



Environment and Waste Programs

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National Nuclear Security Administration

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Symbol: EWP-25-019

Date: June 26, 2025

LA-UR: 25-25554

Mr. JohnDavid Nance, Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6313

**Subject: Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report,
Calendar Year 2025, Quarter 2**

Dear Mr. Nance:

The United States Department of Energy National Nuclear Security Administration, Los Alamos Field Office (NA-LA) and Triad National Security, LLC (Triad) submit the enclosed report titled, *Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 2*, in accordance with the Los Alamos National Laboratory (LANL) Hazardous Waste Facility Permit, EPA ID# NM0890010515 (the Permit) Part 3, Section 3.14.3 to the New Mexico Environment Department-Hazardous Waste Bureau (NMED-HWB).

The Permit requires that the soil vapor monitoring system at the LANL Technical Area 63 Transuranic Waste Facility be sampled and evaluated for designated volatile organic compounds quarterly to ensure the protection of environmental health and safety, including that of onsite workers. The enclosed report provides the results of calendar year 2025, Quarter 2 sampling conducted on April 30, 2025. The sampling results indicate that vapor concentrations at the site do not exceed the soil gas screening levels presented in the Permit.

A 15-day notification regarding a newly detected constituent in vapor monitoring well 63-2012/VMW-4 was submitted to the NMED-HWB on June 5, 2025. As noted in the 15-day report, the detection of acetone is further discussed in the attached quarterly report.

In compliance with Permit Section 1.9.16, a report certification is included with this submittal. A compact disc with copies of the report and the analytical data in an Excel format is also included to facilitate the review of the monitoring results.

If you have any questions or comments concerning this report, please contact Robert A. Gallegos (NA-LA) at (505) 901-3824 or by email at robert.gallegos@nnsa.doe.gov or Luciana Vigil-Holterman (Triad) at (505) 665-3435 or by email at luciana@lanl.gov.

Sincerely,

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Robert A. Gallegos
Program Manager
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JH:RG:klv

Enclosure: *Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 2*

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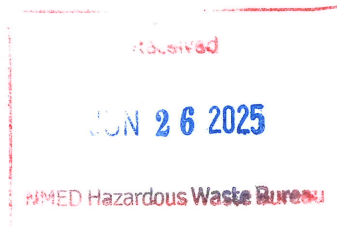
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In compliance with Permit Section 1.9.16, a report certification is included with this submittal. A compact disc with copies of the report and the analytical data in an Excel format is also included to facilitate the review of the monitoring results.



ENCLOSURE

*Technical Area 63 Transuranic Waste Facility Soil Vapor
Monitoring System Report, Calendar Year 2025, Quarter 2*

Date: June 26, 2025

EWP-25-019
LA-UR-25-25554

U.S. Department of Energy,
National Nuclear Security Administration Los Alamos Field Office, and
Triad National Security, LLC

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CERTIFICATION

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Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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Senior Director

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Los Alamos National Laboratory

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Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 2

I Introduction

This report provides the calendar year (CY) 2025, Quarter 2, April (CY2025, Quarter 2) soil vapor sampling results from the Technical Area 63 (TA-63) Transuranic Waste Facility (TWF) soil vapor monitoring network at Los Alamos National Laboratory (LANL). Quarterly sampling is required by the LANL Hazardous Waste Facility Permit (Permit) Part 3, Section 3.14.3, *Subsurface Vapor Monitoring*.

Sampling and laboratory analytical results for CY2025, Quarter 2 confirm that volatile organic compound (VOC) concentrations in the soil gas at the site are stable. The VOC concentrations are well below the screening levels established by the Permit. The primary constituent of concern at the site is trichloroethylene (TCE).

The report presents the background of the soil vapor sampling, soil vapor sampling results, and statistics regarding the data set as part of an ongoing review to determine the need for continued sampling on a quarterly basis at the TWF.

II Background

The TWF soil vapor monitoring wells evaluate vapor-phase contaminants that potentially migrate from TA-50, Material Disposal Area (MDA) C, Solid Waste Management Unit 50-009. MDA C is managed under the Compliance Order on Consent. The TWF is located southeast of MDA C. The purpose of the sampling at the TWF is to prevent worker exposure to potentially harmful levels of VOCs at the site.

On December 23, 2013, the New Mexico Environment Department-Hazardous Waste Bureau (NMED-HWB) approved a Permit modification for the construction of the TWF. The approved modification, Permit Part 3, Section 3.14.3, required completion of vapor monitoring well construction and at least one vapor sample collected from each well before the start of operations at the TWF. Soil vapor monitoring wells were installed in August 2015. Baseline soil vapor monitoring samples were collected in September 2015. The initial report was submitted on October 29, 2015 (LANL 2015) and approved with modifications in February 2016 (NMED 2016). The first quarterly sampling event coincided with commencement of waste activities at the site in December 2017. Quarterly reports from 2017 to present are listed in the references section (LANL 2017 through LANL 2025a).

III Soil Vapor Sampling

The TWF soil vapor monitoring network consists of five soil vapor monitoring wells located in or near the permitted storage area at the TWF. The vapor monitoring wells were installed as specified in Permit Attachment A, Section A.6.10, Subsurface Vapor Monitoring. Figure 1, *Soil vapor monitoring well locations at TA-63 TWF*, depicts the locations of the five soil vapor monitoring wells that comprise the TWF soil vapor monitoring network.

Vapor monitoring well (VMW)-1 (LANL Structure Number 63-2009) and VMW-2 (63-2010) are located proximal to the TWF storage building foundations and adjacent to the unit boundary that faces the utility corridor on Puye Road and MDA C. A third vapor monitoring well, VMW-3 (63-2011), is located within the permitted unit at a point on the western edge of the unit and close to the utility corridor on Pajarito

Road. The sampling ports for VMW-1, VMW-2, and VMW-3 are located at a 5-foot (ft) nominal depth below the concrete pad of the TWF permitted storage unit. Two vapor monitoring wells, VMW-4 (63-2012) and VMW-5 (63-2013), are located outside the permitted unit, across Puye Road to the north and closer to MDA C. There are two sampling ports in both VMW-4 and VMW-5 at depths of 25 and 60 ft below the ground surface. Each vapor monitoring well and vapor monitoring port are sampled during quarterly sampling events, for a total of seven (7) vapor samples.

Field work for the CY2025, Quarter 2 sampling event occurred on April 30, 2025. Soil vapor gases were extracted from the monitoring well sample ports through stainless steel tubing into stainless steel SUMMA canisters and submitted for laboratory analysis of VOCs using the U.S. Environmental Protection Agency (EPA) TO-15 method as required by Permit Section 3.14.3. Prior to collecting the sample, pore gas was purged and field screened to measure concentrations of carbon dioxide, oxygen, and VOCs using a multi-gas monitor to ensure that the levels at each sampling port are stable at values that are representative of subsurface pore gas conditions. Field personnel collected a total of nine (9) samples, including one field duplicate from VMW-5, 60-ft port and one field blank sample. There were no variances in the sampling procedures from the Permit requirements. The field data forms are presented in the Sample Collection Log section of this report.

IV Analytical Results

The Permit presents action levels within Permit Part 3, Tables 3.14.3.1, 3.14.3.2, and 3.14.3.3 (Permit Tables) for VOC constituents of concern. Each Permit Table presents soil gas screening levels (SGSLs) for each of the vapor monitoring well sample port depths at 5 ft, 25 ft, and 60 ft. The SGSLs are based on EPA guidance. References to the guidance and an explanation of the calculations used to develop the SGSLs are presented in Permit Part 3, Section 3.14.3, *Subsurface Vapor Monitoring*. All VOC laboratory analytical sampling results are compared with the SGSLs where listed. All data are subject to validation reviews in accordance with LANL's guidance and procedures.

Table 1, *Detected Volatile Organic Compounds at TA-63 Transuranic Waste Facility – CY2025 Quarter 2*, presents a summary of the laboratory analytical results for detected VOCs. The table provides results for both non-qualified and estimated (J-qualified) detections. Each well port depth and constituent of concern have an associated SGSL, presented in Table 1, for comparison with the analytical results. Relative constituent concentrations are presented using a calculation of the analytical results as a percentage of the SGSLs.

LANL's Sample Management Office processes laboratory analytical data for quality assurance/quality control; these data are presented as an Excel file included on the disc submitted with this report. Results are also presented in Table 2, *Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2025 Quarter 2*. These data include all detect and non-detect analytical results.

NMED-HWB correspondence, dated May 23, 2018 (NMED 2018), requires reporting of current and previous sampling results. Table 3, *Current and Previous Analytical Results for Eight Quarters*, presents the most recent four quarters and the prior four quarters of detected quarterly soil gas laboratory analytical results for comparison and tracking. Table 3 is also provided in electronic format on the enclosed disc and presents data for the entire sampling period.

A statistical analysis of the TCE results is presented through trendline figures (Figures 2 and 3) and Table 4, *Statistical Analyses of TCE Results*. The trendlines and Table 4 present TCE data and statistics for the entire sampling period.

Constituents of Concern

Several constituents of concern that are listed in the Permit Tables are regularly detected in the soil vapor monitoring network. For all the vapor monitoring wells, the most regularly detected constituent is TCE, which also consistently exhibits the highest concentration levels among the detected VOCs at the site. Chloroform, dichlorodifluoromethane, tetrachloroethylene, trichloro-1,2,2-trifluoroethane[1,1,2-], and carbon tetrachloride are also routinely detected in the vapor monitoring wells. The analytical data are discussed below.

