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Symbol: EPC-DO-24-252

Date: September 25, 2024

LA-UR: 24-29599

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 3, July**

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 3, July* 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 3 sampling conducted on July 31, 2024. The sampling results indicate that vapor concentrations at the site do not exceed the soil gas screening levels presented in the Permit.

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,

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Steven L. Story
Division Leader
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Triad National Security, LLC
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Sincerely,

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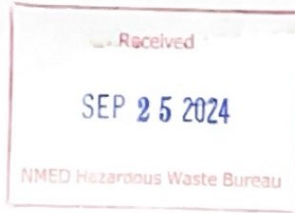
Robert A. Gallegos
Program Manager
Environmental Permitting and Compliance Program
National Nuclear Security Administration
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U.S. Department of Energy

SLS/RAG

Enclosure: *Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report,
Calendar Year 2024, Quarter 3, July*

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ENCLOSURE

*Technical Area 63 Transuranic Waste Facility Soil Vapor
Monitoring System Report, Calendar Year 2024, Quarter 3,
July*

Date: September 25, 2024

EPC-DO-24-252
LA-UR-24-29599

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
Division Leader
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Triad National Security, LLC
Los Alamos National Laboratory

Date Signed

**ROBERT
GALLEGOS**

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Robert A. Gallegos
Program Manager
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Date Signed

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Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2024, Quarter 3, July

I Introduction

This report provides the calendar year (CY) 2024, Quarter 3, July (CY2024, Quarter 3) soil vapor sampling results from the Technical Area 63 (TA-63) Transuranic Waste Facility (TWF) soil vapor monitoring network at Los Alamos National Laboratory (LANL). Quarterly sampling is required by the LANL Hazardous Waste Facility Permit (Permit) Part 3, Section 3.14.3, *Subsurface Vapor Monitoring*.

Sampling and laboratory analytical results for CY2024, Quarter 3 confirm that volatile organic compound (VOC) concentrations in the soil gas at the site are stable. The VOC concentrations are well below the screening levels established by the Permit. The primary constituent of concern at the site is trichloroethylene (TCE).

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

II Background

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

On December 23, 2013, the NMED-HWB approved a Permit modification for the construction of the TWF. The approved modification, Permit Part 3, Section 3.14.3, required completion of vapor monitoring well construction and at least one vapor sample collected from each well before the start of operations at the TWF. Soil vapor monitoring wells were installed in August 2015. Baseline soil vapor monitoring samples were collected in September 2015. The initial report was submitted on October 29, 2015 (LANL 2015) and approved with modifications in February 2016 (NMED 2016). The first quarterly sampling event coincided with commencement of waste activities at the site in December 2017. Quarterly reports from 2017 to present are listed in the references section (LANL 2017 through LANL 2024b).

III Soil Vapor Sampling

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

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

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

Field work for the CY2024, Quarter 3 sampling event occurred on July 31, 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 U.S. Environmental Protection Agency (EPA) TO-15 method as required by Permit Section 3.14.3. Prior to collecting the sample, pore gas was purged and field screened to measure concentrations of carbon dioxide, oxygen, and VOCs using a multi-gas monitor to ensure that the levels at each sampling port are stable at values that are representative of subsurface pore gas conditions. Field personnel collected a total of nine (9) samples, including one field duplicate from VMW-5, 60-ft port and one field blank sample. There were no variances in the sampling procedures from the Permit requirements. The field data forms are presented in the Sample Collection Log section of this report.

IV Analytical Results

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

Table 1, *Detected Volatile Organic Compounds at TA-63 Transuranic Waste Facility – CY2024, Quarter 3*, presents a summary of the laboratory analytical results for detected VOCs. The table provides results for both non-qualified and estimated (J-qualified) detections. Each well port depth and constituent of concern have an associated SGSL, presented in Table 1, for comparison with the analytical results. Relative constituent concentrations are presented using a 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 3*. 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.

A statistical analysis is presented through trendline figures (Figures 1 and 2) and Table 4, *Statistical Analyses*. The trendlines present data from the last eight quarters of sampling and Table 4 presents statistics for the entire sampling period.

