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Symbol: EPC-DO-24-150
Date: June 13, 2024
LA-UR: 24-25684

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 2024, Quarter 2, April

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 2024, Quarter 2, April* 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 2024, Quarter 2 sampling conducted on April 30, 2024. The sampling results indicate that vapor concentrations at the site do not exceed the soil gas screening levels established by the Permit.

A 15-day notification, in compliance with Permit Part 3, Section 3.14.3 was submitted to the NMED-HWB on June 3, 2024, to report a detection of ethanol in vapor monitoring well VMW-2 for the first time. The results are also discussed in the attached 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 Jason Hill (Triad) at (505) 551-2218 or by email at jshill@lanl.gov.

Sincerely,

STEVEN STORY (Affiliate)
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Steven L. Story
Division Leader
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Sincerely,

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Robert A. Gallegos
Program Manager
Environmental Permitting and Compliance Program
National Nuclear Security Administration
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SLS/RAG

Enclosure: *Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2024, Quarter 2, April*

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A 15-day notification, in compliance with Permit Part 3, Section 3.14.3 was submitted to the NMED-HWB on June 3, 2024, to report a detection of ethanol in vapor monitoring well VMW-2 for the first time. The results are also discussed in the attached 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.

ENCLOSURE

Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2024, Quarter 2, April

Date: June 13, 2024

EPC-DO-24-150
LA-UR-24-25684

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.

STEVEN STORY (Affiliate)
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Steven L. Story
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Date Signed

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Robert A. Gallegos
Program Manager
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Technical Area 63 Transuranic Waste Facility
Soil Vapor Monitoring System Report, Calendar Year 2024, Quarter 2, April

I Introduction

This report provides the calendar year (CY) 2024, Quarter 2, April (CY2024, 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). 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. Quarterly sampling is required by the LANL Hazardous Waste Facility Permit (Permit) Part 3, Section 3.14.3, *Subsurface Vapor Monitoring*, to prevent worker exposure to potentially harmful levels of volatile organic compounds (VOCs) at the site. Sampling and laboratory analytical results for CY2024, Quarter 2 confirm that VOC concentrations in the soil gas at the site are stable and do not exceed the screening levels established by the Permit.

The report presents the background of the soil vapor sampling conducted at the TWF, 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. Tables in the report present the data in several ways.

Table 1, *Detected Volatile Organic Compounds at TA-63 Transuranic Waste Facility – CY2024, Quarter 2*, presents a summary of the detected laboratory VOCs analytical results. The table provides results for both non-qualified and estimated (J-qualified) detections. Each well port depth and constituent of concern have an associated soil gas screening level (SGSL), presented in Table 1, for comparison with the analytical results. Relative constituent concentrations are presented using a calculated percentage of the analytical results to 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 – CY2024, Quarter 2*. These data include all detect and non-detect analytical results.

New Mexico Environment Department-Hazardous Waste Bureau (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 current and previous quarterly soil gas laboratory analytical results for comparison and tracking.

II Background

On December 23, 2013, the 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 coincides with commencement of waste activities at the site in December 2017. Quarterly reports for the last twenty-six quarters are listed in the references section (LANL 2017 through LANL 2024a).

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.

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 SGSLs for each of the vapor monitoring well sample ports at 5 ft, 25 ft, and 60 ft. The SGSLs are based on U.S. Environmental Protection Agency (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. The primary constituent of concern at the site is trichloroethylene (TCE).

III Soil Vapor Sampling

Field work for the CY2024, Quarter 2 sampling event occurred on April 30, 2024. 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 EPA TO-15 method as required by Permit Section 3.14.3. Field personnel collected a total of nine (9) samples, including one field duplicate from VMW-5, 60-ft port and one field blank sample. The samples were analyzed for the constituents identified in the Permit Tables. There were no variances in the sampling procedures from the Permit requirements.

IV Analytical Results

Several constituents of concern are regularly detected in the soil vapor monitoring network. For all of the vapor monitoring wells, the most regularly detected constituent is TCE, consistently exhibiting 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 2400 micrograms per cubic meter ($\mu g/m^3$) (1.5% of the SGSL) and 7000 $\mu g/m^3$ (7.6% of the SGSL) at the 25-ft and 60-ft port depths, respectively. The TCE concentrations measured in VMW-5 are 400 $\mu g/m^3$ (0.3% of the SGSL) and 1400 $\mu g/m^3$ (1.5% 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%, 0.6%, and 0.4%, respectively.

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 78 μg/m^3 (0.3% of the SGSL) and 170 μg/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 μg/m^3 (0.3% of the SGSL) and 25 μg/m^3 (J-qualified or estimated) (<0.1% of the SGSL) in the 25-ft and 60-ft sampling ports, respectively. Starting in 2023, VMW-2, 5-ft sampling port also indicates the presence of chloroform. This quarter, the concentration is detected at 4.1 μg/m^3 (J) (<0.1% of the SGSL).

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 are very low at 0.1% or less of the relevant SGSLs.

Additional Analytic Results Discussion

Occasionally, additional VOCs are detected in the vapor monitoring wells. The Permit Part 3, Section 3.14.3, requires notification to the NMED-HWB when a constituent is detected that has not previously been detected, when a detection exceeds half of the SGSL, and when the detected concentration that exceeds half of the SGSL increases for the third consecutive sampling event. Notifications submitted to date have been for newly detected constituents. Constituents that are not listed in the Permit Tables are also occasionally detected and reported. These detects are discussed below. Based on communications from NMED-HWB (NMED 2022), monitoring for the constituents will be continued.

The field duplicate sample for vapor monitoring well VMW-5, 60-ft port has demonstrated the presence of several constituents over the sampling period. 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 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 CY2024, Quarter 2 sampling event.

CY2021, Quarter 4 analytical results for the sample collected from VMW-1 indicated the detection of xylene[1,3-]+xylene[1,4-] (m-xylene and p-xylene), below the laboratory report detection limit. These constituents are included in the Permit Tables. Data confirm that there are no detections for xylene isomers at VMW-1 for CY2024, Quarter 2.

Ethanol and propanol[2-] (isopropyl alcohol) have been detected at estimated (J-qualified) concentrations in vapor monitoring wells VMW-1 and VMW-4 in previous sampling events. Neither of these constituents are listed in the Permit Tables, so there are no associated Permit SGSLs for comparison. The constituents have been detected in the 5-ft port of VMW-1 and in both the 25 and 60-ft ports in VMW-4. For this quarter, ethanol is detected again in VMW-1, 5-ft port at 34 μg/m^3 (J) and for the first time in VMW-2, 5-ft port at 40 μg/m^3 (J). A notice regarding the detection in VMW-2, 5-ft port was submitted on June 3, 2024 in accordance with the Permit. There are no issues with the laboratory results and the presence of ethanol will continue to be monitored as part of routine sampling. Propanol[2-] was not detected this quarter in any of the monitoring wells.

Bromodichloromethane has been detected in VMW-4 and VMW-5 in previous sampling events. Bromodichloromethane is not included as a constituent of concern in the Permit Tables, so the results cannot be compared to a SGSL; however, the results have been well below the report detection limit and estimated (J-flagged). The analytical results for CY 2024, Quarter 2 indicate the presence of bromodichloromethane in the VMW-4, in the 25-ft sampling port at a concentration of 5.0 μg/m^3 (J).

A faulty nitrogen tank resulted in field blank sample issues starting in CY2019, Quarter 1 through CY2021, Quarter 1 (LANL 2019a through LANL 2021b). Analytical results indicated the presence of ethylbenzene and xylene isomers. These constituents are listed in the Permit tables; however, the constituents were not present in any samples collected directly from the five soil vapor monitoring wells. A new ultra-high pure nitrogen tank was purchased and used for field blank sample collection, which resulted in no detectable amounts of ethylbenzene or xylene isomers; no field blank issues are noted since this tank has been used.

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, 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.

To date, the detected TCE concentrations remain within three standard deviations of the mean concentration for each vapor monitoring well and sampling port. Therefore, the TCE concentration data appear to be in statistical control, which indicates that there are no significant deviations from the mean. This also indicates that TCE concentrations across all sampling quarters are relatively stable over time.

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*, present data plots of the last eight quarters of TCE data for each well and port to evaluate whether any significant data trends over time are discernable. The trend line plots for each well and port depth are mostly flat. Although the trend lines for VMW-2, VMW-3, VMW-4 (60 ft), and VMW-5 (60 ft) appear to have slight positive slopes over the last eight quarters, the statistical analysis of TCE concentrations over all quarters indicates that the data are relatively stable for all wells and sampling ports in the long term, and the complete data set for each well and port demonstrates a downward trendline. The concentrations detected are also significantly below the permitted maximum SGSL constituent concentrations for TCE (by at least one order of magnitude). Additionally, there does not appear to be a relationship between well results that would indicate seasonal variations.

VI References

LANL 2015. “TA-63 Transuranic Waste Facility Soil Vapor Monitoring System Report,” (ENV-DO-15-0305), October 29, 2015. Los Alamos National Laboratory, Los Alamos, New Mexico.

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.

LANL 2018b. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 3, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO:18-245) of June 28, 2018. Los Alamos National Laboratory, Los Alamos, New Mexico.

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 2019a. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 6, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO:19-103) of April 4, 2019. Los Alamos National Laboratory, Los Alamos, New Mexico.