TCE is detected in all five of the vapor monitoring wells at all port depths. The detected concentrations are highest closer to MDA C. Vapor monitoring wells VMW-4 and VMW-5 are the closest vapor monitoring wells to MDA C. The TCE concentrations measured in VMW-4 are 1900 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) (1.2% of the SGSL) and 5900 $\mu\text{g}/\text{m}^3$ (6.4% of the SGSL) at the 25-ft and 60-ft port depths, respectively. The TCE concentrations measured in VMW-5 are 330 $\mu\text{g}/\text{m}^3$ (0.2% of the SGSL) and 1200 $\mu\text{g}/\text{m}^3$ (1.3% of the SGSL) at the 25-ft and 60-ft port depths, respectively. Vapor monitoring wells VMW-1, VMW-2, and VMW-3 are closest to the TWF permitted unit and demonstrate TCE concentrations that are a fraction of a percent of the SGSL: 0.2%, 0.5%, and 0.4%, respectively. The TCE concentration of 34 $\mu\text{g}/\text{m}^3$ measured in VMW-1 is estimated (J-qualified).

Chloroform is routinely present in soil gas samples collected from vapor monitoring wells VMW-4 and VMW-5. The concentrations of chloroform in vapor monitoring well VMW-4 are 88 $\mu\text{g}/\text{m}^3$ (0.4% of the SGSL) and 180 $\mu\text{g}/\text{m}^3$ (0.4% of the SGSL) in the 25-ft and 60-ft sampling ports, respectively. The concentrations of chloroform in vapor monitoring well VMW-5 are 59 $\mu\text{g}/\text{m}^3$ (0.3% of the SGSL) and 30 $\mu\text{g}/\text{m}^3$ (J-qualified or estimated) (<0.1% of the SGSL) in the 25-ft and 60-ft sampling ports, respectively. In 2023, VMW-2, 5-ft sampling port indicated the presence of chloroform and since then, detects have been inconsistent with no chloroform detected in this quarter. The CY2019, Quarter 3 sampling event indicated the presence of chloroform in VMW-1, 5 ft sampling port and since then, there have been no further detects of chloroform in this well.

Vapor monitoring wells VMW-4 and VMW-5 also consistently demonstrate concentrations above the laboratory report detection limits for dichlorodifluoromethane, tetrachloroethylene, trichloro-1,2,2-trifluoroethane[1,1,2-], and carbon tetrachloride. The concentrations for these VOCs, when detected, are very low at less than 0.1% of the relevant SGSLs.

Newly Detected and Additional Constituents

Occasionally, VOCs are detected in the vapor monitoring wells that were not detected during previous sampling events. Permit Part 3, Section 3.14.3, requires notification to the NMED-HWB when this occurs.

This quarter, a newly detected VOC was reported to the NMED-HWB on June 5, 2025. The newly detected constituent is acetone in VMW-4, 25-ft port at 6.6 $\mu\text{g}/\text{m}^3$ (J). The report detection limit for acetone is 76 $\mu\text{g}/\text{m}^3$ and the report method detection limit is 5.2 $\mu\text{g}/\text{m}^3$; therefore, the result is estimated. The Permit Tables include acetone with an SGSL of 5.44 E+08 $\mu\text{g}/\text{m}^3$ for sampling ports located 25 feet below ground surface. Previously, acetone was detected in the 60-foot port in VMW-4. This quarter, acetone is also detected in VMW-3, 5-foot port at 5.5 $\mu\text{g}/\text{m}^3$ (J). Acetone has previously been detected in VMW-3 most recently in 2023, Quarter 2. All vapor monitoring wells at the TWF indicate the occasional presence of acetone at very low levels ranging from 5.5 to 81 $\mu\text{g}/\text{m}^3$ in the 5-foot ports, 6.6 to 62 $\mu\text{g}/\text{m}^3$ in the 25-foot ports, and 16.1 to 200 $\mu\text{g}/\text{m}^3$ in the 60-ft ports. All detected concentrations of acetone in the 5-foot and 25-foot ports have been J-qualified or estimated. Monitoring for newly detected constituents will continue.

Constituents that are not listed in the Permit Tables are occasionally detected and reported. These detects are discussed below. Additionally discussed below are nonroutine detections of constituents that are listed in the Permit Tables.

The field duplicate sample for vapor monitoring well VMW-5, 60-ft port has demonstrated the presence of several constituents during previous sampling events. Tetrahydrofuran, ethanol, propanol[2-] (isopropyl alcohol), and 2-butanone were first detected in a duplicate sample in CY2020, Quarter 1. The Permit Tables list 2-butanone (methylethylketone), but do not list the other constituents. In CY2021, Quarter 3, the field duplicate again demonstrated a detection of ethanol, which is not a constituent of concern. CY2023, Quarter 4 results for the field duplicate indicated the presence of carbon disulfide and benzene. Both constituents are included in the Permit Tables. There were no field duplicate anomalies to report for the CY2025, Quarter 2 sampling event.

Ethanol and propanol[2-] (isopropyl alcohol) have been detected at estimated (J-qualified) concentrations in vapor monitoring wells VMW-1, VMW-3, VMW-4, and VMW-5 in previous sampling events. Neither of these constituents are listed in the Permit Tables, so there are no associated Permit SGSs for comparison. The constituents have been detected in the 5-ft ports of VMW-1 and VMW-3, and in the 60-ft ports of VMW-4 and VMW-5. In previous sampling events, propanol[2-] has additionally been detected in the 25-ft port of VMW-4. In CY2024, Quarter 2, ethanol was additionally detected in VMW-2. Ethanol and propanol[2-] were not detected this quarter in any of the monitoring wells. The presence of ethanol and propanol[2-] will continue to be monitored as part of routine sampling.

Monitoring wells VMW-4 and VMW-5 have infrequent detects of bromodichloromethane. Bromodichloromethane is not included as a constituent of concern in the Permit Tables, so the results cannot be compared to a SGS; however, the results have been well below the report detection limit and estimated (J-qualified). Bromodichloromethane was detected again this quarter in VMW-5, in the 25-ft sampling port at a concentration of 8.7 µg/m³ (J).

Low levels of hydrocarbon constituents such as xylenes, toluene, ethylbenzene, heptane, and hexane are occasionally detected in the vapor monitoring wells. The results are well below the SGSs and are mostly estimated. These constituents are included in the Permit Tables. The analytical results for this quarter do not indicate the presence of these constituents.

V Statistics

Statistics that focus on TCE, which is the primary soil vapor constituent detected during the TWF operating period, are calculated to analyze constituent concentrations and potential data trends. Table 4, *Statistical Analyses of TCE Results*, presents the mean and standard deviation for the TCE concentrations over time to determine whether the concentrations of TCE can be described statistically within a defined range.

The TCE analytical results for vapor monitoring wells VMW-1 through VMW-5 continue to demonstrate stable conditions with no significant deviations or anomalous spikes in concentration levels. The statistical and graphical evaluation of quarterly data from 2017 through Q2 2025 supports this conclusion. Figure 2, *Data plots for TA-63 TWF soil vapor monitoring wells inside the permitted unit*, and Figure 3, *Data plots for TA-63 TWF soil vapor monitoring wells outside the permitted unit*, which display quarterly TCE concentrations for each well and port depth, depict trendlines that generally follow a flat or downward trajectory. This visual trend across all wells indicates consistent or slightly decreasing TCE levels over time. No upward trends or sudden increases in TCE concentrations have been observed and seasonal variability appears absent.

According to Table 4, all TCE measurements remain within three standard deviations of the mean for each well and sampling port, confirming that the data set is in statistical control. This suggests no unexpected variability and supports the interpretation that the TCE concentrations are stable and predictable over time. At all sampling depths, TCE concentrations are more than one order of magnitude below the respective SGSLs. For example, even the highest average concentration— $6.6\text{E}+03\text{ }\mu\text{g}/\text{m}^3$ at the 60-foot port of VMW-4—is still well below the $9.3\text{E}+04\text{ }\mu\text{g}/\text{m}^3$ SGSL for that depth. The consistently low TCE concentrations, well below screening levels, further reinforce that current subsurface vapor conditions do not pose a risk to indoor air quality in nearby buildings.

