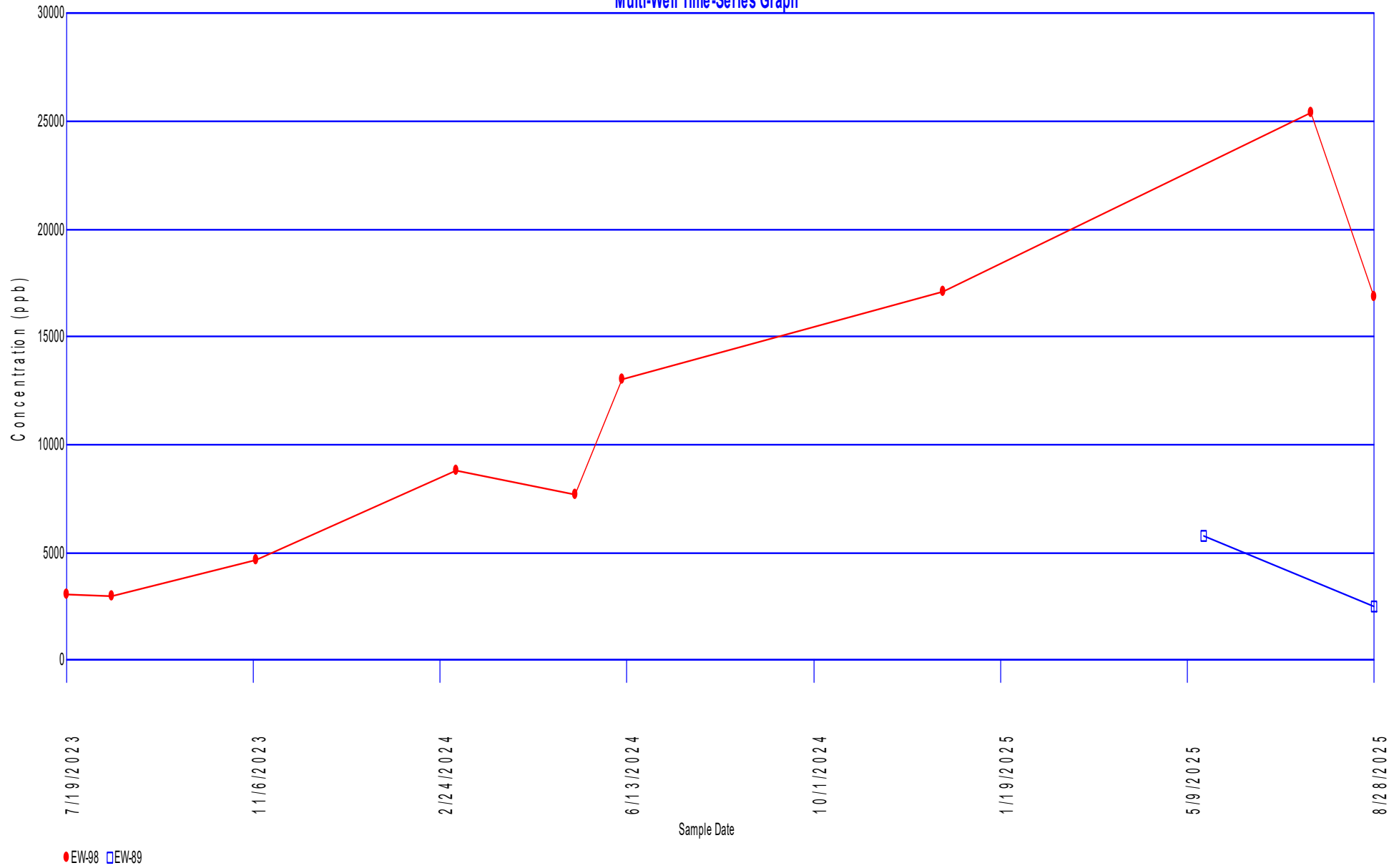
Ethylbenzene Multi-Well Time-Series Graph



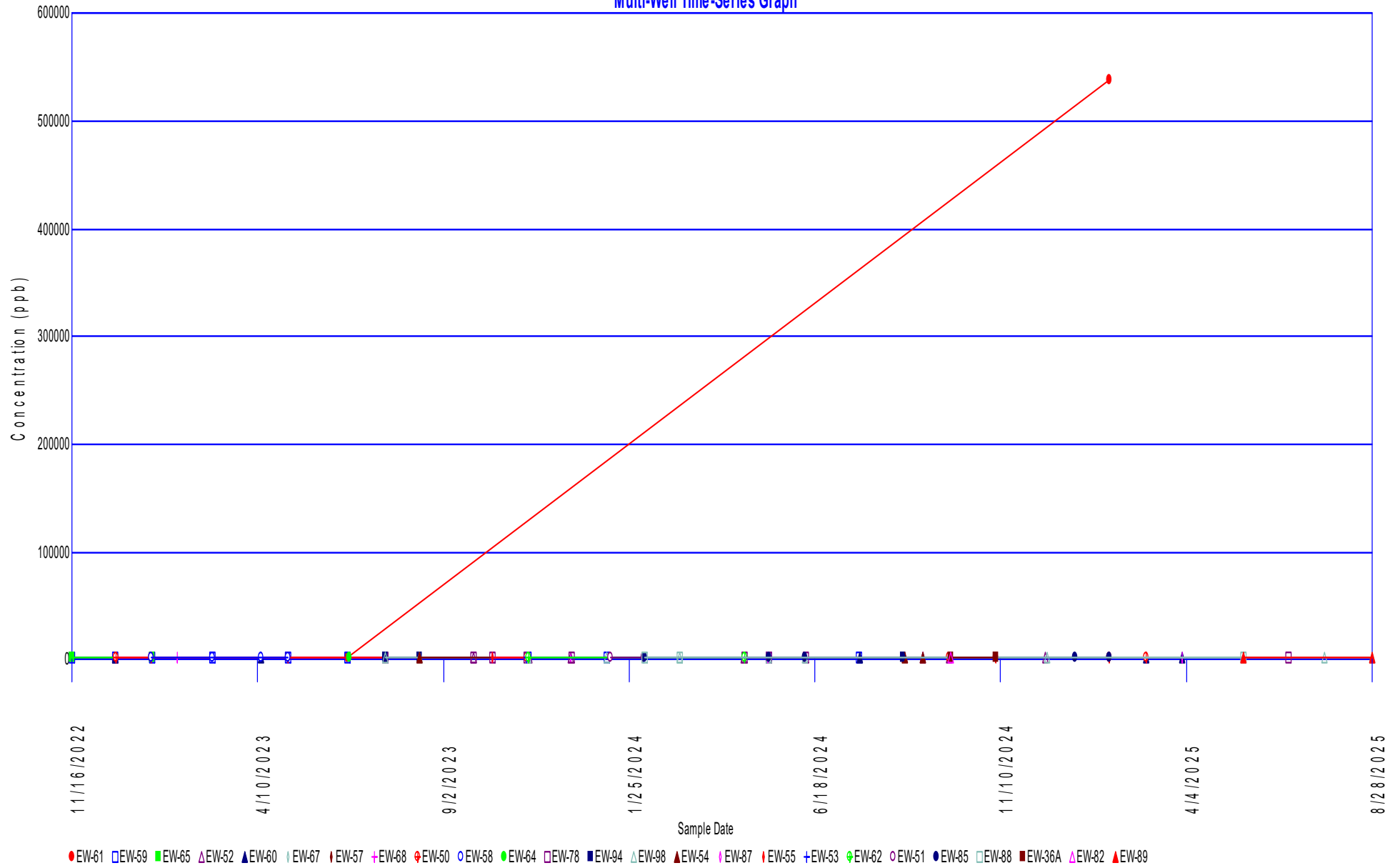
Tetrahydrofuran Multi-Well Time-Series Graph



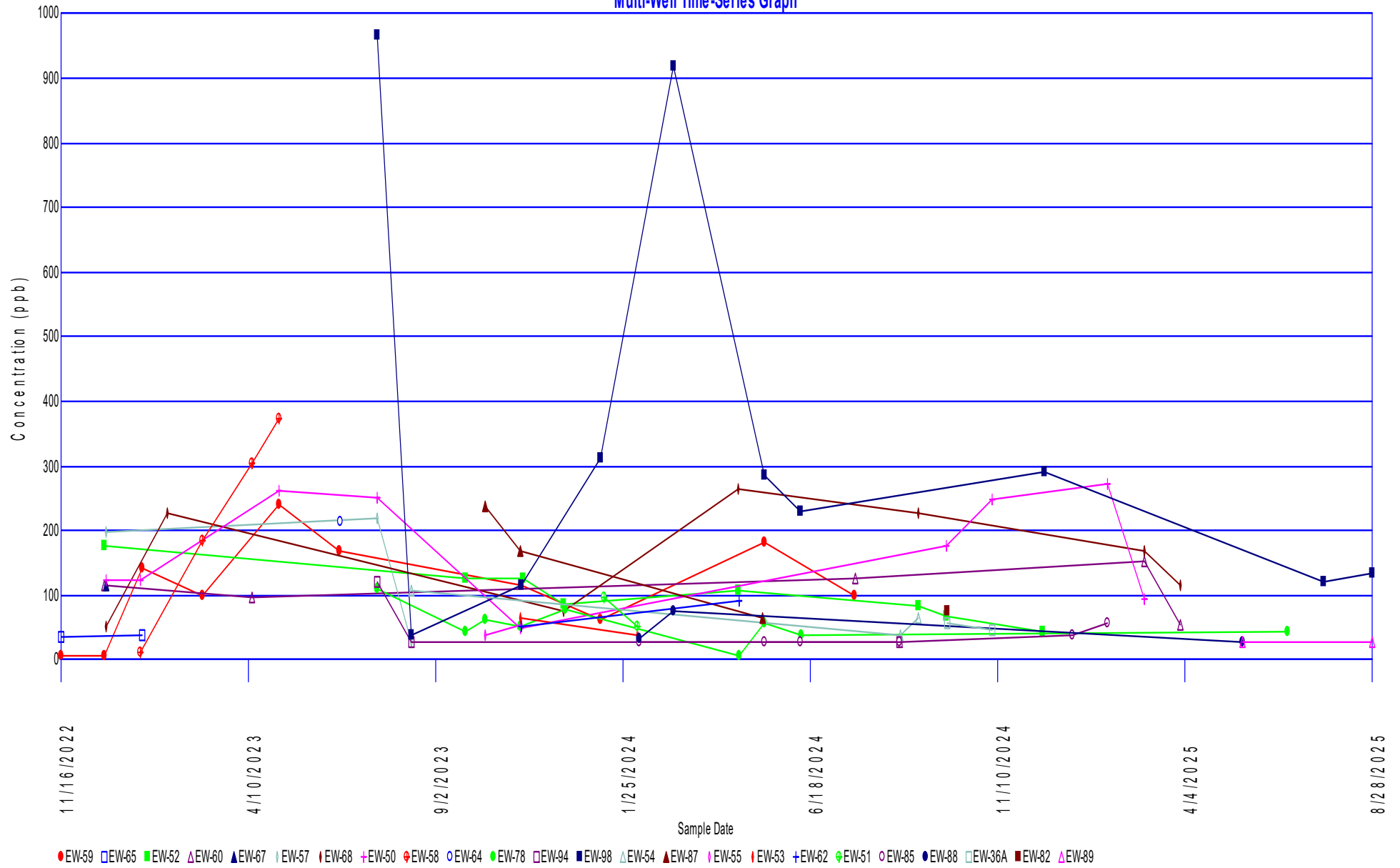
Tetrahydrofuran