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 2020b. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Additional Information, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO:20-121) of March 26, 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.

LANL 2020d. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 11, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO:20-196) of June 30, 2020. Los Alamos National Laboratory, Los Alamos, New Mexico.

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.

LANL 2021c. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 15, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO-21-181) of June 28, 2021. Los Alamos National Laboratory, Los Alamos, New Mexico.

LANL 2021d. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, August 2021 (Quarter 16) Los Alamos National Laboratory, EPA ID# NM0890010515,” (EPC-DO-21-295) of October 4, 2021. Los Alamos National Laboratory, Los Alamos, New Mexico.

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.

LANL 2022b. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, February 2022 (Quarter 18) Los Alamos National Laboratory, EPA ID# NM0890010515,” (EPC-DO-22-093) of March 29, 2022. Los Alamos National Laboratory, Los Alamos, New Mexico.

LANL 2022c. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, May 2022 (Quarter 19) Los Alamos National Laboratory, EPA ID# NM0890010515,” (EPC-DO-22-169) of July 5, 2022. Los Alamos National Laboratory, Los Alamos, New Mexico.

LANL 2022d. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, July 2022 (Quarter 20) Los Alamos National Laboratory, EPA ID# NM0890010515,” (EPC-DO-22-251) of September 26, 2022. Los Alamos National Laboratory, Los Alamos, New Mexico.

LANL 2022e. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, October 2022 (Quarter 21) Los Alamos National Laboratory, EPA ID# NM0890010515,” (EPC-DO-22-342) of December 20, 2022. Los Alamos National Laboratory, Los Alamos, New Mexico.

LANL 2023a. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, January 2023 (Quarter 22) Los Alamos National Laboratory, EPA ID# NM0890010515,” (EPC-DO-23-103) of March 27, 2023. Los Alamos National Laboratory, Los Alamos, New Mexico.

LANL 2023b. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 2, April 2023, Los Alamos National Laboratory, EPA ID# NM0890010515,” (EPC-DO-23-183) of June 26, 2023. Los Alamos National Laboratory, Los Alamos, New Mexico.

LANL 2023c. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 3, July 2023, Los Alamos National Laboratory, EPA ID# NM0890010515,” (EPC-DO-23-284) of September 25, 2023. Los Alamos National Laboratory, Los Alamos, New Mexico.

LANL 2023d. “15-Day Notification of Newly Detected Constituent in Vapor Monitoring Well, Technical Area 63, Transuranic Waste Facility,” (EPC-DO-23-377) of December 7, 2023. Los Alamos National Laboratory, Los Alamos, New Mexico.

LANL 2023e. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2023, Quarter 4, November 2023, Los Alamos National Laboratory, EPA ID# NM0890010515,” (EPC-DO-23-379) of December 18, 2023. Los Alamos National Laboratory, Los Alamos, New Mexico.

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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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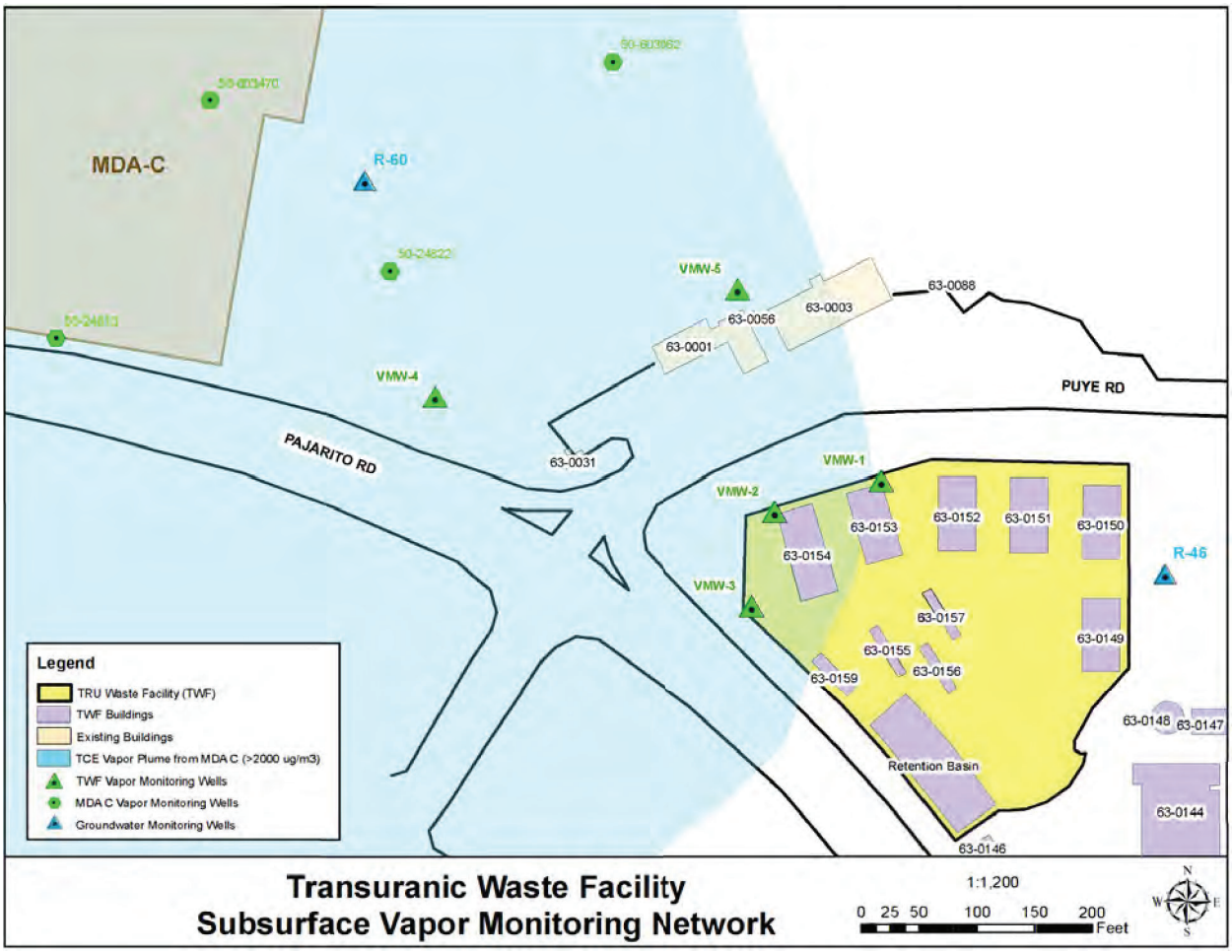
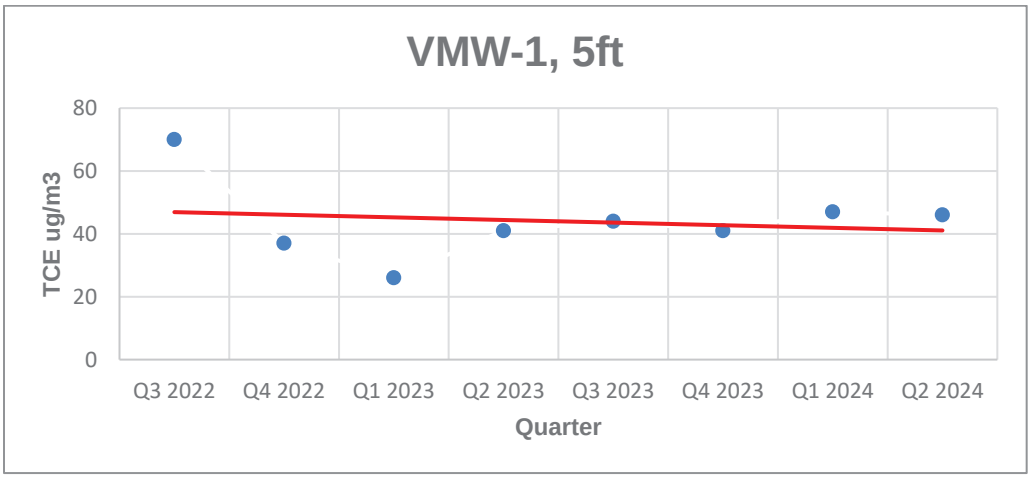
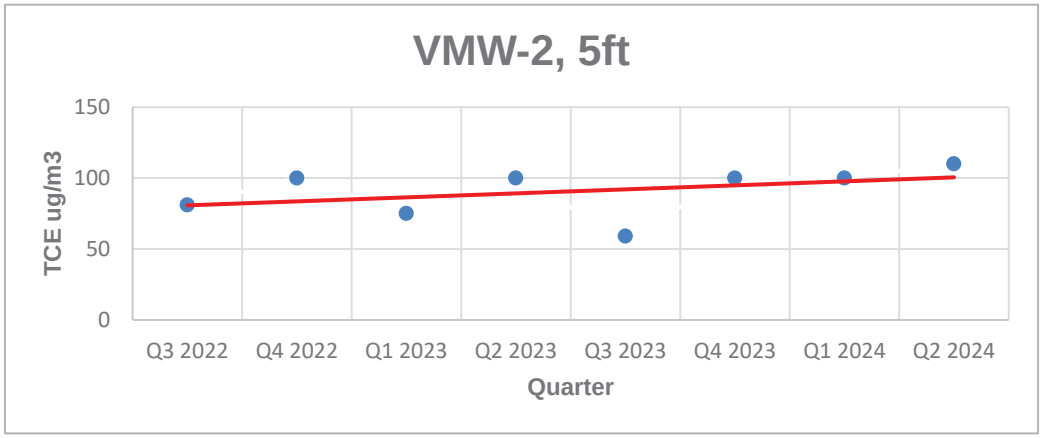


Figure 1. Soil vapor monitoring well locations at TA-63 TWF.