VI References

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- LANL 2017. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 1, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO:17-560), December 21, 2017. Los Alamos National Laboratory, Los Alamos, New Mexico.
- LANL 2018a. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 2, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO:18-139) of March 30, 2018. Los Alamos National Laboratory, Los Alamos, New Mexico.
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- LANL 2018c. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 4, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO:18-349) of September 26, 2018. Los Alamos National Laboratory, Los Alamos, New Mexico.
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- LANL 2019b. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 7, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO:19-203) of June 26, 2019. Los Alamos National Laboratory, Los Alamos, New Mexico.
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- LANL 2020a. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 9, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO:19-467) of January 10, 2020. Los Alamos National Laboratory, Los Alamos, New Mexico.
- LANL 2020c. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 10, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO:20-121) of March 30, 2020. Los Alamos National Laboratory, Los Alamos, New Mexico.
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- LANL 2020e. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 12, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO:20-302) of October 2, 2020. Los Alamos National Laboratory, Los Alamos, New Mexico.
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- LANL 2021b. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 14, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO-21-135) of May 3, 2021. Los Alamos National Laboratory, Los Alamos, New Mexico.
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- LANL 2022a. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, November 2021 (Quarter 17) Los Alamos National Laboratory, EPA ID# NM0890010515,” (EPC-DO-21-404) of January 3, 2022. Los Alamos National Laboratory, Los Alamos, New Mexico.
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- LANL 2024a. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2024, Quarter 1, January,” (EPC-DO-24-076) of March 28, 2024. Los Alamos National Laboratory, New Mexico.
- LANL 2024b. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2024, Quarter 2, April,” (EPC-DO-24-150) of June 13, 2024. Los Alamos National Laboratory, New Mexico.
- LANL 2024c. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report Calendar Year 2024, Quarter 3, July,” (EPC-DO-24-252) of September 25, 2024. Los Alamos National Laboratory, New Mexico.
- LANL 2024d. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2024, Quarter 4, October,” (EPC-DO-24-346) of December 18, 2024. Los Alamos National Laboratory, New Mexico.
- LANL 2025a. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 1,” (EWP-25-007) of March 26, 2025. Los Alamos National Laboratory, New Mexico.
- NMED 2010. *Los Alamos National Laboratory Hazardous Waste Facility Permit*, issued by New Mexico Environment Department, Hazardous Waste Bureau, November 30, 2010, and subsequent revisions.
- NMED 2016. Letter: “Approval with Modifications Transuranic Waste Facility Soil Vapor Monitoring System Report, Los Alamos National Laboratory EPA ID# NM0890010515, HWB-LANL-15-058,” dated February 29, 2016. New Mexico Environment Department, Hazardous Waste Bureau, Santa Fe, New Mexico.
- NMED 2018. Letter: “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 2, Los Alamos National Laboratory EPA ID# NM0890010515, HWB-LANL-18-016,” dated May 23, 2018. New Mexico Environment Department, Hazardous Waste Bureau, Santa Fe, New Mexico.
- NMED 2021. Letter: “Review Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 13, Los Alamos National Laboratory EPA ID# NM0890010515, HWB-LANL-18-016,” dated March 26, 2021. New Mexico Environment Department, Hazardous Waste Bureau, Santa Fe, New Mexico.
- NMED 2022. Letter: “Review Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, May 2022 (Quarter 19), Los Alamos National Laboratory EPA ID# NM0890010515, HWB-LANL-22-041,” dated August 29, 2022. New Mexico Environment Department, Hazardous Waste Bureau, Santa Fe, New Mexico.

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FIGURES AND TABLES

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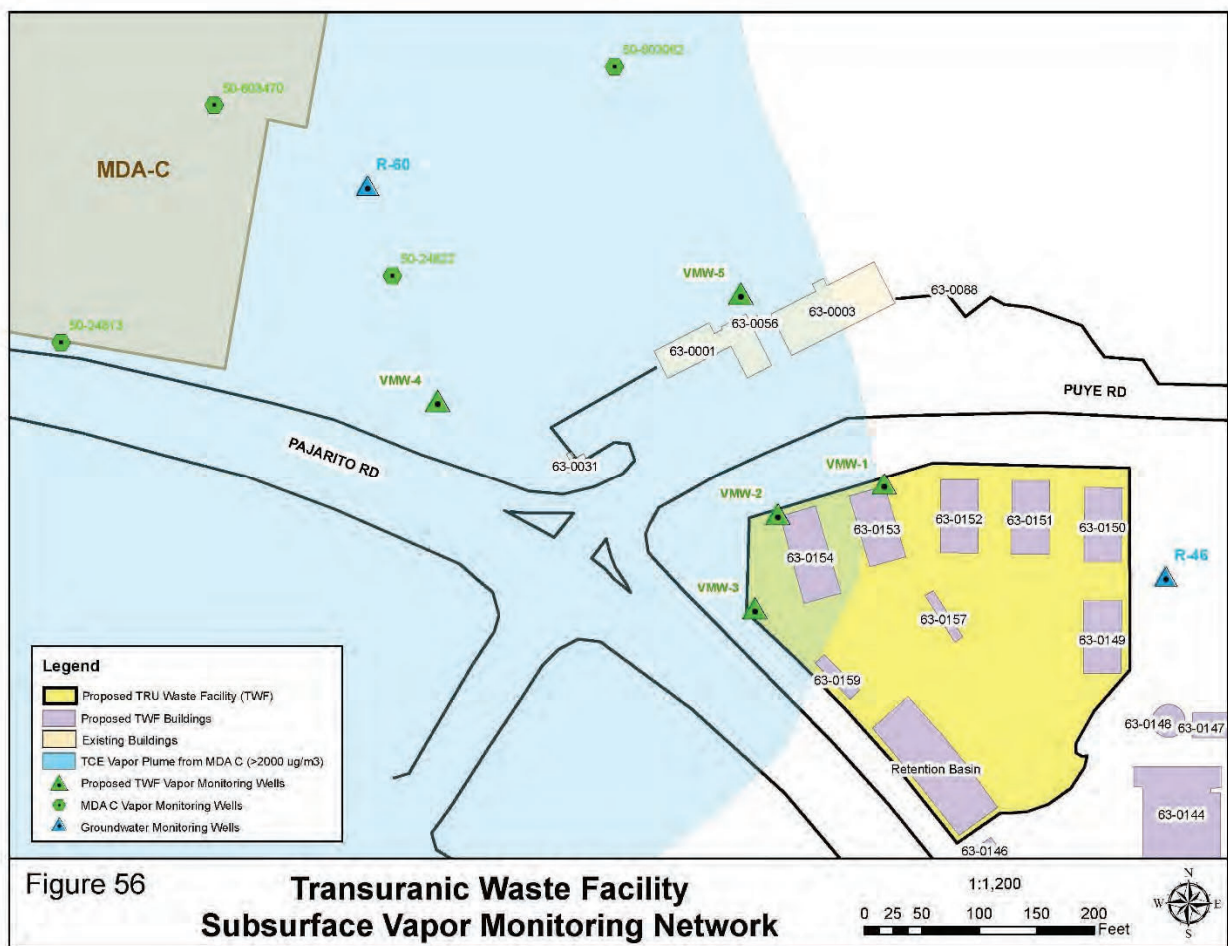


Figure 1. Soil vapor monitoring well locations at TA-63 TWF.

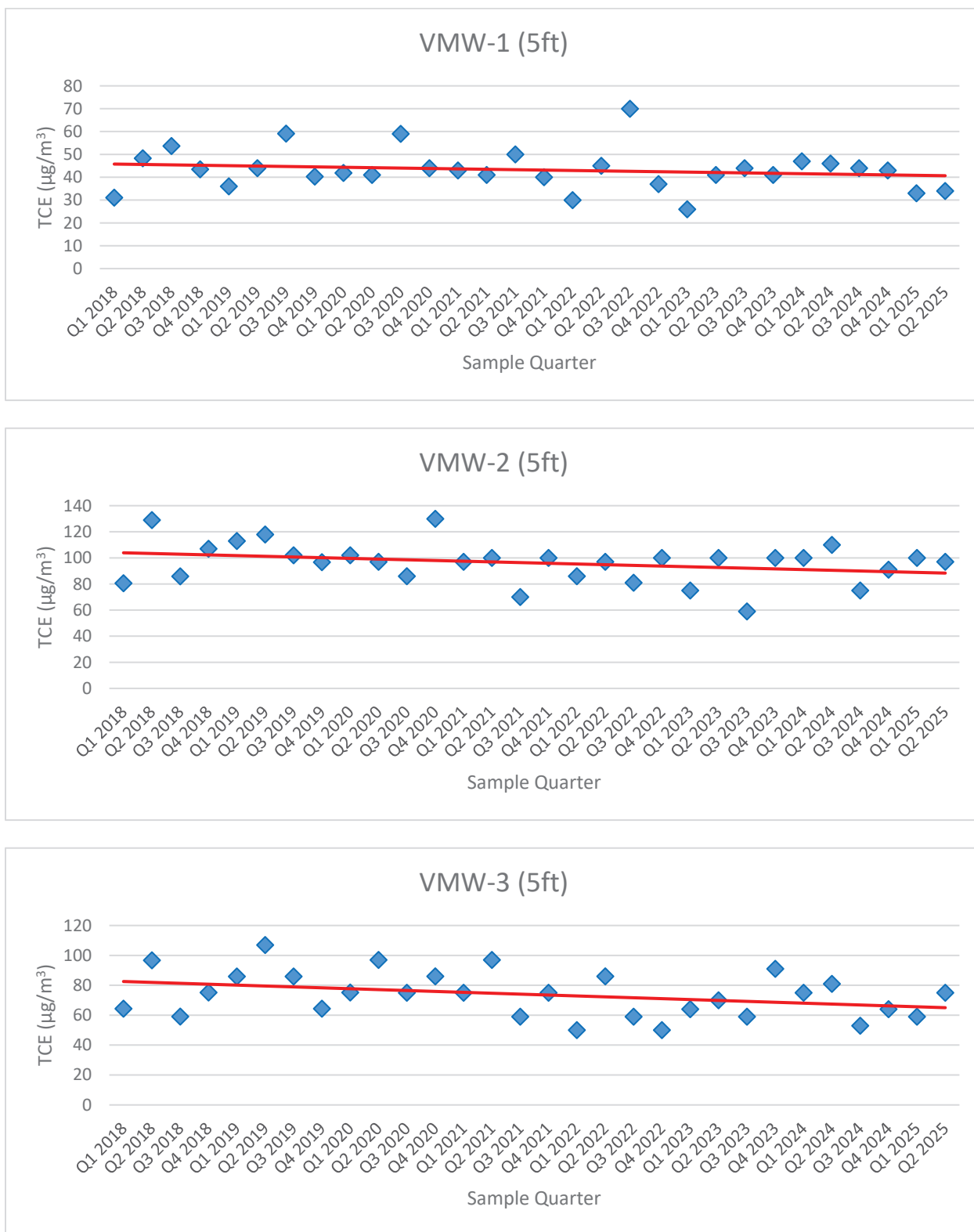


Figure 2. Data plots for TA-63 TWF soil vapor monitoring wells inside the permitted unit.