Multi-Well Time-Series Graph



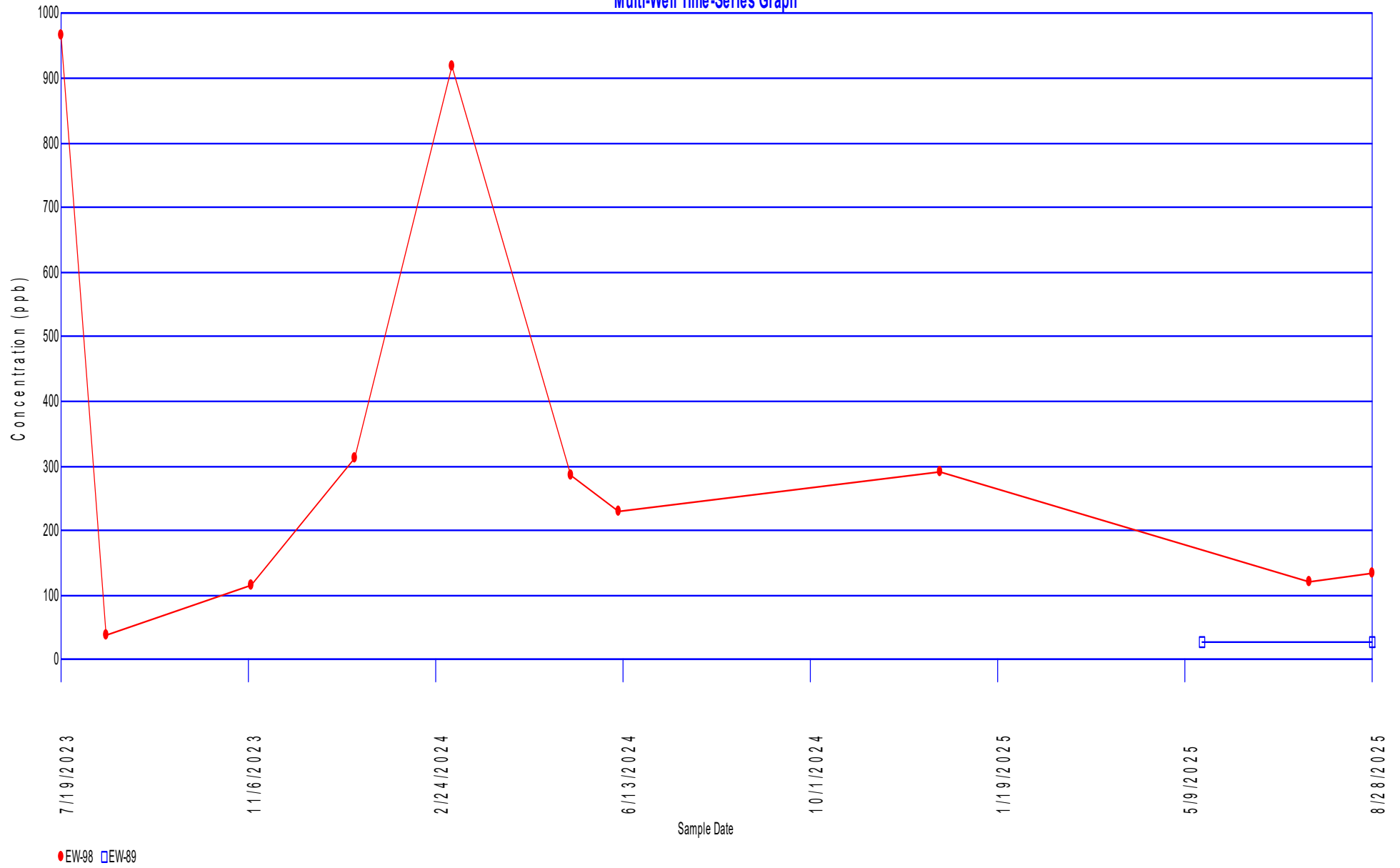
Toluene
Multi-Well Time-Series Graph



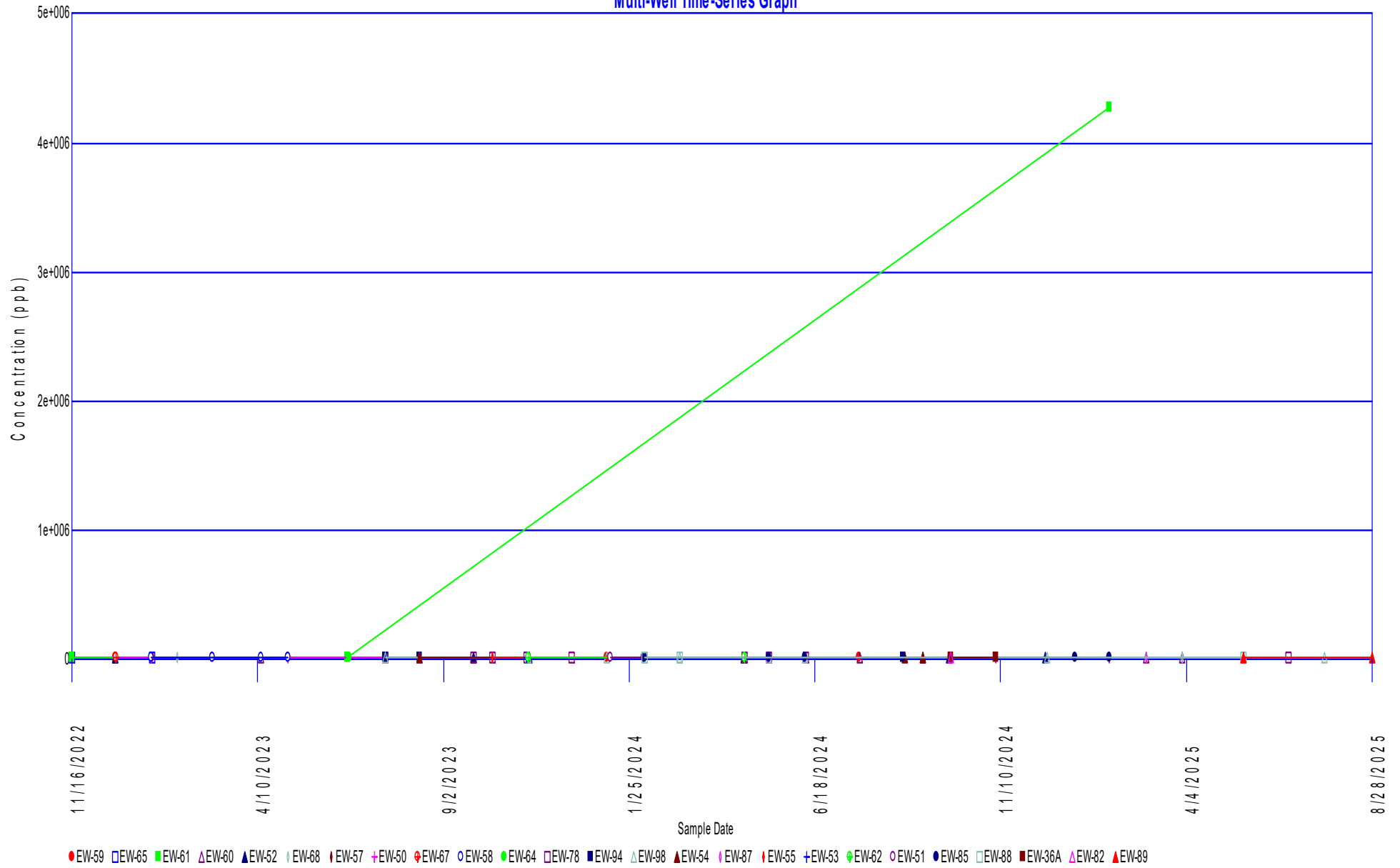
Toluene Multi-Well Time-Series Graph



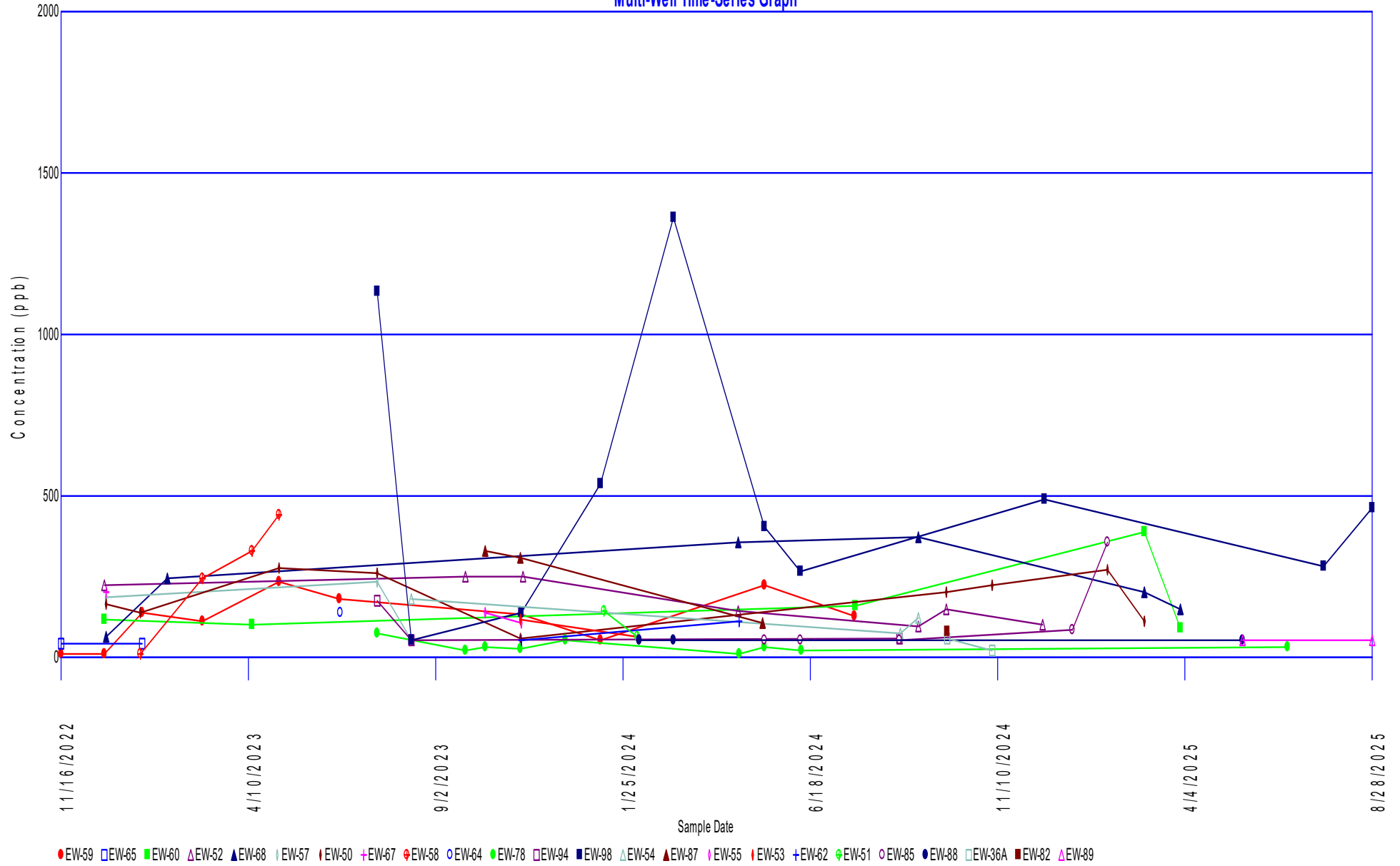