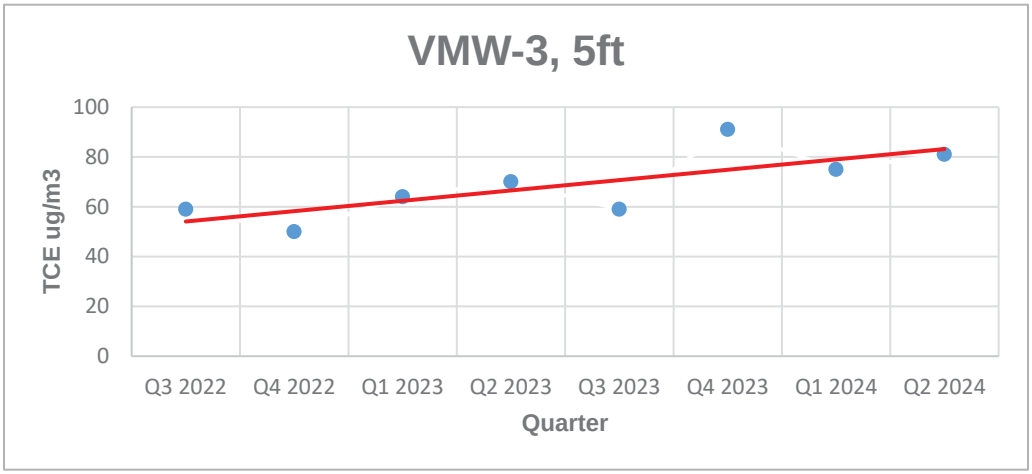


Figure 2. Data plots for TA-63 TWF soil vapor monitoring wells inside the permitted unit.



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 – CY2024 Quarter 2

Well ID	Field Sample ID	Port Depth	Sample Purpose	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)	TWF63-24-315610	5	REG	Trichloroethene	Trichloroethylene	46	NQ	42	1.94E+04	0.2
	TWF63-24-315610	5	REG	Ethanol	N/A	34	J	73	N/A	N/A
	TWF63-24-315610	5	REG	Dichlorodifluoromethane	Dichlorodiflouromethane	4.9	J	39	1.03E+06	<0.1
	TWF63-24-315610	5	REG	Toluene	Toluene	3.8	J	29	4.70E+07	<0.1
VMW-2 (63-2010)	TWF63-24-315611	5	REG	Chloroform	Chloroform	4.1	J	39	1.08E+04	<0.1
	TWF63-24-315611	5	REG	Ethanol	N/A	40	J	80	N/A	N/A
	TWF63-24-315611	5	REG	Dichlorodifluoromethane	Dichlorodiflouromethane	5.9	J	39	1.03E+06	<0.1
	TWF63-24-315611	5	REG	Toluene	Toluene	4.5	J	30	4.70E+07	<0.1
	TWF63-24-315611	5	REG	Trichloroethene	Trichloroethylene	110	NQ	42	1.94E+04	0.6
VMW-3 (63-2011)	TWF63-24-315612	5	REG	Trichloroethene	Trichloroethylene	81	NQ	41	1.94E+04	0.4
	TWF63-24-315612	5	REG	Dichlorodifluoromethane	Dichlorodifluoromethane	6.4	J	38	1.03E+06	<0.1
VMW-4 (63-2012)	TWF63-24-315613	25	REG	Dichlorodifluoromethane	Dichlorodiflouromethane	48	NQ	38	2.61E+06	<0.1
	TWF63-24-315613	25	REG	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	12	J	58	6.86E+08	<0.1
	TWF63-24-315613	25	REG	Carbon Tetrachloride	Carbon Tetrachloride	36	J	48	1.06E+05	<0.1
	TWF63-24-315613	25	REG	Chloroform	Chloroform	78	NQ	37	2.30E+04	0.3
	TWF63-24-315613	25	REG	Tetrachloroethene	Tetrachloroethylene	31	J	52	2.63E+06	<0.1
	TWF63-24-315613	25	REG	Bromodichloromethane	N/A	5.0	J	51	N/A	N/A
	TWF63-24-315613	25	REG	Trichloroethene	Trichloroethylene	2400	NQ	41	1.57E+05	1.5
VMW-4 (63-2012)	TWF63-24-315614	60	REG	Carbon Tetrachloride	Carbon Tetrachloride	88	NQ	48	2.13E+05	<0.1
	TWF63-24-315614	60	REG	Dichlorodifluoromethane	Dichlorodiflouromethane	110	NQ	38	5.38E+06	<0.1
	TWF63-24-315614	60	REG	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	28	J	58	1.38E+09	<0.1
	TWF63-24-315614	60	REG	Tetrachloroethene	Tetrachloroethylene	75	NQ	52	2.05E+06	<0.1
	TWF63-24-315614	60	REG	Dichloroethene[cis-1,2-]	cis-1,2-Dichloroethylene	13	J	30	2.91E+06	<0.1
	TWF63-24-315614	60	REG	Trichlorofluoromethane	Trichlorofluoromethane	5.3	J	43	3.01E+07	<0.1
	TWF63-24-315614	60	REG	Chloroform	Chloroform	170	NQ	37	4.44E+04	0.4
	TWF63-24-315614	60	REG	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	7.6	J	41	2.34E+08	<0.1
	TWF63-24-315614	60	REG	Trichloroethene	Trichloroethylene	7000	NQ	41	9.27E+04	7.6
VMW-5 (63-2013)	TWF63-24-315615	25	REG	Dichlorodifluoromethane	Dichlorodiflouromethane	31	J	41	2.61E+06	<0.1
	TWF63-24-315615	25	REG	Trichloroethene	Trichloroethylene	400	NQ	44	1.57E+05	0.3

Well ID	Field Sample ID	Port Depth	Sample Purpose	Analyte Name	Analyte Listing in Permit	Report Result (µg/m3)	EPA Data Qualifier	Report Detection Limit (µg/m3)	SGSL (µg/m3)	% SGSL
	TWF63-24-315615	25	REG	Chloroform	Chloroform	59	NQ	40	2.30E+04	0.3
	TWF63-24-315615	25	REG	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	14	J	45	1.16E+08	<0.1
VMW-5 (63-2013)	TWF63-24-315616	60	REG	Dichlorodifluoromethane	Dichlorodiflouromethane	50	NQ	40	5.38E+06	<0.1
	TWF63-24-315616	60	REG	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	13	J	61	1.38E+09	<0.1
	TWF63-24-315616	60	REG	Carbon Tetrachloride	Carbon Tetrachloride	16	J	50	2.13E+05	<0.1
	TWF63-24-315616	60	REG	Chloroform	Chloroform	25	J	39	4.44E+04	<0.1
	TWF63-24-315616	60	REG	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	25	J	44	2.34E+08	<0.1
	TWF63-24-315616	60	REG	Tetrachloroethene	Tetrachloroethylene	13	J	54	2.05E+06	<0.1
	TWF63-24-315616	60	REG	Trichloroethene	Trichloroethylene	1400	NQ	43	9.27E+04	1.5
Field Duplicate	TWF63-24-315617	60	FD	Carbon Tetrachloride	Carbon Tetrachloride	16	J	49	2.13E+05	<0.1
	TWF63-24-315617	60	FD	Dichlorodifluoromethane	Dichlorodiflouromethane	49	NQ	39	5.38E+06	<0.1
	TWF63-24-315617	60	FD	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	14	J	60	1.38E+09	<0.1
	TWF63-24-315617	60	FD	Chloroform	Chloroform	25	J	38	4.44E+04	<0.1
	TWF63-24-315617	60	FD	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	26	J	43	2.34E+08	<0.1
	TWF63-24-315617	60	FD	Tetrachloroethene	Tetrachloroethylene	13	J	53	2.05E+06	<0.1
	TWF63-24-315617	60	FD	Trichloroethene	Trichloroethylene	1400	NQ	42	9.27E+04	1.5