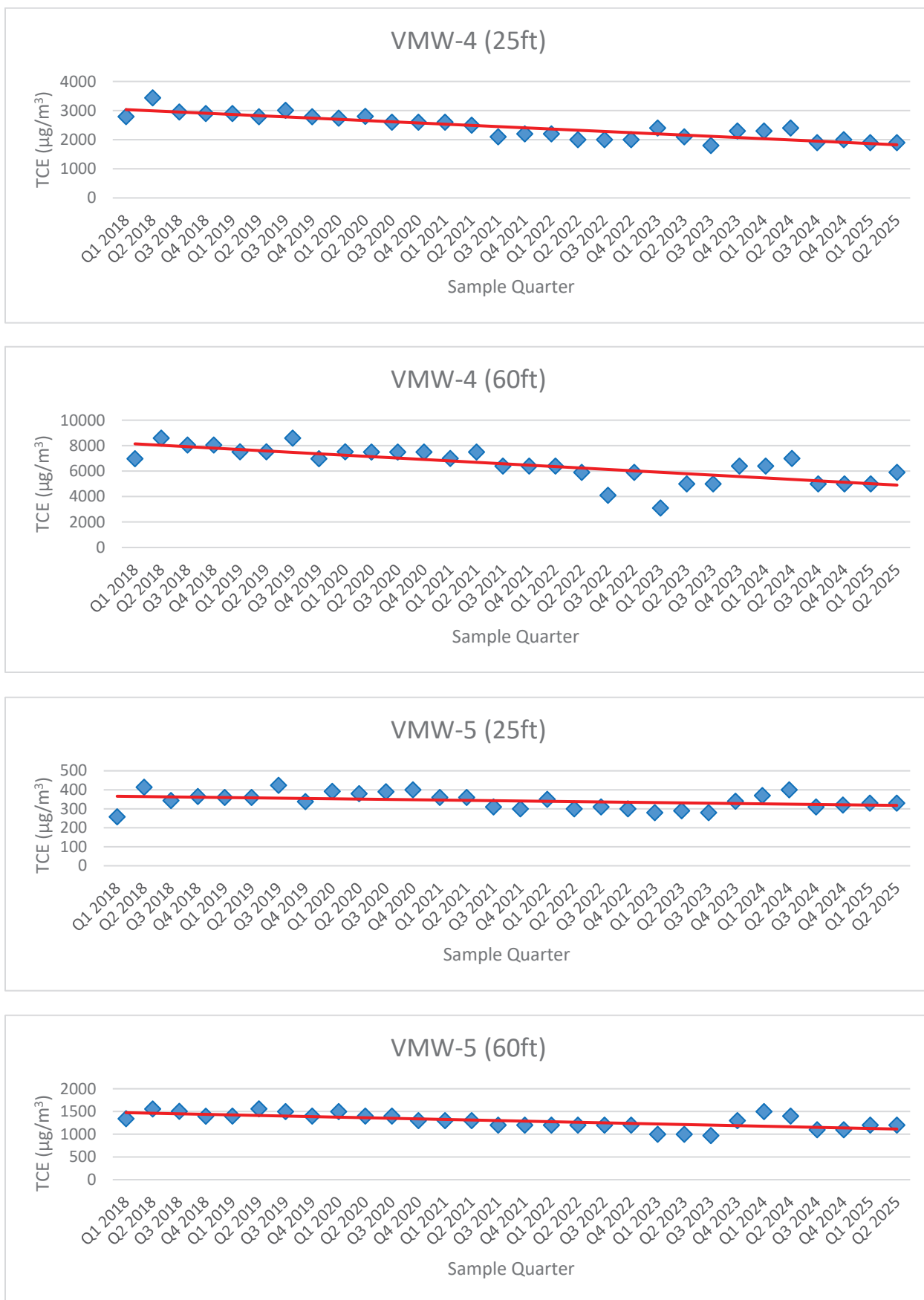


Figure 3. Data plots for TA-63 TWF soil vapor monitoring wells outside the permitted unit.

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Table 1. Detected Volatile Organic Compounds at TA-63 Transuranic Waste Facility – CY2025 Quarter 2

Well Name	Well ID	Field Sample ID	Port Depth	Sample Purpose	Parameter Code/ CAS Number	Analyte Name	Analyte Listing in Permit	Report Result (µg/m3)	EPA Data Qualifier	Report Detection Limit (µg/m3)	SGSL (µg/m3)	% SGSL
VMW-1	63-2009	TWF63-25-360415	5	REG	79-01-6	Trichloroethene	Trichloroethylene	34	J	42	1.94E+04	0.2
VMW-2	63-2010	TWF63-25-360416	5	REG	79-01-6	Trichloroethene	Trichloroethylene	97	NQ	40	1.94E+04	0.5
VMW-3	63-2011	TWF63-25-360417	5	REG	67-64-1	Acetone	Acetone	5.5	J	76	2.73E+08	<0.1
	63-2011	TWF63-25-360417	5	REG	79-01-6	Trichloroethene	Trichloroethylene	75	NQ	42	1.94E+04	0.4
VMW-4	63-2012	TWF63-25-360418	25	REG	75-71-8	Dichlorodifluoromethane	Dichlorodifluoromethane	54	NQ	39	2.61E+06	<0.1
	63-2012	TWF63-25-360418	25	REG	56-23-5	Carbon Tetrachloride	Carbon tetrachloride	31	J	50	1.06E+05	<0.1
	63-2012	TWF63-25-360418	25	REG	127-18-4	Tetrachloroethene	Tetrachloroethylene	16	J	54	2.63E+06	<0.1
	63-2012	TWF63-25-360418	25	REG	79-01-6	Trichloroethene	Trichloroethylene	1900	NQ	42	1.57E+05	1.2
	63-2012	TWF63-25-360418	25	REG	67-64-1	Acetone	Acetone	6.6	J	76	5.44E+08	<0.1
	63-2012	TWF63-25-360418	25	REG	67-66-3	Chloroform	Chloroform	88	NQ	39	2.30E+04	0.4
	63-2012	TWF63-25-360419	60	REG	75-71-8	Dichlorodifluoromethane	Dichlorodifluoromethane	120	NQ	39	5.38E+06	<0.1
	63-2012	TWF63-25-360419	60	REG	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	25	J	61	1.38E+09	<0.1
	63-2012	TWF63-25-360419	60	REG	56-23-5	Carbon Tetrachloride	Carbon tetrachloride	88	NQ	50	2.13E+05	<0.1
	63-2012	TWF63-25-360419	60	REG	79-01-6	Trichloroethene	Trichloroethylene	5900	NQ	42	9.27E+04	6.4
	63-2012	TWF63-25-360419	60	REG	67-66-3	Chloroform	Chloroform	180	NQ	39	4.44E+04	0.4
	63-2012	TWF63-25-360419	60	REG	127-18-4	Tetrachloroethene	Tetrachloroethylene	66	NQ	54	2.05E+06	<0.1
	63-2012	TWF63-25-360419	60	REG	156-59-2	Dichloroethene[cis-1,2-]	cis-1,2-Dichloroethylene	17	J	31	2.91E+06	<0.1
VMW-5	63-2013	TWF63-25-360420	25	REG	75-71-8	Dichlorodifluoromethane	Dichlorodifluoromethane	29	J	39	2.61E+06	<0.1
	63-2013	TWF63-25-360420	25	REG	75-27-4	Bromodichloromethane	N/A	8.7	J	52	N/A	N/A
	63-2013	TWF63-25-360420	25	REG	67-66-3	Chloroform	Chloroform	59	NQ	38	2.30E+04	0.3
	63-2013	TWF63-25-360420	25	REG	71-55-6	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	10	J	43	1.16E+08	<0.1
	63-2013	TWF63-25-360420	25	REG	79-01-6	Trichloroethene	Trichloroethylene	330	NQ	42	1.57E+05	0.2
	63-2013	TWF63-25-360421	60	REG	75-71-8	Dichlorodifluoromethane	Dichlorodifluoromethane	54	NQ	38	5.38E+06	<0.1
	63-2013	TWF63-25-360421	60	REG	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	9.2	J	58	1.38E+09	<0.1
	63-2013	TWF63-25-360421	60	REG	56-23-5	Carbon Tetrachloride	Carbon tetrachloride	16	J	48	2.13E+05	<0.1
	63-2013	TWF63-25-360421	60	REG	127-18-4	Tetrachloroethene	Tetrachloroethylene	12	J	52	2.05E+06	<0.1
	63-2013	TWF63-25-360421	60	REG	79-01-6	Trichloroethene	Trichloroethylene	1200	NQ	41	9.27E+04	1.3
	63-2013	TWF63-25-360421	60	REG	67-66-3	Chloroform	Chloroform	30	J	37	4.44E+04	<0.1
	63-2013	TWF63-25-360421	60	REG	71-55-6	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	26	J	41	2.34E+08	<0.1
VMW-5 FD	63-2013	TWF63-25-360423	60	FD	75-71-8	Dichlorodifluoromethane	Dichlorodifluoromethane	59	NQ	39	5.38E+06	<0.1
	63-2013	TWF63-25-360423	60	FD	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	10	J	60	1.38E+09	<0.1
	63-2013	TWF63-25-360423	60	FD	56-23-5	Carbon Tetrachloride	Carbon tetrachloride	16	J	49	2.13E+05	<0.1
	63-2013	TWF63-25-360423	60	FD	127-18-4	Tetrachloroethene	Tetrachloroethylene	8.8	J	53	2.05E+06	<0.1
	63-2013	TWF63-25-360423	60	FD	79-01-6	Trichloroethene	Trichloroethylene	1200	NQ	42	9.27E+04	1.3
	63-2013	TWF63-25-360423	60	FD	67-66-3	Chloroform	Chloroform	29	J	38	4.44E+04	<0.1
	63-2013	TWF63-25-360423	60	FD	71-55-6	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	27	J	43	2.34E+08	<0.1