Toluene
Multi-Well Time-Series Graph



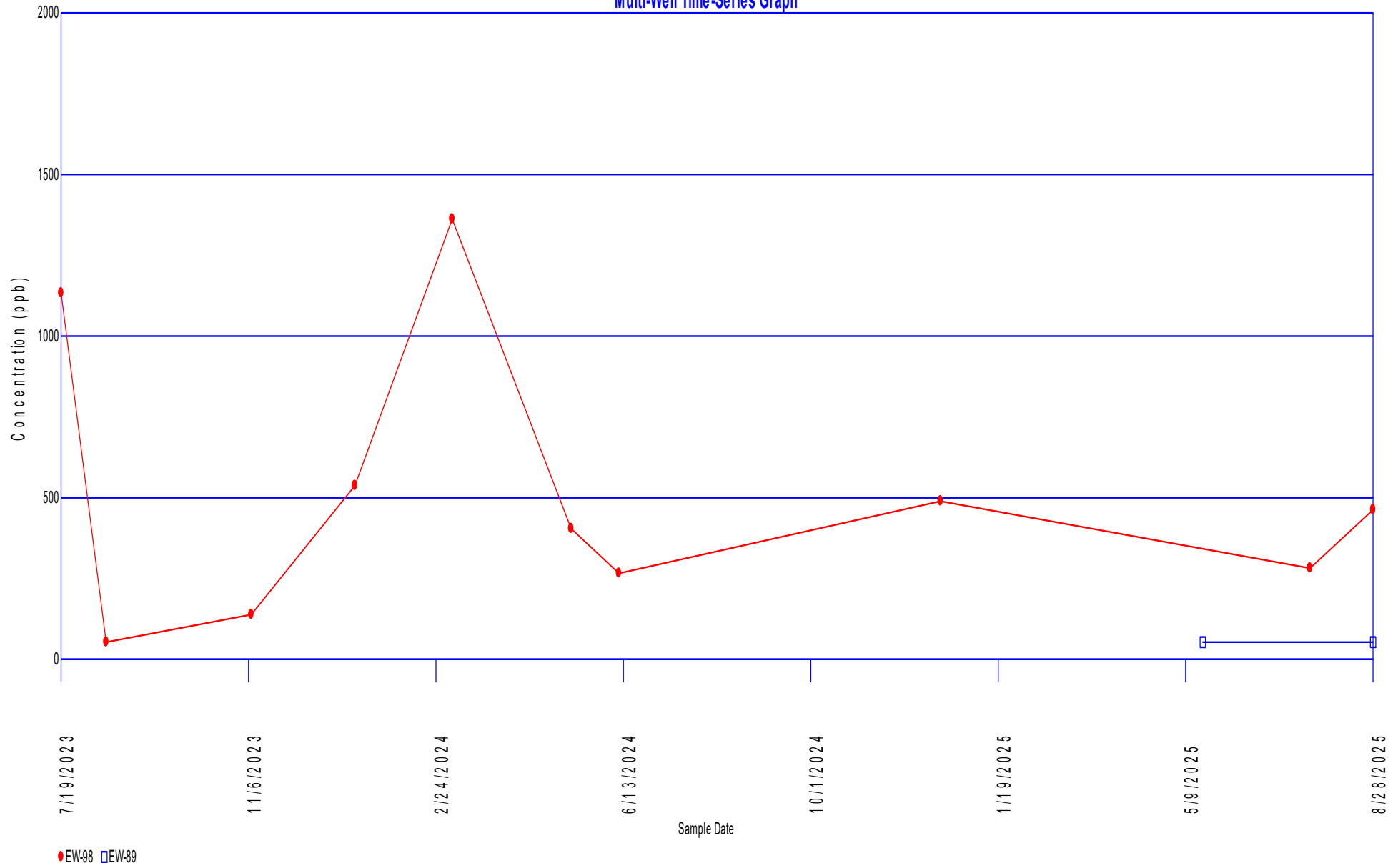
Xylenes Multi-Well Time-Series Graph



Xylenes Multi-Well Time-Series Graph



Xylenes Multi-Well Time-Series Graph



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 18 wells from August 29, 2025, to September 30, 2025. The recorded stroke count data from each well during September 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	8/29/2025	9/30/2025	# of strokes between measurements	Estimated liquid removed (gallons)
EW33B			-	0
EW36A			-	0
EW49			-	0
EW50	1613002	1674597	61,595	18,479
EW52	1239179	1239179	-	0
EW53			-	0
EW55	73387	73387	-	0
EW59	3684657	3684734	77	23
EW60	301079	346781	45,702	13,711
EW61	182811	190785	7,974	2,392
EW62			-	0
EW65	137475	150120	12,645	3,794
EW66	39057	39058	1	0
EW67				0
EW68	2662095	2662095	-	0
EW76			-	0
EW78	188074	237340	49,266	5,518
EW82			-	0
EW85	348642	351154	2,512	281
EW87	340749	340749	-	0
EW88	456751	467313	10,562	1,183
EW89	482183	506736	24,553	7,366
EW93	1409957	1409957	-	0
EW94	1824096	1905705	81,609	9,140
EW98	2507681	2648042	140,361	42,108
TP-4	27486	27632	146	44
Total Estimated Liquid Removal				104,038