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

Table 2: Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2024 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	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	34	U	4.0	34	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	33	U	2.0	33	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	40	U	2.6	40	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	35	U	3.7	35	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	35	U	4.1	35	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	38	U	3.4	38	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	3.7	47	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	60	U	4.5	60	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	2.8	47	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	49	U	3.1	49	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	9.8	130	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	38	U	7.4	38	N
63-2009	**5**	**TWF63-24-315610**	**04/30/2024**	**05/09/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**64-17-5**	**Ethanol**	**34**	**J**	**6.6**	**73**	**Y**
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	96	U	5.7	96	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	74	U	7.1	74	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	38	U	2.6	38	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	25	U	2.4	25	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	43	U	5	43	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	37.0	120	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	64	U	6	64	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	82	U	11.0	82	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	31	U	7	31	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	44	U	4.7	44	N
63-2009	**5**	**TWF63-24-315610**	**04/30/2024**	**05/09/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**5**	**J**	**4.1**	**39**	**Y**
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	60	U	4.4	60	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	54	U	4.8	54	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	36	U	4.1	36	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	91	U	11.0	91	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	6.5	43	N
63-2009	**5**	**TWF63-24-315610**	**04/30/2024**	**05/09/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**46**	**NQ**	**2.7**	**42**	**Y**
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	2.4	27	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	27	U	2.6	27	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	230	U	27	230	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	110	U	11.0	110	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	66	U	4.4	66	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	53	U	7.5	53	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	32	U	5	32	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	3.7	31	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	5	31	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	28	UJ	2	28	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/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	36	U	1.4	36	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	5.1	54	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	330	U	34.0	330	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	34	U	8.2	34	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	4.4	47	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	38	U	12.0	38	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	2.1	17	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	97	U	14.0	97	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	2	32	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	11.0	130	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	38	U	11.0	38	N
63-2009	**5**	**TWF63-24-315610**	**04/30/2024**	**05/09/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**108-88-3**	**Toluene**	**4**	**J**	**2**	**29**	**Y**
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	36	U	2.4	36	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	23	U	2.2	23	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	1.2	20	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	23.0	110	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	96	U	7.2	96	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	81	U	7.4	81	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	52	U	5	52	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	2	32	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	38	U	3.1	38	N
63-2009	5	TWF63-24-315610	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	6.9	34	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	34.0	U	4.0	34	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	34	U	2.0	34	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	41	U	2.6	41	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	36	U	4	36	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	36	U	4.2	36	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	39	U	3	39	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	3.7	47	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	61	U	4.5	61	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	2.1	17	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	84	U	11.0	84	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	1.2	20	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	23.0	110	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	100	U	7.2	100	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	82	U	7.5	82	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	53	U	4.7	53	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	2.0	32	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	100	U	14	100	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	1.7	32	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	11.0	130	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/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	39	U	11.0	39	N
63-2010	**5**	**TWF63-24-315611**	**04/30/2024**	**05/09/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**108-88-3**	**Toluene**	**5**	**J**	**2**	**30**	**Y**
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	36	U	2.4	36	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	23	U	2.2	23	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	28	U	2.4	28	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	27	U	2.6	27	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	28.0	240	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	120	U	11.0	120	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	67	U	4	67	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	54	U	7.5	54	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	32	U	4.9	32	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	3.8	31	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	4.8	31	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	28	UJ	1.8	28	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	37	U	1.4	37	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	2.8	47	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	50	U	3.1	50	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	9.8	130	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	39	U	7.4	39	N
63-2010	**5**	**TWF63-24-315611**	**04/30/2024**	**05/09/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**64-17-5**	**Ethanol**	**40**	**J**	**7**	**80**	**Y**
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	100	U	5.7	100	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	76	U	7.1	76	N
63-2010	**5**	**TWF63-24-315611**	**04/30/2024**	**05/09/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**67-66-3**	**Chloroform**	**4**	**J**	**3**	**39**	**Y**
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	25	U	2.4	25	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	43	U	4.8	43	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	37.0	120	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	66	U	5.8	66	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	31	U	7.1	31	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	44	U	4.7	44	N
63-2010	**5**	**TWF63-24-315611**	**04/30/2024**	**05/09/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**6**	**J**	**4.2**	**39**	**Y**
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	61	U	4.4	61	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	55	U	4.8	55	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	36	U	4.1	36	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	94	U	11.0	94	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	7.1	43	N
63-2010	**5**	**TWF63-24-315611**	**04/30/2024**	**05/09/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**110**	**NQ**	**2.7**	**42**	**Y**
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	5.2	54	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	340	U	34.0	340	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	34	U	8.2	34	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	4.4	47	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	39	U	12	39	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/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	39	U	3.1	39	N
63-2010	5	TWF63-24-315611	04/30/2024	05/09/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	6.9	34	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	33	U	3.9	33	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	1.9	32	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	39	U	2.5	39	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34.0	U	3.6	34	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	4.0	34	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	37	U	3	37	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	46	U	3.6	46	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	58	U	4.4	58	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	2	17	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	97	U	14.0	97	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	31	U	2	31	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	11.0	130	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	37	U	10	37	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	1.8	29	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	35	U	2.3	35	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	2.1	22	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	2.3	27	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	26	U	2.6	26	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	230	U	27.0	230	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	110	U	10	110	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	65	U	4.3	65	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	52	U	7.5	52	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	31	U	4.5	31	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	30	U	3.6	30	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	30	U	4.4	30	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	UJ	1.7	27	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	1	35	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	46	U	2.8	46	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	48	U	3	48	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	9	130	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	37	U	7.4	37	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	72	U	6.4	72	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	93	U	5.4	93	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	74	U	6.9	74	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	37	U	2.5	37	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	2	24	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	41	U	5	41	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	36.0	120	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	64	U	5.6	64	N

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63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	82	U	11.0	82	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	1.2	19	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	22.0	110	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	96	U	6.8	96	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	79	U	7.2	79	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	51	U	4.5	51	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	31	U	1.9	31	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	30	U	7	30	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	43	U	4.5	43	N
63-2011	**5**	**TWF63-24-315612**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**6**	**J**	**4.0**	**38**	**Y**
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	58	U	4.4	58	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	53	U	4.6	53	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	35	U	4.0	35	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	91	U	11.0	91	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	41	U	6.5	41	N
63-2011	**5**	**TWF63-24-315612**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**81**	**NQ**	**2.6**	**41**	**Y**
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	52	U	5.0	52	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	330	U	33.0	330	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	33	U	7.8	33	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	46	U	4.3	46	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	37	U	11	37	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	37	U	3.0	37	N
63-2011	5	TWF63-24-315612	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	33	U	6.5	33	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	33	U	3.9	33	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	1.9	32	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	39	U	2.5	39	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	3.6	34	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	4.0	34	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	37	U	3.3	37	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	46	U	3.6	46	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	58	U	4.4	58	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	2.1	17	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	97	U	14.0	97	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	31	U	1.6	31	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	11.0	130	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	37	U	10.0	37	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	2	29	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	35	U	2.3	35	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	2	22	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	2.3	27	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	26	U	3	26	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/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	230	U	27.0	230	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	110	U	10.0	110	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	65	U	4.3	65	N
63-2012	**25**	**TWF63-24-315613**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**127-18-4**	**Tetrachloroethene**	**31**	**J**	**8**	**52**	**Y**
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	31	U	4.5	31	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	30	U	4	30	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	30	U	4	30	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	UJ	1.7	27	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	1.4	35	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	46	U	2.8	46	N
63-2012	**25**	**TWF63-24-315613**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**56-23-5**	**Carbon Tetrachloride**	**36**	**J**	**3.1**	**48**	**Y**
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	9.4	130	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	37	U	7	37	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	72	U	6.4	72	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	93	U	5.4	93	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	74	U	6.9	74	N
63-2012	**25**	**TWF63-24-315613**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**67-66-3**	**Chloroform**	**78**	**NQ**	**2.5**	**37**	**Y**
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	2.3	24	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	41	U	4.7	41	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	36.0	120	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	64	U	5.6	64	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	82	U	11.0	82	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	1.2	19	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	22.0	110	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	96	U	6.8	96	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	79	U	7.2	79	N
63-2012	**25**	**TWF63-24-315613**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-27-4**	**Bromodichloromethane**	**5**	**J**	**4.5**	**51**	**Y**
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	31	U	2	31	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	30	U	7.1	30	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	43	U	4.5	43	N
63-2012	**25**	**TWF63-24-315613**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**48**	**NQ**	**4.0**	**38**	**Y**
63-2012	**25**	**TWF63-24-315613**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**76-13-1**	**Trichloro-1,2,2-trifluoroethane[1,1,2-]**	**12**	**J**	**4.4**	**58**	**Y**
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	53	U	4.6	53	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	35	U	4.0	35	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	91	U	11	91	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	41	U	6.5	41	N
63-2012	**25**	**TWF63-24-315613**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**2400**	**NQ**	**2.6**	**41**	**Y**
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	52	U	5	52	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	330	U	33.0	330	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	33	U	7.8	33	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	46	U	4	46	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/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	37	U	11.0	37	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	37	U	3.0	37	N
63-2012	25	TWF63-24-315613	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	33	U	6.5	33	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100.0	U	10.0	100	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	65	U	4.3	65	N
63-2012	**60**	**TWF63-24-315614**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**127-18-4**	**Tetrachloroethene**	**75**	**NQ**	**6.8**	**52**	**Y**
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	31	U	4.5	31	N
63-2012	**60**	**TWF63-24-315614**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**156-59-2**	**Dichloroethene[cis-1,2-]**	**13**	**J**	**3.6**	**30**	**Y**
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	30	U	4.4	30	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	UJ	1.7	27	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	1.4	35	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	46.0	U	2.7	46	N
63-2012	**60**	**TWF63-24-315614**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**56-23-5**	**Carbon Tetrachloride**	**88**	**NQ**	**3.0**	**48**	**Y**
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	100	U	9.4	100	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	37	U	7.4	37	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	72	U	6.4	72	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	93	U	5.4	93	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	70	U	6.9	70	N
63-2012	**60**	**TWF63-24-315614**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**67-66-3**	**Chloroform**	**170**	**NQ**	**2.5**	**37**	**Y**
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	2.3	24	N
63-2012	**60**	**TWF63-24-315614**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**71-55-6**	**Trichloroethane[1,1,1-]**	**8**	**J**	**5**	**41**	**Y**
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	51	U	4.4	51	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	31	U	2	31	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	30	U	6.7	30	N
63-2012	**60**	**TWF63-24-315614**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-69-4**	**Trichlorofluoromethane**	**5**	**J**	**4.5**	**43**	**Y**
63-2012	**60**	**TWF63-24-315614**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**110**	**NQ**	**4.0**	**38**	**Y**
63-2012	**60**	**TWF63-24-315614**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**76-13-1**	**Trichloro-1,2,2-trifluoroethane[1,1,2-]**	**28**	**J**	**4.3**	**58**	**Y**
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	53	U	4.5	53	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	35	U	3.9	35	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	90	U	11.0	90	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	41	U	6.5	41	N
63-2012	**60**	**TWF63-24-315614**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**7000**	**NQ**	**3**	**41**	**Y**
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	52	U	4.9	52	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	300	U	33.0	300	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	33	U	7.8	33	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	46	U	4.3	46	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	37	U	11.0	37	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	37	U	3	37	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	33	U	6.5	33	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	80	U	11.0	80	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	1.1	19	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/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	100	U	22	100	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	90	U	7	90	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	79	U	7.1	79	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	33	U	3.9	33	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	1.9	32	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	39	U	2.5	39	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	4	34	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	4.0	34	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	37	U	3.2	37	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	46	U	3.5	46	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	58	U	4	58	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	2.0	17	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	90	U	14	90	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	31	U	2	31	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	100	U	11.0	100	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	37	U	10.0	37	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	1.8	29	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	35	U	2.3	35	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	2	22	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	2.3	27	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	26	U	2.5	26	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	27	200	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	100	U	36.0	100	N
63-2012	60	TWF63-24-315614	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	60	U	5.4	60	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	36	U	4.2	36	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	35	U	2.0	35	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	42.0	U	2.7	42	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	37	U	3.9	37	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	37	U	4.3	37	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	40.0	U	3.5	40	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	49	U	3.8	49	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	63	U	4.7	63	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	18	U	2.2	18	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	100	U	15	100	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	33	U	1.7	33	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	140	U	12.0	140	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	40	U	11	40	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	31	U	1.9	31	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	38	U	3	38	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	24	U	2.3	24	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	29	U	3	29	N