Notes: EPA Data Qualifiers "J" indicates analytes that are detected but results are estimated as less than the report detection limit and "NQ" indicates analytes that are detected above the report detection limit with no data qualifiers
REG = regular sample
FD = field duplicate
SGSL = Soil Gas Screening Level from Permit Part 3, Tables 3.14.3.1 through 3.14.3.3
N/A = not applicable

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Table 2. Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2025 Quarter 2

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	34	U	7.8	34	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	33	U	6.8	33	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	40	U	2.9	40	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	35	U	4.5	35	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	35	U	8.2	35	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	38	U	8.8	38	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	6.6	47	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	23	U	8	23	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	2.5	27	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	27	U	8.3	27	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	230	U	70	230	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	110	U	6.5	110	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	66	U	8.2	66	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	53	U	6.8	53	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	32	U	8.6	32	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	6.3	31	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	9.5	31	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	28	U	2.5	28	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	25	U	3.8	25	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	43	U	9.3	43	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	16	120	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	64	U	7.2	64	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	82	U	10	82	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	10	20	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	12	110	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	96	U	9.6	96	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	81	U	12	81	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	52	U	8	52	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	4.9	32	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	31	U	9.1	31	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	44	U	6.7	44	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	39	U	10	39	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	60	U	7.3	60	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	54	U	7.7	54	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	36	U	7.9	36	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	91	U	8.3	91	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	3.8	47	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	38	U	3.7	38	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	38	U	4.7	38	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	6.1	34	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-01-6	Trichloroethene	34	J	4.8	42	Y
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	6.5	32	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	22	130	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	38	U	4.1	38	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	3.1	29	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	36	U	3.6	36	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	36	U	5.1	36	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	6	47	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	49	U	13	49	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	11	130	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	38	U	5.9	38	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	73	U	20	73	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	96	U	9.3	96	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	74	U	5.2	74	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	38	U	3.2	38	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	8.2	43	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	12	54	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	330	U	100	330	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	34	U	8.7	34	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	60	U	13	60	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	6.2	17	N
63-2009	5	TWF63-25-360415	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	97	U	15	97	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-01-6	Trichloroethene	97	NQ	4.6	40	Y
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	32	U	7.4	32	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	6.4	32	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	38	U	2.8	38	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	4.5	34	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	7.7	34	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	36	U	8.4	36	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	44	U	6.6	44	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	100	U	15	100	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	60	U	7	60	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	80	U	9.5	80	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	9.7	19	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	100	U	12	100	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	90	U	9.3	90	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	76	U	12	76	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	50	U	8	50	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	30	U	4.4	30	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	29	U	8.7	29	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	42	U	6.2	42	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	37	U	9.9	37	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	57	U	7	57	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	52	U	7	52	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	34	U	7.4	34	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	90	U	8	90	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	40	U	7.6	40	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	29	U	9.1	29	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	2.4	27	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	4.7	35	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	44	U	6	44	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	47	U	13	47	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	100	U	10	100	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	36	U	5.9	36	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	90	U	14	90	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	30	U	6.5	30	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	100	U	21	100	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	36	U	4	36	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	28	U	3	28	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	34	U	3.5	34	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	7.7	22	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	26	U	2.4	26	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	25	U	7.9	25	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	73	200	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	6.5	100	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	63	U	7.8	63	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	50	U	6.5	50	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	30	U	8.2	30	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	29	U	5.9	29	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	51	U	12	51	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	300	U	100	300	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	32	U	8.2	32	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	44	U	3.7	44	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	36	U	3.5	36	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	70	U	18	70	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	91	U	8.8	91	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	70	U	5	70	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	36	U	3.1	36	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	3.8	24	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	40	U	8.7	40	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	57	U	13	57	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	16	U	6	16	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	36	U	4.6	36	N
63-2010	5	TWF63-25-360416	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	32	U	5.6	32	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	5.5	J	5.2	76	Y
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-01-6	Trichloroethene	75	NQ	4.9	42	Y
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	34	U	7.8	34	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	34	U	6.8	34	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	41	U	3	41	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	36	U	5	36	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	84	U	10	84	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	10	20	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	13	110	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	100	U	10	100	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	82	U	13	82	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	53	U	8	53	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	4.9	32	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	31	U	9.5	31	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	9.9	31	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	28	U	2.5	28	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	37	U	5.1	37	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	6.6	47	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	50	U	13	50	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	11	130	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	39	U	5.9	39	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	80	U	20	80	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	100	U	9.3	100	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	39	U	3.3	39	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	25	U	3.8	25	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	43	U	9.3	43	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	16	120	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	66	U	7.4	66	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	44	U	6.7	44	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	39	U	10	39	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	61	U	7.4	61	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	55	U	7.7	55	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	36	U	7.9	36	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	94	U	8.3	94	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	6.9	32	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	23	130	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	39	U	4.2	39	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	30	U	3.2	30	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	36	U	3.7	36	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	23	U	8.3	23	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	28	U	2.5	28	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	27	U	8.3	27	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	70	240	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	120	U	6.8	120	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	67	U	8.3	67	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	54	U	6.8	54	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	32	U	8.6	32	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	6.3	31	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	8.2	43	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	12	54	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	340	U	100	340	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	34	U	8.7	34	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	36	U	8.2	36	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	39	U	8.8	39	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	6.6	47	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	61	U	14	61	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	6.4	17	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	100	U	15	100	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	4	47	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	39	U	3.8	39	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	39	U	4.8	39	N
63-2011	5	TWF63-25-360417	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	6.1	34	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	54	NQ	10	39	Y
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	31	J	13	50	Y
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	16	J	6.8	54	Y
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-01-6	Trichloroethene	1900	NQ	4.9	42	Y
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	6.6	J	5.2	76	Y
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	88	NQ	3.3	39	Y
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	34	U	7.8	34	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	34	U	6.8	34	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	41	U	3	41	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	36	U	5	36	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	36	U	8.2	36	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	39	U	8.8	39	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	6.6	47	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	16	120	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	66	U	7.4	66	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	84	U	10	84	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	10	20	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	13	110	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	100	U	10	100	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	82	U	13	82	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	53	U	8	53	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	100	U	15	100	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	6.9	32	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	23	130	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	39	U	4.2	39	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	30	U	3.2	30	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	36	U	3.7	36	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	23	U	8.3	23	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	28	U	2.5	28	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	27	U	8.3	27	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	70	240	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	4.9	32	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	31	U	9.5	31	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	44	U	6.7	44	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	61	U	7.4	61	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	55	U	7.7	55	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	36	U	7.9	36	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	94	U	8.3	94	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	8.2	43	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	9.9	31	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	28	U	2.5	28	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	37	U	5.1	37	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	6.6	47	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	11	130	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	39	U	5.9	39	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	120	U	6.8	120	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	67	U	8.3	67	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	32	U	8.6	32	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	6.3	31	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	12	54	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	340	U	100	340	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	34	U	8.7	34	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	4	47	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	39	U	3.8	39	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	80	U	20	80	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	100	U	9.3	100	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	25	U	3.8	25	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	43	U	9.3	43	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	61	U	14	61	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	6.4	17	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	39	U	4.8	39	N
63-2012	25	TWF63-25-360418	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	6.1	34	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	120	NQ	10	39	Y
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	25	J	7.4	61	Y
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	88	NQ	13	50	Y
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-01-6	Trichloroethene	5900	NQ	4.9	42	Y
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	180	NQ	3.3	39	Y
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	66	NQ	6.8	54	Y
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	17	J	6.3	31	Y
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	34	U	7.8	34	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	34	U	6.8	34	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	41	U	3	41	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	36	U	5	36	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	84	U	10	84	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	10	20	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	13	110	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	100	U	10	100	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	82	U	13	82	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	53	U	8	53	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	4.9	32	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	31	U	9.5	31	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	44	U	6.7	44	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	9.9	31	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	28	U	2.5	28	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	37	U	5.1	37	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	6.6	47	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	11	130	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	39	U	5.9	39	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	80	U	20	80	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	12	54	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	340	U	100	340	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	34	U	8.7	34	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	4	47	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	39	U	3.8	39	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	55	U	7.7	55	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	36	U	7.9	36	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	94	U	8.3	94	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	8.2	43	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	6.9	32	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	23	130	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	39	U	4.2	39	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	30	U	3.2	30	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	36	U	3.7	36	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	23	U	8.3	23	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	28	U	2.5	28	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	100	U	9.3	100	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	76	U	5.2	76	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	25	U	3.8	25	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	43	U	9.3	43	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	16	120	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	66	U	7.4	66	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	27	U	8.3	27	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	70	240	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	120	U	6.8	120	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	67	U	8.3	67	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	32	U	8.6	32	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	36	U	8.2	36	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	39	U	8.8	39	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	6.6	47	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	61	U	14	61	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	6.4	17	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	100	U	15	100	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	39	U	4.8	39	N
63-2012	60	TWF63-25-360419	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	6.1	34	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	29	J	10	39	Y

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	8.7	J	8	52	Y
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	59	NQ	3.3	38	Y
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	10	J	9.3	43	Y
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-01-6	Trichloroethene	330	NQ	4.8	42	Y
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	60	U	7.4	60	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	54	U	7.7	54	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	36	U	7.9	36	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	91	U	8.3	91	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	64	U	7.4	64	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	82	U	10	82	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	10	20	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	13	110	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	96	U	9.6	96	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	81	U	12	81	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	4.9	32	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	31	U	9.5	31	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	44	U	6.7	44	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	73	U	20	73	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	96	U	9.3	96	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	74	U	5.2	74	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	25	U	3.8	25	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	16	120	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	97	U	15	97	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	6.9	32	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	23	130	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	38	U	4.2	38	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	3.1	29	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	36	U	3.7	36	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	23	U	8.3	23	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	2.5	27	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	27	U	8.3	27	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	230	U	70	230	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	110	U	6.8	110	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	66	U	8.3	66	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	53	U	6.8	53	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	32	U	8.6	32	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	6.3	31	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	6.4	17	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	34	U	7.8	34	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	33	U	6.8	33	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	40	U	2.9	40	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	35	U	4.5	35	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	35	U	8.2	35	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	38	U	8.8	38	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	6.6	47	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	60	U	14	60	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	9.5	31	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	28	U	2.5	28	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	36	U	5.1	36	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	6.6	47	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	49	U	13	49	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	11	130	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	38	U	5.9	38	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	8.2	43	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	12	54	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	330	U	110	330	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	34	U	8.7	34	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	3.9	47	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	38	U	3.7	38	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	38	U	4.8	38	N
63-2013	25	TWF63-25-360420	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	6.1	34	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	54	NQ	10	38	Y
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	9.2	J	7.2	58	Y
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	16	J	13	48	Y
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	12	J	6.6	52	Y
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-01-6	Trichloroethene	1200	NQ	4.7	41	Y
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	30	J	3.2	37	Y
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	26	J	9.3	41	Y
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	33	U	7.8	33	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	6.4	32	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	39	U	2.9	39	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	4.5	34	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	8.2	34	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	37	U	8.8	37	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	46	U	6.6	46	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	16	120	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	64	U	7.2	64	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	82	U	9.8	82	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	10	19	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	12	110	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	96	U	9.6	96	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	79	U	12	79	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	51	U	8	51	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	31	U	4.9	31	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	30	U	9.1	30	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	43	U	6.2	43	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	53	U	7.7	53	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	35	U	7.9	35	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	91	U	8	91	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	41	U	8.2	41	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	30	U	9.5	30	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	2.5	27	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	5.1	35	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	46	U	6	46	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	11	130	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	37	U	5.9	37	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	97	U	15	97	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	31	U	6.5	31	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	22	130	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	37	U	4.1	37	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	3.1	29	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	35	U	3.6	35	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	8	22	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	2.4	27	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	26	U	8.3	26	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	230	U	70	230	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	110	U	6.5	110	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	65	U	8.1	65	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	31	U	8.2	31	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	30	U	5.9	30	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	52	U	12	52	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	330	U	100	330	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	33	U	8.7	33	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	46	U	3.8	46	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	37	U	3.6	37	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	72	U	20	72	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	93	U	9.1	93	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	74	U	5.2	74	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	3.8	24	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	58	U	13	58	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	6.2	17	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	37	U	4.7	37	N
63-2013	60	TWF63-25-360421	4/30/2025	5/5/2025	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	33	U	6.1	33	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	75-71-8	Dichlorodifluoromethane	59	NQ	10	39	Y
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	10	J	7.3	60	Y
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	56-23-5	Carbon Tetrachloride	16	J	13	49	Y
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	127-18-4	Tetrachloroethene	8.8	J	6.8	53	Y
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	79-01-6	Trichloroethene	1200	NQ	4.8	42	Y
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	67-66-3	Chloroform	29	J	3.3	38	Y
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	71-55-6	Trichloroethane[1,1,1-]	27	J	9.3	43	Y
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	100-41-4	Ethylbenzene	34	U	7.8	34	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	100-42-5	Styrene	33	U	6.8	33	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	100-44-7	Benzyl Chloride	40	U	2.9	40	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	10061-01-5	Dichloropropene[cis-1,3-]	35	U	4.5	35	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	10061-02-6	Dichloropropene[trans-1,3-]	35	U	8.2	35	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	103-65-1	Propylbenzene[1-]	38	U	8.8	38	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	6.6	47	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	74-83-9	Bromomethane	120	U	16	120	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	74-87-3	Chloromethane	64	U	7.2	64	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	75-00-3	Chloroethane	82	U	10	82	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	75-01-4	Vinyl Chloride	20	U	10	20	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	75-09-2	Methylene Chloride	110	U	12	110	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	75-15-0	Carbon Disulfide	96	U	9.6	96	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	75-25-2	Bromoform	81	U	12	81	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	75-27-4	Bromodichloromethane	52	U	8	52	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	75-34-3	Dichloroethane[1,1-]	32	U	4.9	32	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	75-35-4	Dichloroethene[1,1-]	31	U	9.5	31	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	75-69-4	Trichlorofluoromethane	44	U	6.7	44	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	54	U	7.7	54	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	78-87-5	Dichloropropane[1,2-]	36	U	7.9	36	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	78-93-3	Butanone[2-]	91	U	8.3	91	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	8.2	43	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	9.5	31	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	1634-04-4	Methyl tert-Butyl Ether	28	U	2.5	28	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	540-84-1	Isooctane	36	U	5.1	36	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	6	47	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	591-78-6	Hexanone[2-]	130	U	11	130	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	622-96-8	Ethyltoluene[4-]	38	U	5.9	38	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	107-05-1	Chloro-1-propene[3-]	97	U	15	97	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	107-06-2	Dichloroethane[1,2-]	32	U	6.5	32	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	23	130	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	108-67-8	Trimethylbenzene[1,3,5-]	38	U	4.2	38	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	108-88-3	Toluene	29	U	3.1	29	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	108-90-7	Chlorobenzene	36	U	3.7	36	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	109-99-9	Tetrahydrofuran	23	U	8.3	23	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	110-54-3	Hexane	27	U	2.5	27	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	110-82-7	Cyclohexane	27	U	8.3	27	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	120-82-1	Trichlorobenzene[1,2,4-]	230	U	70	230	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	123-91-1	Dioxane[1,4-]	110	U	6.5	110	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	124-48-1	Chlorodibromomethane	66	U	8.3	66	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	142-82-5	n-Heptane	32	U	8.6	32	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	6.3	31	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	12	54	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	87-68-3	Hexachlorobutadiene	330	U	100	330	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	95-47-6	Xylene[1,2-]	34	U	8.7	34	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	3.9	47	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	95-63-6	Trimethylbenzene[1,2,4-]	38	U	3.7	38	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	98-82-8	Isopropylbenzene	38	U	4.8	38	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	6.1	34	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	64-17-5	Ethanol	73	U	20	73	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	67-63-0	Propanol[2-]	96	U	9.3	96	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	67-64-1	Acetone	74	U	5.2	74	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	71-43-2	Benzene	25	U	3.8	25	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	106-93-4	Dibromoethane[1,2-]	60	U	13	60	N
63-2013	60	TWF63-25-360423	4/30/2025	5/5/2025	VOC	EPA:TO15	FD	GAS	106-99-0	Butadiene[1,3-]	17	U	6.2	17	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	75-71-8	Dichlorodifluoromethane	38	U	10	38	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	58	U	7.2	58	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	53	U	7.7	53	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	78-87-5	Dichloropropane[1,2-]	35	U	7.9	35	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	78-93-3	Butanone[2-]	91	U	8	91	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	74-87-3	Chloromethane	64	U	7.2	64	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	75-00-3	Chloroethane	82	U	9.8	82	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	75-01-4	Vinyl Chloride	19	U	10	19	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	75-09-2	Methylene Chloride	110	U	12	110	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	75-15-0	Carbon Disulfide	96	U	9.6	96	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	75-25-2	Bromoform	79	U	12	79	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	75-27-4	Bromodichloromethane	51	U	8	51	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	75-34-3	Dichloroethane[1,1-]	31	U	4.9	31	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	75-35-4	Dichloroethene[1,1-]	30	U	9.1	30	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	75-69-4	Trichlorofluoromethane	43	U	6.2	43	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	64-17-5	Ethanol	72	U	20	72	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	67-63-0	Propanol[2-]	93	U	9.1	93	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	67-64-1	Acetone	74	U	5.2	74	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	67-66-3	Chloroform	37	U	3.2	37	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	71-43-2	Benzene	24	U	3.8	24	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	71-55-6	Trichloroethane[1,1,1-]	41	U	9.3	41	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	74-83-9	Bromomethane	120	U	16	120	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	107-05-1	Chloro-1-propene[3-]	97	U	15	97	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	107-06-2	Dichloroethane[1,2-]	31	U	6.5	31	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	22	130	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	108-67-8	Trimethylbenzene[1,3,5-]	37	U	4.1	37	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	108-88-3	Toluene	29	U	3.1	29	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	108-90-7	Chlorobenzene	35	U	3.6	35	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	109-99-9	Tetrahydrofuran	22	U	8	22	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	110-54-3	Hexane	27	U	2.4	27	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	110-82-7	Cyclohexane	26	U	8.3	26	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	120-82-1	Trichlorobenzene[1,2,4-]	230	U	70	230	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	123-91-1	Dioxane[1,4-]	110	U	6.5	110	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	124-48-1	Chlorodibromomethane	65	U	8.1	65	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	127-18-4	Tetrachloroethene	52	U	6.6	52	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	142-82-5	n-Heptane	31	U	8.2	31	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	156-59-2	Dichloroethene[cis-1,2-]	30	U	5.9	30	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	106-99-0	Butadiene[1,3-]	17	U	6.2	17	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	100-41-4	Ethylbenzene	33	U	7.8	33	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	100-42-5	Styrene	32	U	6.4	32	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	100-44-7	Benzyl Chloride	39	U	2.9	39	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	4.5	34	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	8.2	34	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	103-65-1	Propylbenzene[1-]	37	U	8.8	37	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	106-46-7	Dichlorobenzene[1,4-]	46	U	6.6	46	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	106-93-4	Dibromoethane[1,2-]	58	U	13	58	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	156-60-5	Dichloroethene[trans-1,2-]	30	U	9.5	30	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	2.5	27	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	540-84-1	Isooctane	35	U	5.1	35	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	541-73-1	Dichlorobenzene[1,3-]	46	U	6	46	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	56-23-5	Carbon Tetrachloride	48	U	13	48	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	591-78-6	Hexanone[2-]	130	U	11	130	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	622-96-8	Ethyltoluene[4-]	37	U	5.9	37	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	79-00-5	Trichloroethane[1,1,2-]	41	U	8.2	41	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	79-01-6	Trichloroethene	41	U	4.7	41	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	52	U	12	52	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	87-68-3	Hexachlorobutadiene	330	U	100	330	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	95-47-6	Xylene[1,2-]	33	U	8.7	33	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	95-50-1	Dichlorobenzene[1,2-]	46	U	3.8	46	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	95-63-6	Trimethylbenzene[1,2,4-]	37	U	3.6	37	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	98-82-8	Isopropylbenzene	37	U	4.7	37	N
63-2013	60	TWF63-25-360422	4/30/2025	5/5/2025	VOC	EPA:TO15	FB	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	33	U	6.1	33	N