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63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	28	U	2.8	28	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	29.0	240	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	120	U	11.0	120	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	70	U	4.6	70	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	56	U	7.5	56	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	34	U	5	34	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	32	U	3.9	32	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	32	U	4.8	32	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	30	UJ	1.8	30	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	38	U	1.4	38	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	49	U	3	49	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	52	U	3.3	52	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	140	U	10	140	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	40	U	8	40	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	77	U	6.8	77	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	100	U	5.9	100	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	78	U	7.4	78	N
63-2013	**25**	**TWF63-24-315615**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**67-66-3**	**Chloroform**	**59**	**NQ**	**2.7**	**40**	**Y**
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	26	U	2.5	26	N
63-2013	**25**	**TWF63-24-315615**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**71-55-6**	**Trichloroethane[1,1,1-]**	**14**	**J**	**5**	**45**	**Y**
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	130	U	40	130	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	68	U	6.0	68	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	87	U	11.0	87	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	21	U	1.3	21	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	24.0	110	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	100	U	7.5	100	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	85	U	7.7	85	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	55	U	4.8	55	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	33	U	2.1	33	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	32	U	7.5	32	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	46	U	4.9	46	N
63-2013	**25**	**TWF63-24-315615**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**31**	**J**	**4.3**	**41**	**Y**
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	63	U	4.7	63	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	57	U	4.9	57	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	38	U	4.2	38	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	97	U	11.0	97	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	45	U	7.1	45	N
63-2013	**25**	**TWF63-24-315615**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**400**	**NQ**	**2.8**	**44**	**Y**
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	56	U	5.4	56	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	350	U	35.0	350	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	36	U	8.7	36	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/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	49	U	4.6	49	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	40	U	12	40	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	40	U	3.2	40	N
63-2013	25	TWF63-24-315615	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	36	U	6.9	36	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	35	U	4.1	35	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	34	U	2.0	34	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	41	U	2.7	41	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	36	U	3.8	36	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	36	U	4.2	36	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	39	U	3.5	39	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	48	U	3.8	48	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	61	U	4.6	61	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	18	U	2.2	18	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	100	U	15.0	100	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	1.7	32	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	12.0	130	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	39	U	11.0	39	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	30	U	1.9	30	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	37	U	2	37	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	24	U	2.2	24	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	28	U	2	28	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	28	U	2.7	28	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	28	240	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	120	U	11.0	120	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	68	U	4.5	68	N
63-2013	**60**	**TWF63-24-315616**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**127-18-4**	**Tetrachloroethene**	**13**	**J**	**7.5**	**54**	**Y**
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	33	U	5	33	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	32	U	3.8	32	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	32	U	5	32	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	29	UJ	1.8	29	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	37	U	1.4	37	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	48	U	2.9	48	N
63-2013	**60**	**TWF63-24-315616**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**56-23-5**	**Carbon Tetrachloride**	**16**	**J**	**3.3**	**50**	**Y**
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	10.0	130	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	39	U	7.9	39	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	80	U	7	80	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	100	U	5.7	100	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	76	U	7.4	76	N
63-2013	**60**	**TWF63-24-315616**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**67-66-3**	**Chloroform**	**25**	**J**	**2.7**	**39**	**Y**
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	26	U	2.4	26	N
63-2013	**60**	**TWF63-24-315616**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**71-55-6**	**Trichloroethane[1,1,1-]**	**25**	**J**	**4.9**	**44**	**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/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	38.0	120	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	66	U	5.8	66	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	84	U	11.0	84	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	1.2	20	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	23.0	110	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	100	U	7.2	100	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	83	U	7.6	83	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	54	U	4.8	54	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	2	32	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	32	U	7.1	32	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	45	U	4.8	45	N
63-2013	**60**	**TWF63-24-315616**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**50**	**NQ**	**4.2**	**40**	**Y**
63-2013	**60**	**TWF63-24-315616**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**76-13-1**	**Trichloro-1,2,2-trifluoroethane[1,1,2-]**	**13**	**J**	**4.6**	**61**	**Y**
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	56	U	4.8	56	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	37	U	4.2	37	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	94	U	11	94	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	44	U	7.1	44	N
63-2013	**60**	**TWF63-24-315616**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**1400**	**NQ**	**2.8**	**43**	**Y**
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	55	U	5	55	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	340	U	35.0	340	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	35	U	8.2	35	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	48	U	5	48	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	39	U	12.0	39	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	39	U	3.1	39	N
63-2013	60	TWF63-24-315616	04/30/2024	05/10/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	35	U	6.9	35	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	100-41-4	Ethylbenzene	34	U	3.9	34	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	100-42-5	Styrene	33	U	1.9	33	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	100-44-7	Benzyl Chloride	40	U	2.6	40	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	10061-01-5	Dichloropropene[cis-1,3-]	35	U	3.7	35	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	10061-02-6	Dichloropropene[trans-1,3-]	35	U	4.1	35	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	103-65-1	Propylbenzene[1-]	38	U	3.3	38	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	3.6	47	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	106-93-4	Dibromoethane[1,2-]	60	U	4.4	60	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	106-99-0	Butadiene[1,3-]	17	U	2.1	17	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	107-05-1	Chloro-1-propene[3-]	97	U	14.0	97	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	107-06-2	Dichloroethane[1,2-]	32	U	1.6	32	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	11.0	130	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	108-67-8	Trimethylbenzene[1,3,5-]	38	U	10.0	38	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	108-88-3	Toluene	29	U	1.8	29	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	108-90-7	Chlorobenzene	36	U	2.3	36	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	109-99-9	Tetrahydrofuran	23	U	2.2	23	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/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	110-54-3	Hexane	27	U	2	27	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	110-82-7	Cyclohexane	27	U	2.6	27	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	120-82-1	Trichlorobenzene[1,2,4-]	230	U	27	230	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	123-91-1	Dioxane[1,4-]	110	U	11.0	110	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	124-48-1	Chlorodibromomethane	66	U	4.3	66	N
63-2013	**60**	**TWF63-24-315617**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**127-18-4**	**Tetrachloroethene**	**13**	**J**	**7.5**	**53**	**Y**
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	142-82-5	n-Heptane	32	U	4.9	32	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	3.7	31	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	4.4	31	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	1634-04-4	Methyl tert-Butyl Ether	28	UJ	1.7	28	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	540-84-1	Isooctane	36	U	1.4	36	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	2.8	47	N
63-2013	**60**	**TWF63-24-315617**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**56-23-5**	**Carbon Tetrachloride**	**16**	**J**	**3.1**	**49**	**Y**
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	591-78-6	Hexanone[2-]	130	U	9.8	130	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	622-96-8	Ethyltoluene[4-]	38	U	7.4	38	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	64-17-5	Ethanol	73	U	6.4	73	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	67-63-0	Propanol[2-]	96	U	5.4	96	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	67-64-1	Acetone	74	U	7	74	N
63-2013	**60**	**TWF63-24-315617**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**67-66-3**	**Chloroform**	**25**	**J**	**2.6**	**38**	**Y**
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	71-43-2	Benzene	25	U	2.3	25	N
63-2013	**60**	**TWF63-24-315617**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**71-55-6**	**Trichloroethane[1,1,1-]**	**26**	**J**	**4.7**	**43**	**Y**
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	74-83-9	Bromomethane	120	U	36	120	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	74-87-3	Chloromethane	64	U	6	64	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	75-00-3	Chloroethane	82	U	11.0	82	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	75-01-4	Vinyl Chloride	20	U	1.2	20	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	75-09-2	Methylene Chloride	110	U	22.0	110	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	75-15-0	Carbon Disulfide	96	U	6.8	96	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	75-25-2	Bromoform	81	U	7.3	81	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	75-27-4	Bromodichloromethane	52	U	5	52	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	75-34-3	Dichloroethane[1,1-]	32	U	1.9	32	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	75-35-4	Dichloroethene[1,1-]	31	U	7.1	31	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	75-69-4	Trichlorofluoromethane	44	U	4.6	44	N
63-2013	**60**	**TWF63-24-315617**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**49**	**NQ**	**4**	**39**	**Y**
63-2013	**60**	**TWF63-24-315617**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**76-13-1**	**Trichloro-1,2,2-trifluoroethane[1,1,2-]**	**14**	**J**	**4.4**	**60**	**Y**
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	54	U	5	54	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	78-87-5	Dichloropropane[1,2-]	36	U	4	36	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	78-93-3	Butanone[2-]	91	U	11.0	91	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	6.5	43	N
63-2013	**60**	**TWF63-24-315617**	**04/30/2024**	**05/10/2024**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**79-01-6**	**Trichloroethene**	**1400**	**NQ**	**2.7**	**42**	**Y**
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	5.1	54	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	87-68-3	Hexachlorobutadiene	330	U	33	330	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/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	95-47-6	Xylene[1,2-]	34	U	8.2	34	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	4.4	47	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	95-63-6	Trimethylbenzene[1,2,4-]	38	U	11	38	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	98-82-8	Isopropylbenzene	38	U	3.0	38	N
63-2013	60	TWF63-24-315617	04/30/2024	05/10/2024	VOC	EPA:TO15	FD	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	6.5	34	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	100-41-4	Ethylbenzene	34	U	4.0	34	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	100-42-5	Styrene	33	U	2.0	33	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	100-44-7	Benzyl Chloride	40	U	2.6	40	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	10061-01-5	Dichloropropene[cis-1,3-]	35	U	3.7	35	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	10061-02-6	Dichloropropene[trans-1,3-]	35	U	4	35	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	103-65-1	Propylbenzene[1-]	38	U	3.4	38	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	3.7	47	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	106-93-4	Dibromoethane[1,2-]	60	U	4.5	60	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	106-99-0	Butadiene[1,3-]	17	U	2	17	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	107-05-1	Chloro-1-propene[3-]	97	U	14.0	97	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	107-06-2	Dichloroethane[1,2-]	32	U	1.7	32	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	11	130	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	108-67-8	Trimethylbenzene[1,3,5-]	38	U	11.0	38	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	108-88-3	Toluene	29	U	2	29	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	108-90-7	Chlorobenzene	36	U	2.4	36	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	109-99-9	Tetrahydrofuran	23	U	2	23	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	110-54-3	Hexane	27	U	2.4	27	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	110-82-7	Cyclohexane	27	U	2.6	27	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	120-82-1	Trichlorobenzene[1,2,4-]	230	U	27.0	230	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	123-91-1	Dioxane[1,4-]	110	U	11.0	110	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	124-48-1	Chlorodibromomethane	66	U	4.4	66	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	127-18-4	Tetrachloroethene	53	U	7.5	53	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	142-82-5	n-Heptane	32	U	5	32	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	3.7	31	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	4.8	31	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	1634-04-4	Methyl tert-Butyl Ether	28	UJ	1.8	28	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	540-84-1	Isooctane	36	U	1.4	36	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	2.8	47	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	56-23-5	Carbon Tetrachloride	49	U	3.1	49	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	591-78-6	Hexanone[2-]	130	U	10	130	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	622-96-8	Ethyltoluene[4-]	38	U	7.4	38	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	64-17-5	Ethanol	73	U	7	73	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	67-63-0	Propanol[2-]	96	U	5.7	96	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	67-64-1	Acetone	74	U	7.1	74	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	67-66-3	Chloroform	38	U	2.6	38	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	71-43-2	Benzene	25	U	2.4	25	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/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	71-55-6	Trichloroethane[1,1,1-]	43	U	4.8	43	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	74-83-9	Bromomethane	120	U	37.0	120	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	74-87-3	Chloromethane	64	U	6	64	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	75-00-3	Chloroethane	82	U	11	82	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	75-01-4	Vinyl Chloride	20	U	1.2	20	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	75-09-2	Methylene Chloride	110	U	23.0	110	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	75-15-0	Carbon Disulfide	96	U	7.2	96	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	75-25-2	Bromoform	81	U	7.4	81	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	75-27-4	Bromodichloromethane	52	U	4.6	52	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	75-34-3	Dichloroethane[1,1-]	32	U	2.0	32	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	75-35-4	Dichloroethene[1,1-]	31	U	7.1	31	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	75-69-4	Trichlorofluoromethane	44	U	4.7	44	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	75-71-8	Dichlorodifluoromethane	39	U	4.1	39	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	60	U	4.4	60	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	54	U	4.8	54	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	78-87-5	Dichloropropane[1,2-]	36	U	4.1	36	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	78-93-3	Butanone[2-]	91	U	11.0	91	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	6.5	43	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	79-01-6	Trichloroethene	42	U	2.7	42	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	5.1	54	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	87-68-3	Hexachlorobutadiene	330	U	34.0	330	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	95-47-6	Xylene[1,2-]	34	U	8.2	34	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	4.4	47	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	95-63-6	Trimethylbenzene[1,2,4-]	38	U	12.0	38	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	98-82-8	Isopropylbenzene	38	U	3.1	38	N
63-2013		TWF63-24-315618	04/30/2024	05/10/2024	VOC	EPA:TO15	FB	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	6.9	34	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)