Notes: Rows in **Bold** font indicate the analyte is detected.
FD = Field Duplicate
FB = Field Blank
U = Non-detect
J = Estimated Value
NQ = no data qualifier
UNK = unknown (there is no location ID for field blank)

Well ID (Port(ft))	Constituent	Parameter Code	Soil Gas Screening Level (ug/m3)	Q3 2023		Q4 2023		Q1 2024		Q2 2024		Q3 2024		Q4 2024		Q1 2025		Q2 2025	
				7/26/2023		11/1/2023		1/31/2024		4/30/2024		7/31/2024		10/30/2024		1/29/2025		4/30/2025	
				Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)
	Propanol[2-]	67-63-0	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-3 (5) 63-2011(FD)	Trichloroethylene	79-01-6	1.94E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-4 (25) 63-2012(FD)	Trichloroethylene	79-01-6	1.57E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethylene	127-18-4	2.63E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	56-23-5	1.06E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	67-66-3	2.30E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,1-Trichloroethane	71-55-6	1.16E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	75-71-8	2.61E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VWM-4 (60) 23-2012(FD)	Trichloroethylene	79-01-6	9.27E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethylene	127-18-4	2.05E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,2-Dichloroethylene	156-59-2	2.91E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	56-23-5	2.13E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	67-66-3	4.44E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	75-71-8	5.38E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Acetone	67-64-1	1.02E+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.38E+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-5 (25) 63-2013(FD)	Trichloroethylene	79-01-6	1.57E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethylene	127-18-4	2.63E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	67-66-3	2.30E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,1-Trichloroethane	71-55-6	1.16E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	75-71-8	2.61E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-5 (60) 63-2013(FD)	Trichloroethylene	79-01-6	9.27E+04	1100	1.2	1700	1.8	1300	1.4	1400	1.5	1100	1.2	1100	1.2	1200	1.3	1200	1.3
	Carbon tetrachloride	56-23-5	2.13E+05	14	<0.1	24	<0.1	15	<0.1	16	<0.1	16	<0.1	16	<0.1	13	<0.1	16	<0.1
	1,1,1-Trichloroethane	71-55-6	2.34E+08	27	<0.1	40	<0.1	25	<0.1	26	<0.1	20	<0.1	23	<0.1	23	<0.1	27	<0.1
	Dichlorodifluoromethane	75-71-8	5.38E+06	59	<0.1	79	<0.1	46	<0.1	49	<0.1	50	<0.1	54	<0.1	54	<0.1	59	<0.1
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.38E+09	-	-	18	<0.1	12	<0.1	14	<0.1	13	<0.1	15	<0.1	-	-	10	<0.1
	Chloroform	67-66-3	4.44E+04	24	0.1	39	<0.1	23	<0.1	25	<0.1	24	<0.1	28	<0.1	26	<0.1	29	<0.1
	Methylethylketone (2-butanone)	78-93-3	2.27E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethylene	127-18-4	2.63E+06	-	-	19	<0.1	-	-	13	<0.1	-	-	8.1	-	11	<0.1	8.8	<0.1
	1,2,4-Trimethylbenzene	95-63-6	4.12E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon Disulfide	75-15-0	2.59E+07	-	-	12	N/A	-	-	-	-	-	-	-	-	-	-	-	-
	Benzene	71-43-2	1.54E+05	-	-	3.5	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
	Ethanol	64-17-5	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Propanol[2-]	67-63-0	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrahydrofuran	109-99-9	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	m-Xylene	108-38-3	1.01E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	p-Xylene	106-42-3	9.77E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: FD = Field Duplicate
“-” = Non-Detect
SGSL = Soil Gas Screening Level

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Table 4. Statistical Analyses of TCE results

	VMW- 1 5ft ($\mu\text{g}/\text{m}^3$)	VMW- 2 5ft ($\mu\text{g}/\text{m}^3$)	VMW- 3 5ft ($\mu\text{g}/\text{m}^3$)	VMW- 4 25ft ($\mu\text{g}/\text{m}^3$)	VMW- 4 60ft ($\mu\text{g}/\text{m}^3$)	VMW- 5 25ft ($\mu\text{g}/\text{m}^3$)	VMW- 5 60ft ($\mu\text{g}/\text{m}^3$)
Q1 2017	64.4	134	69.8	3810	8060	483	1340
Q1 2018	31.1	80.6	64.4	2793	6982	258	1343
Q2 2018	48.3	129	96.7	3437	8593	414	1557
Q3 2018	53.7	85.9	59.1	2954	8056	344	1504
Q4 2018	43.5	107	75.2	2900	8056	365	1396
Q1 2019	36	113	85.9	2900	7520	360	1400
Q2 2019	44	118	107	2790	7520	360	1560
Q3 2019	59.1	102	85.9	3010	8590	424	1500
Q4 2019	40.3	96.7	64.4	2790	6980	338	1400
Q1 2020	41.9	102	75.2	2740	7520	392	1500
Q2 2020	41	97	97	2800	7500	380	1400
Q3 2020	59	86	75	2600	7500	390	1400
Q4 2020	44	130	86	2600	7500	400	1300
Q1 2021	43	97	75	2600	7000	360	1300
Q2 2021	41	100	97	2500	7500	360	1300
Q3 2021	50	70	59	2100	6400	310	1200
Q4 2021	40	100	75	2200	6400	300	1200
Q1 2022	30	86	50	2200	6400	350	1200
Q2 2022	45	97	86	2000	5900	300	1200
Q3 2022	70	81	59	2000	4100	310	1200
Q4 2022	37	100	50	2000	5900	300	1200
Q1 2023	26	75	64	2400	3100	280	1000
Q2 2023	41	100	70	2100	5000	290	1000
Q3 2023	44	59	59	1800	5000	280	970
Q4 2023	41	100	91	2300	6400	340	1300
Q1 2024	47	100	75	2300	6400	370	1500
Q2 2024	46	110	81	2400	7000	400	1400
Q3 2024	44	75	53	1900	5000	310	1100
Q4 2024	43	91	64	2000	5000	320	1100
Q1 2025	33	100	59	1900	5000	330	1200
Q2 2025	34	97	75	1900	5900	330	1200
Mean (M)	44.2	97.4	73.6	2494.1	6595.9	347.3	1299.0
Standard Deviation (SD)[n-1]	9.6	17.2	15.2	477.8	1354.1	50.2	165.8
2SD Lower Limit (M-2SD)	24.9	62.9	43.2	1538.5	3887.7	246.9	967.5
2SD Upper Limit (M+2SD)	63.5	131.9	104.0	3449.8	9304.1	447.7	1630.5
3SD Lower Limit (M-3SD)	15.3	45.7	28.0	1060.7	2533.7	196.7	801.7
3SD Upper Limit(M+3SD)	73.2	149.1	119.2	3927.6	10658.1	497.9	1796.3

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SAMPLE COLLECTION LOGS

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SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16903

EVENT NAME: FY25 - Poregas Sampling - April - TA-63 - TWF

SAMPLE ID: TWF63-25-360415

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2025	FIELD MATRIX:	GAS	OK
TIME COLLECTED (HH:MM):		0908	MEDIA:	GAS	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2009	OK	FIELD PREP:	N/A	
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	
TOP DEPTH:	6.5 ft		SAMPLE USAGE:	INV	↓
BOTTOM DEPTH:	7.5 ft	↓	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	TO15	6 Liter Summa Canister	1	NONE	Y	6 Liter Summa

SAMPLE COMMENTS:

Port 1

LOCATION COMMENTS:

Summa # 34 # 1256

FIELD PARAMETERS:

Sample Time _____ HH:MM.

CH₄ = 0 % CO₂ = 11200 ppm O₂ = 20.0 % VOC = 0.0 ppm

COMPLETED BY (PRINT): m. stasny

COLLECTED BY (PRINT): m. stasny

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) Melissa Stasny (Signature) <i>[Signature]</i>	Date/Time 04/30/2025 1227	RECEIVED BY (Printed Name) <i>[Signature]</i> (Signature) <i>[Signature]</i>	Date/Time 04/30/25 1227
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16903

EVENT NAME: FY25 - Poregas Sampling - April - TA-63 - TWF

SAMPLE ID: TWF63-25-360416

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2025	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		0930	MEDIA:	Guts	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2010	6/c	FIELD PREP:	Nit	
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	
TOP DEPTH:	6.5 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	7.5 ft		EXCAVATED:		YES / NO / <u>NA</u>

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	TO15	6 Liter Summa Canister	1	NONE	1	6 Liter Summa

SAMPLE COMMENTS:

Port 1

LOCATION COMMENTS:

Summa # 21411

FIELD PARAMETERS:

Sample Time _____ HH:MM

CH₄ = 0 % CO₂ = 7000 ppm O₂ = 20.9 % VOC = 0.0 ppm

COMPLETED BY (PRINT): m. Stating

COLLECTED BY (PRINT): m. Stating

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) m. Stating (Signature) <i>m. Stating</i>	Date/Time 04/30/2025 1227	RECEIVED BY (Printed Name) <i>Michael Hup</i> (Signature) <i>[Signature]</i>	Date/Time 4/30/25 1227
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16903

EVENT NAME: FY25 - Poregas Sampling - April - TA-63 - TWF

SAMPLE ID: TWF63-25-360417

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2025	FIELD MATRIX:	GAS	OK
TIME COLLECTED (HH:MM):		0952	MEDIA:	6145	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2011	OK	FIELD PREP:	NH	
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	
TOP DEPTH:	6.5 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	7.5 ft	✓	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
N4	TO15	6 Liter Summa Canister	1	NONE	Y	6 Liter Summa

SAMPLE COMMENTS:

Port 1

LOCATION COMMENTS:

Summa # 3946

FIELD PARAMETERS:

Sample Time _____ HHMM

CH₄ = 0 % CO₂ = 5000 ppm O₂ = 20.9 % VOC = 0.0 ppm

COMPLETED BY (PRINT): m. shasta

COLLECTED BY (PRINT): m. shenda

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) (Signature) <i>m. shasta</i>	Date/Time 04/30/2025 1227	RECEIVED BY (Printed Name) (Signature) <i>Michael Rupp</i>	Date/Time 4/30/25 1227
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16903

EVENT NAME: FY25 - Poregas Sampling - April - TA-63 - TWF

SAMPLE ID: TWF63-25-360418

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2025	FIELD MATRIX:	GAS	o/c
TIME COLLECTED (HH:MM):		1033	MEDIA:	GAS	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2012	ok	FIELD PREP:	N/A	
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	
TOP DEPTH:	24 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	25 ft		EXCAVATED:		YES / NO / <u>NA</u>

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	TO15	6 Liter Summa Canister	1	NONE	✓	6 Liter Summa

SAMPLE COMMENTS: Port 1

LOCATION COMMENTS: Summa # 2586

FIELD PARAMETERS:

Sample Time _____ HH:MM

CH₄ = 0 % CO₂ = 3800 ppm O₂ = 20.7 % VOC = 0.0 ppm

COMPLETED BY (PRINT): m. starr

COLLECTED BY (PRINT): m. starr

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) m. starr (Signature) <i>m. starr</i>	Date/Time 04/30/2025 1227	RECEIVED BY (Printed Name) Melissa Rupp (Signature) <i>Melissa Rupp</i>	Date/Time 4/30/25 1227
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16903

EVENT NAME: FY25 - Poregas Sampling - April - TA-63 - TWF

SAMPLE ID: TWF63-25-360419

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2025	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1057	MEDIA:	GMS	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2012	ok	FIELD PREP:	NA	
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	
TOP DEPTH:	59 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	60 ft		EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	TO15	6 Liter Summa Canister	1	NONE	Y	6 Liter Summa

SAMPLE COMMENTS:

Port 2

LOCATION COMMENTS:

Summa # 06526

FIELD PARAMETERS:

Sample Time _____ HH:MM

CH₄ = 0 % CO₂ = 3400 ppm O₂ = 20.9 % VOC = 0.0 ppm

COMPLETED BY (PRINT): M. Stastny

COLLECTED BY (PRINT): M. Stastny

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) (Signature)	Date/Time 04/30/2025 1227	RECEIVED BY (Printed Name) (Signature)	Date/Time 4/30/25 1229
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16903

EVENT NAME: FY25 - Poregas Sampling - April - TA-63 - TWF

SAMPLE ID: TWF63-25-360420

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2025	FIELD MATRIX:	GAS	O/C
TIME COLLECTED (HH:MM):		1130	MEDIA:	GWS	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2013	O/C	FIELD PREP:	NA	
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	
TOP DEPTH:	24 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	25 ft		EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	TO15	6 Liter Summa Canister	1	NONE	Y	6 Liter Summa

SAMPLE COMMENTS:

Port 1

LOCATION COMMENTS:

Summa # N6043

FIELD PARAMETERS:

Sample Time _____ HH:MM

CH₄ = 0 % CO₂ = 14600 ppm O₂ = 19.7 % VOC = 0.0 ppm

COMPLETED BY (PRINT): m. stasun

COLLECTED BY (PRINT): m. Begay

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) Melissa Stasun (Signature)	Date/Time 04/30/2025 1227	RECEIVED BY (Printed Name) Melissa Stasun (Signature)	Date/Time 4/30/25 1227
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16903

EVENT NAME: FY25 - Poregas Sampling - April - TA-63 - TWF

SAMPLE ID: TWF63-25-360421

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2025	FIELD MATRIX:	GAS	OK
TIME COLLECTED (HH:MM):		1150	MEDIA:	GAS	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2013	OK	FIELD PREP:	UA	
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	
TOP DEPTH:	59 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	60 ft		EXCAVATED:		YES / NO / ☒ NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
~ A	TO15	6 Liter Summa Canister	1	NONE	Y	6 Liter Summa

SAMPLE COMMENTS:

ms
4/29/25
Sum Port 2

LOCATION COMMENTS:

Summa # 62415

FIELD PARAMETERS:

Sample Time _____ HH:MM

 $CH_4 = \underline{\quad\quad} \% \quad CO_2 = \underline{3800} \text{ ppm} \quad O_2 = \underline{20.9} \% \quad VOC = \underline{0.1} \text{ ppm}$

COMPLETED BY (PRINT): m. statin

COLLECTED BY (PRINT): m. bogay

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) (Signature) <i>m. statin</i>	Date/Time 04/30/2025 1227	RECEIVED BY (Printed Name) (Signature) <i>Melissa Ruff</i>	Date/Time 4/30/25 1227
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16903

EVENT NAME: FY25 - Poregas Sampling - April - TA-63 - TWF

SAMPLE ID: TWF63-25-360422

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2025	FIELD MATRIX:	GAS	OLC
TIME COLLECTED (HH:MM):		11:58	MEDIA:	Nitrogen	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2013	OK	FIELD PREP:	NA	
LOCATION TYPE:	AMS	OK	FIELD QC TYPE:	FB	
TOP DEPTH:		NA	SAMPLE USAGE:	QC	↓
BOTTOM DEPTH:		NA	EXCAVATED:		YES / NO / <u>NA</u>

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	TO15	6 Liter Summa Canister	1	NONE	Y	6 Liter Summa

SAMPLE COMMENTS: QC sample of TWF63-25-360421

LOCATION COMMENTS: Summa # 05359

FIELD PARAMETERS:

Sample Time NA HH:MM

COMPLETED BY (PRINT): m. shaw

COLLECTED BY (PRINT): m. shaw

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) (Signature) <u>m. shaw</u>	Date/Time 04/30/2025 1227	RECEIVED BY (Printed Name) (Signature) <u>Chloe M. [Signature]</u>	Date/Time 4/30/25 1227
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16903

EVENT NAME: FY25 - Poregas Sampling - April - TA-63 - TWF

SAMPLE ID: TWF63-25-360423

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2025	FIELD MATRIX:	GAS	OK
TIME COLLECTED (HH:MM):		11:51	MEDIA:	GLH	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2013	OK	FIELD PREP:	NA	
LOCATION TYPE:	AMS		FIELD QC TYPE:	FD	
TOP DEPTH:	59 ft		SAMPLE USAGE:	QC	✓
BOTTOM DEPTH:	60 ft	✓	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	TO15	6 Liter Summa Canister	1	NONE	Y	6 Liter Summa

SAMPLE COMMENTS:

Port 2

LOCATION COMMENTS:

Summa # NP646

FIELD PARAMETERS:

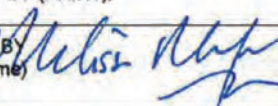
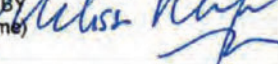
Sample Time _____ HH:MM

CH₄ = 0 % CO₂ = 3800 ppm O₂ = 20.9 % VOC = 0.1 ppm

COMPLETED BY (PRINT): m. Stastny

COLLECTED BY (PRINT): m. Stastny

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) m. Stastny (Signature) 	Date/Time 04/30/2025 1227	RECEIVED BY (Printed Name)  (Signature) 	Date/Time 4/30/25 1227
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time