Table 3: Current and Previous Analytical Results for Eight Quarters

Well ID (Port(ft))	Constituent	Soil Gas Screening Level (ug/m3)	Q3 2022		Q4 2022		Q1 2023		Q2 2023		Q3 2023		Q4 2023		Q1 2024		Q2 2024	
			8/24/2022		11/30/2022		3/1/2023		5/24/2023		8/24/2023		11/1/2023		1/31/2024		4/30/2024	
			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 (%)
VMW-1 (5) 63-2009	Trichloroethylene	1.94E+04	70	0.4	37	0.2	26	0.1	41	0.2	46	0.2	41	0.2	47	0.2	46	0.2
	Toluene	4.70E+07	-	-	3.5	<0.1	-	-	-	-	-	-	-	-	2.4	<0.1	3.8	<0.1
	Tetrachloroethylene	4.08E+05	-	-	-	-	-	-	-	-	40.0	<0.1	-	-	-	-	-	-
	cis-1,2-Dichloroethylene	5.85E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Acetone	2.73E+08	81	<0.1	-	-	-	-	-	-	18.0	<0.1	-	-	-	-	-	-
	1,1,1-Trichloroethane	4.86E+07	-	-	-	-	-	-	-	-	-	-	-	-	9.8	<0.1	-	-
	1,1-Dichloroethane	1.73E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-Dichloroethylene	1.86E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	1.03E+06	-	-	-	-	-	-	-	-	-	-	-	-	5.4	<0.1	4.9	<0.1
	Methylene chloride	5.34E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	1.08E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	m-Xylene	1.01E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	p-Xylene	9.77E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-2 (5) 63-2010	Trichloroethylene	1.94E+04	81	0.4	100	0.5	75	0.4	100	0.5	59	0.3	100	0.5	100	0.5	110	0.6
	Dichlorodifluoromethane	1.03E+06	-	-	-	-	-	-	-	-	-	-	-	-	5.9	<0.1	5.9	<0.1
	Acetone	2.73E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,1-Trichloroethane	4.86E+07	-	-	-	-	-	-	-	-	-	-	-	-	4.6	<0.1	-	-
	Toluene	4.70E+07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	<0.1
	Chloroform	1.08E+04	-	-	-	-	-	-	-	-	-	-	4.6	<0.1	4.1	<0.1	4.1	<0.1
VMW-3 (5) 63-2011	Trichloroethylene	1.94E+04	59	0.3	50	0.3	64	0.3	70	0.4	59	0.3	91	0.5	75	0.4	81	0.4
	Toluene	4.70E+07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Acetone	2.73E+08	-	-	-	-	-	-	12.0	<0.1	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	1.03E+06	-	-	-	-	-	-	-	-	-	-	-	-	4.3	<0.1	6.4	<0.1
VMW-4 (25) 63-2012	Trichloroethylene	1.57E+05	2000	1.3	2000	1.3	2400	1.5	2100	1.3	1800	1.1	2300	1.5	2300	1.5	2400	1.5
	Tetrachloroethylene	2.63E+06	24	<0.1	31	<0.1	31	<0.1	31	<0.1	32	<0.1	31	<0.1	30	<0.1	31	<0.1
	Carbon tetrachloride	1.06E+05	32	<0.1	33	<0.1	47	<0.1	38	<0.1	33	<0.1	35	<0.1	31	<0.1	36	<0.1
	Chloroform	2.30E+04	78	0.3	73	0.3	78	0.3	83	0.4	73	0.3	93	0.4	78	0.3	78	0.3
	Dichlorodifluoromethane	2.61E+06	48	<0.1	44	<0.1	69	<0.1	64	<0.1	50	<0.1	48	<0.1	44	<0.1	48	<0.1
	1,1,2-Trichloro-1,2,2-trifluoroethane	6.86E+08	-	-	15	<0.1	19	<0.1	-	-	-	-	11.0	<0.1	10.0	<0.1	12	<0.1
	1,1,1-Trichloroethane	1.16E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-4 (60) 63-2012	Trichloroethylene	9.27E+04	4100	4.4	5900	6.4	3100	3.3	5000	5.4	5000	5.4	6400	6.9	6400	6.9	7000	7.6
	Tetrachloroethylene	2.05E+06	33	<0.1	81	<0.1	37	<0.1	57	<0.1	81	<0.1	67	<0.1	60	<0.1	75	<0.1
	cis-1,2-Dichloroethylene	2.91E+06	-	-	15	<0.1	-	-	15	<0.1	10	<0.1	19	<0.1	13	<0.1	13	<0.1
	Carbon tetrachloride	2.13E+05	60	<0.1	82	<0.1	45	<0.1	88	<0.1	88	<0.1	100	<0.1	75	<0.1	88	<0.1
	Chloroform	4.44E+04	130	0.3	160	0.4	88	0.2	170	0.4	100	0.2	200	0.5	160	0.4	170	0.4
	1,1,1-Trichloroethane	2.34E+08	-	-	-	-	-	-	11	<0.1	-	-	9.8	<0.1	9.3	<0.1	7.6	<0.1
	Dichlorodifluoromethane	5.38E+06	89	<0.1	110	<0.1	69	<0.1	130	<0.1	120	<0.1	130	<0.1	100	<0.1	110	<0.1
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.38E+09	19	<0.1	31	<0.1	11	<0.1	22	<0.1	23	<0.1	27	<0.1	23	<0.1	28	<0.1
	Toluene	2.14E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Acetone	1.02E+09	-	-	-	-	-	-	-	-	-	-	200	<0.1	-	-	-	-

Well ID (Port(ft))	Constituent	Soil Gas Screening Level (ug/m3)	Q3 2022		Q4 2022		Q1 2023		Q2 2023		Q3 2023		Q4 2023		Q1 2024		Q2 2024	
			8/24/2022		11/30/2022		3/1/2023		5/24/2023		8/24/2023		11/1/2023		1/31/2024		4/30/2024	
			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 (%)
	Trichlorofluoromethane	3.01E+07	-	-	-	-	-	-	-	-	-	-	-	-	5.6	<0.1	7.6	<0.1
VMW-5 (25) 63-2013	Trichloroethylene	1.57E+05	310	0.2	300	0.2	280	0.2	290	0.2	280	0.2	340	0.2	370	0.2	400	0.3
	Chloroform	2.30E+04	38	0.2	42	0.2	45	0.2	50	0.2	50	0.2	63	0.3	47	0.2	59	0.3
	1,1,1-Trichloroethane	1.16E+08	-	-	13	<0.1	14	<0.1	13	<0.1	13	<0.1	15	<0.1	14	<0.1	14	<0.1
	Dichlorodifluoromethane	2.61E+06	50	<0.1	31	<0.1	34	<0.1	31	<0.1	36	<0.1	34	<0.1	29	<0.1	31	<0.1
	Tetrachloroethylene	2.63E+06	-	-	-	-	8.8	<0.1	-	-	-	-	-	-	-	-	-	-
	Acetone	5.44E+08	62	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	1.06E+05	-	-	14	<0.1	-	-	-	-	-	-	5.9	<0.1	4.0	<0.1	-	-
VMW-5 (60) 63-2013	Trichloroethylene	9.27E+04	1200	1.3	1200	1.3	1000	1.1	1000	1.1	970	1.0	1300	1.4	1500	1.6	1400	1.5
	Tetrachloroethylene	2.05E+06	-	-	-	-	12	<0.1	-	-	13	<0.1	12	<0.1	13	<0.1	13	<0.1
	Chloroform	4.44E+04	21	<0.1	21	<0.1	20	<0.1	22	<0.1	22	<0.1	29	<0.1	25	<0.1	25	<0.1
	1,1,1-Trichloroethane	2.34E+08	31	<0.1	28	<0.1	28	<0.1	25	<0.1	26	<0.1	32	<0.1	26	<0.1	25	<0.1
	Dichlorodifluoromethane	5.38E+06	50.0	<0.1	54.0	<0.1	50.0	<0.1	54	<0.1	48	<0.1	59	<0.1	49	<0.1	50	<0.1
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.38E+09	-	-	15	<0.1	11	<0.1	-	-	-	-	13.0	<0.1	13.0	<0.1	13	<0.1
	Toluene	2.14E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	2.13E+05	14	<0.1	-	-	15	<0.1	11	<0.1	-	-	17.0	<0.1	16.0	<0.1	16	<0.1
	Acetone	1.02E+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field Duplicates:

Well ID (Port(ft))	Constituent	Soil Gas Screening Level (ug/m3)	Q3 2022		Q4 2022		Q1 2023		Q2 2023		Q3 2023		Q4 2023		Q1 2024		Q2 2024	
			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 (%)
VMW-1 (5) 63-2009(FD)	Trichloroethylene	1.94E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	1.03E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-3 (5) 63-2011(FD)	Trichloroethylene	1.94E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-4 (25) 63-2012(FD)	Trichloroethylene	1.57E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethylene	2.63E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	1.06E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	2.30E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,1-Trichloroethane	1.16E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorofluoromethane	2.61E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VWM-4 (60) 23-2012(FD)	Trichloroethylene	9.27E+04	4400	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethylene	2.05E+06	45	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,2-Dichloroethylene	2.91E+06	12	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	2.13E+05	59	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	4.44E+04	140	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	5.38E+06	94	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Acetone	1.02E+09	38	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.38E+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-5 (25) 63-2013(FD)	Trichloroethylene	1.57E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethylene	2.63E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	2.30E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Well ID (Port(ft))	Constituent	Soil Gas Screening Level (ug/m3)	Q3 2022		Q4 2022		Q1 2023		Q2 2023		Q3 2023		Q4 2023		Q1 2024		Q2 2024	
			8/24/2022		11/30/2022		3/1/2023		5/24/2023		8/24/2023		11/1/2023		1/31/2024		4/30/2024	
			Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)
	1,1,1-Trichloroethane	1.16E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	2.61E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-5 (60) 63-2013(FD)	Trichloroethylene	9.27E+04	-	-	1200	1.3	1000	1.1	970	1.0	1100	1.2	1700	1.8	1300	1.4	1400	1.5
	Carbon tetrachloride	2.13E+05	-	-	16	<0.1	18	<0.1	13	<0.1	14	<0.1	24	<0.1	15	<0.1	16	<0.1
	1,1,1-Trichloroethane	2.34E+08	-	-	28	<0.1	25	<0.1	26	<0.1	27	<0.1	40	<0.1	25	<0.1	26	<0.1
	Dichlorodifluoromethane	5.38E+06	-	-	54	<0.1	64	<0.1	50	<0.1	59	<0.1	79	<0.1	46	<0.1	49	<0.1
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.38E+09	-	-	15	<0.1	12	<0.1	9.2	<0.1	-	-	18	<0.1	12	<0.1	14	<0.1
	Chloroform	4.44E+04	-	-	21	<0.1	22	<0.1	20	<0.1	24	0.1	39	<0.1	23	<0.1	25	<0.1
	Methylethylketone (2-butanone)	2.27E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethylene	2.63E+06	-	-	-	-	-	-	9.5	<0.1	-	-	19	<0.1	-	-	13	<0.1
	1,2,4-Trimethylbenzene	4.12E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon Disulfide	2.59E+07	-	-	-	-	-	-	-	-	-	-	12	N/A	-	-	-	-
	Benzene	1.54E+05	-	-	-	-	-	-	-	-	-	-	3.5	<0.1	-	-	-	-

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

Table 4: Statistical Analyses

	VMW-1 5ft (µg/m³)	VMW-2 5ft (µg/m³)	VMW-3 5ft (µg/m³)	VMW-4 25ft (µg/m³)	VMW-4 60ft (µg/m³)	VMW-5 25ft (µg/m³)	VMW-5 60ft (µg/m³)
2017 Quarter 1	64.4	134	69.8	3810	8060	483	1340
2018 Quarter 1	31.1	80.6	64.4	2793	6982	258	1343
2018 Quarter 2	48.3	129	96.7	3437	8593	414	1557
2018 Quarter 3	53.7	85.9	59.1	2954	8056	344	1504
2018 Quarter 4	43.5	107	75.2	2900	8056	365	1396
2019 Quarter 1	36	113	85.9	2900	7520	360	1400
2019 Quarter 2	44	118	107	2790	7520	360	1560
2019 Quarter 3	59.1	102	85.9	3010	8590	424	1500
2019 Quarter 4	40.3	96.7	64.4	2790	6980	338	1400
2020 Quarter 1	41.9	102	75.2	2740	7520	392	1500
2020 Quarter 2	41	97	97	2800	7500	380	1400
2020 Quarter 3	59	86	75	2600	7500	390	1400
2020 Quarter 4	44	130	86	2600	7500	400	1300
2021 Quarter 1	43	97	75	2600	7000	360	1300
2021 Quarter 2	41	100	97	2500	7500	360	1300
2021 Quarter 3	50	70	59	2100	6400	310	1200
2021 Quarter 4	40	100	75	2200	6400	300	1200
2022 Quarter 1	30	86	50	2200	6400	350	1200
2022 Quarter 2	45	97	86	2000	5900	300	1200
2022 Quarter 3	70	81	59	2000	4100	310	1200
2022 Quarter 4	37	100	50	2000	5900	300	1200
2023 Quarter 1	26	75	64	2400	3100	280	1000
2023 Quarter 2	41	100	70	2100	5000	290	1000
2023 Quarter 3	44	59	59	1800	5000	280	970
2023 Quarter 4	41	100	91	2300	6400	340	1300
2024 Quarter 1	47	100	75	2300	6400	370	1500
2024 Quarter 2	46	110	81	2400	7000	400	1400
Mean (M)	44.7	98.4	75.3	2556.4	6773.2	350.3	1317.4
Standard Deviation (SD)[n−1]	9.9	17.6	15.1	462.7	1310.9	52.0	163.9
2SD Lower Limit (M−2×SD)	24.9	63.2	45.2	1631.1	4151.3	246.2	989.6
2SD Upper Limit (M+2×SD)	64.6	133.6	105.4	3481.8	9395.1	454.4	1645.3
3SD Lower Limit (M−3×SD)	14.9	45.6	30.1	1168.4	2840.4	194.2	825.6
3SD Upper Limit(M+3×SD)	74.5	151.2	120.5	3944.5	10706.1	506.4	1809.2

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SAMPLE COLLECTION LOGS

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Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16104 **EVENT NAME:** CY 2024 - April - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-315610 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2024	FIELD MATRIX:	GAS	OC
TIME COLLECTED (HH:MM):		0930	MEDIA:	GAS	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2009	OK	FIELD PREP:	NA	
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:

FIELD PARAMETERS: Summa # 9190

Sample Time 0930 HH:MM

CH_4 = 0 % CO_2 = 12000 ppm O_2 = 20.7 % VOC = 0.1 ppm

COLLECTED BY (PRINT): M. Simondo **REVIEWED BY (PRINT):** A. VIGIL

RELINQUISHED BY (Printed Name) Melissa Stajtm (Signature)	Date/Time 04/30/2024 1300	RECEIVED BY (Printed Name) (Signature)	Date/Time 4/30/24 1300
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

Report Date: 04/03/2024

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16104 **EVENT NAME:** CY 2024 - April - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-315611 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		0953	MEDIA:	GAS	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2010	ok	FIELD PREP:	NA	
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
N/A	TO15	6 Liter Summa Canister	1	NONE	Y	6 Liter Summa

SAMPLE COMMENTS: Port 1

LOCATION COMMENTS: Summa # 34181

FIELD PARAMETERS:

Sample Time 0953 HH:MM

CH_4 = 0 % CO_2 = 6800 ppm O_2 = 20.9 % VOC = 0.0 ppm

COLLECTED BY (PRINT): M. Shendo **REVIEWED BY (PRINT):** A. Vigil

RELINQUISHED BY (Printed Name) Melissa Stagnaro (Signature)	Date/Time 04/30/2024 1300	RECEIVED BY (Printed Name) (Signature)	Date/Time 4/30/24 1347
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

Report Date: 04/03/2024

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16104 **EVENT NAME:** CY 2024 - April - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-315612 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1016	MEDIA:	Gas	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2011	ok	FIELD PREP:	NA	
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 # 0356

FIELD PARAMETERS:

Sample Time 1016 HH:MM

CH_4 = 0 % CO_2 = 1800 ppm O_2 = 20.9 % VOC = 0.1 ppm

COLLECTED BY (PRINT): M. Beaty **REVIEWED BY (PRINT):** A. Vigil

	Date/Time		Date/Time
RELINQUISHED BY (Printed Name) Melissa Stastny (Signature)	04/30/2024 1300	RECEIVED BY (Printed Name) Melissa Stastny (Signature)	4/30/24 1300
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

Report Date: 04/03/2024

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16104 **EVENT NAME:** CY 2024 - April - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-315613 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1101	MEDIA:	Gas	
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:	24 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	25 ft		EXCAVATED:		YES / NO / (NA)

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

SAMPLE COMMENTS: Port 1

LOCATION COMMENTS: Summa # 33585

FIELD PARAMETERS:

Sample Time 1101 HH:MM

CH_4 = 0 % CO_2 = 11200 ppm O_2 = 20.4 % VOC = 0.6 ppm

COLLECTED BY (PRINT): M. Begay **REVIEWED BY (PRINT):** A. Vigil

RELINQUISHED BY (Printed Name) Melissa Stamm (Signature)	Date/Time 04/30/2024 1300	RECEIVED BY (Printed Name) (Signature)	Date/Time 4/30/24 1303
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

Report Date: 04/03/2024

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16104 **EVENT NAME:** CY 2024 - April - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-315614 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2024	FIELD MATRIX:	GAS	〃
TIME COLLECTED (HH:MM):		1121	MEDIA:	Gas	
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 # 2495

FIELD PARAMETERS:

Sample Time 1121 HH:MM

CH_4 = 0 % CO_2 = 18000 ppm O_2 = 20.3 % VOC = 1.5 ppm

COLLECTED BY (PRINT): M. Bergen **REVIEWED BY (PRINT):** A. Vigil

RELINQUISHED BY (Printed Name) Melissa Bergen (Signature)	Date/Time 04/30/2024 1300	RECEIVED BY (Printed Name) (Signature)	Date/Time 4/30/24 1300
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

Report Date: 04/03/2024

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16104 **EVENT NAME:** CY 2024 - April - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-315615 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1146	MEDIA:	Gas	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2013	ok	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 # 3211

FIELD PARAMETERS:

Sample Time 1146 HH:MM

CH_4 = 0 % CO_2 = 37400 PPM O_2 = 19.6 % VOC = 0.1 PPM

COLLECTED BY (PRINT): M. Shemon **REVIEWED BY (PRINT):** A. Vigil

RELINQUISHED BY (Printed Name) Melissa Shemon (Signature)	Date/Time 04/30/2024 1300	RECEIVED BY (Printed Name) (Signature)	Date/Time 4/30/24 1300
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

Report Date: 04/03/2024

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16104 **EVENT NAME:** CY 2024 - April - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-315616 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1205	MEDIA:	GAS	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2013	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 # 33074

FIELD PARAMETERS:

Sample Time 1205 HH:MM

CH_4 = 0 % CO_2 = 20200 ppm O_2 = 19.4 % VOC = 0.2 ppm

COLLECTED BY (PRINT): M. Shands **REVIEWED BY (PRINT):** A. Vigil

	Date/Time		Date/Time
RELINQUISHED BY (Printed Name) Melissa Stasny (Signature)	04/30/2024 1700	RECEIVED BY (Printed Name) (Signature)	4/30/24 1320
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

Report Date: 04/03/2024

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16104 **EVENT NAME:** CY 2024 - April - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-315617 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2024	FIELD MATRIX:	GAS	↓
TIME COLLECTED (HH:MM):		1206	MEDIA:	Gas	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2013	↓	FIELD PREP:	NA	
LOCATION TYPE:	BHover10ft		FIELD QC TYPE:	FD	
TOP DEPTH:	50 ft		SAMPLE USAGE:	QC	
BOTTOM DEPTH:	60 ft		EXCAVATED:		YES / NO / (NA)

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

SAMPLE COMMENTS: Port 2

LOCATION COMMENTS: Summa # 0838

FIELD PARAMETERS:

Sample Time 1206 HH:MM

CH_4 = 0 % CO_2 = 29200 ppm O_2 = 19.4 % VOC = 0.2 ppm

COLLECTED BY (PRINT): M. Shannon **REVIEWED BY (PRINT):** A. Vigil

	Date/Time		Date/Time
RELINQUISHED BY (Printed Name) Melissa Stanley (Signature)	04/30/2024 1300	RECEIVED BY (Printed Name) (Signature)	4/30/24 1300
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

Report Date: 04/03/2024

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16104 **EVENT NAME:** CY 2024 - April - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-315618 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		04/30/2024	FIELD MATRIX:	GAS	AIR
TIME COLLECTED (HH:MM):		1235	MEDIA:	Nitrogen	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	UNK	ok	FIELD PREP:	NA	
LOCATION TYPE:	BHover10ft		FIELD QC TYPE:	FB	
TOP DEPTH:	NA		SAMPLE USAGE:	QC	
BOTTOM DEPTH:	NA		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: QC Sample of TWF63-24-315617

LOCATION COMMENTS: Summa # 33872

FIELD PARAMETERS:

Sample Time 1235 HH:MM

MS

COLLECTED BY (PRINT): M. Shendo **REVIEWED BY (PRINT):** A. Vigil

	Date/Time		Date/Time
RELINQUISHED BY (Printed Name) Melissa Stamm (Signature)	04/30/2024 1300	RECEIVED BY (Printed Name) (Signature)	4/30/24 1300
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

Report Date: 04/03/2024