Constituents of Concern

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

TCE is detected in all five of the vapor monitoring wells at all port depths. The detected concentrations are highest closer to MDA C. Vapor monitoring wells VMW-4 and VMW-5 are the closest vapor monitoring wells to MDA C. The TCE concentrations measured in VMW-4 are 1900 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) (1.2% of the SGSL) and 5000 $\mu\text{g}/\text{m}^3$ (5.4% of the SGSL) at the 25-ft and 60-ft port depths, respectively. The TCE concentrations measured in VMW-5 are 310 $\mu\text{g}/\text{m}^3$ (0.2% of the SGSL) and 1100 $\mu\text{g}/\text{m}^3$ (1.2% 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%, 0.4%, and 0.3%, 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 $\mu\text{g}/\text{m}^3$ (0.3% of the SGSL) and 160 $\mu\text{g}/\text{m}^3$ (0.4% of the SGSL) in the 25-ft and 60-ft sampling ports, respectively. The concentrations of chloroform in vapor monitoring well VMW-5 are 54 $\mu\text{g}/\text{m}^3$ (0.2% of the SGSL) and 24 $\mu\text{g}/\text{m}^3$ (J-qualified or estimated) (<0.1% of the SGSL) in the 25-ft and 60-ft sampling ports, respectively. In 2023, VMW-2, 5-ft sampling port indicated the presence of chloroform. This quarter, chloroform was not detected in VMW-2.

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.

Newly Detected and Additional Constituents

Occasionally, VOCs are detected in the vapor monitoring wells that were not detected during previous sampling events. Permit Part 3, Section 3.14.3, requires notification to the NMED-HWB when this happens. This quarter, there were no newly detected VOCs. Based on communications from NMED-HWB (NMED 2022), monitoring for newly detected constituents will be continued.

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

The field duplicate sample for vapor monitoring well VMW-5, 60-ft port has demonstrated the presence of several constituents during previous sampling events. Tetrahydrofuran, ethanol, propanol[2-] (isopropyl alcohol), and 2-butanone were first detected in a duplicate sample in CY2020, Quarter 1. The Permit Tables list 2-butanone (methyl ethyl ketone), but do not list the other constituents. In CY2021, Quarter 3 the field duplicate again demonstrated a detection of ethanol, which is not a constituent of concern. CY2023, Quarter 4 results for the field duplicate indicated the presence of carbon disulfide and benzene. Both constituents are included in the Permit Tables. There were no field duplicate anomalies to report for the CY2024, Quarter 3 sampling event.

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

Bromodichloromethane has previously been detected in VMW-4 and VMW-5. Bromodichloromethane is not included as a constituent of concern in the Permit Tables, so the results cannot be compared to a SGS; however, the results have been well below the report detection limit and estimated (J-flagged). The analytical results for CY 2024, Quarter 3 indicate the presence of bromodichloromethane in VMW-5, in the 25-ft sampling port at a concentration of 6.6 $\mu\text{g}/\text{m}^3$ (J).

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 3. 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 in this timeframe 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. Since a new ultra-high pure nitrogen tank was purchased and used for field blank sample collection, analytical results have shown no detectable amounts of ethylbenzene or xylene isomers and no additional field blank issues have been noted.

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-1, 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 SGSs 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

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- LANL 2017. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 1, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO:17-560), December 21, 2017. Los Alamos National Laboratory, Los Alamos, New Mexico.
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- 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 2019c. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 8, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO:19-343) of September 30, 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.
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- LANL 2020e. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 12, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO:20-302) of October 2, 2020. Los Alamos National Laboratory, Los Alamos, New Mexico.

- LANL 2021a. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 13, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO:20-417) of January 11, 2021. Los Alamos National Laboratory, Los Alamos, New Mexico.
- LANL 2021b. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 14, Los Alamos National Laboratory EPA ID# NM0890010515,” (EPC-DO-21-135) of May 3, 2021. Los Alamos National Laboratory, Los Alamos, New Mexico.
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- LANL 2022a. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, November 2021 (Quarter 17) Los Alamos National Laboratory, EPA ID# NM0890010515,” (EPC-DO-21-404) of January 3, 2022. Los Alamos National Laboratory, Los Alamos, New Mexico.
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- LANL 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.
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- 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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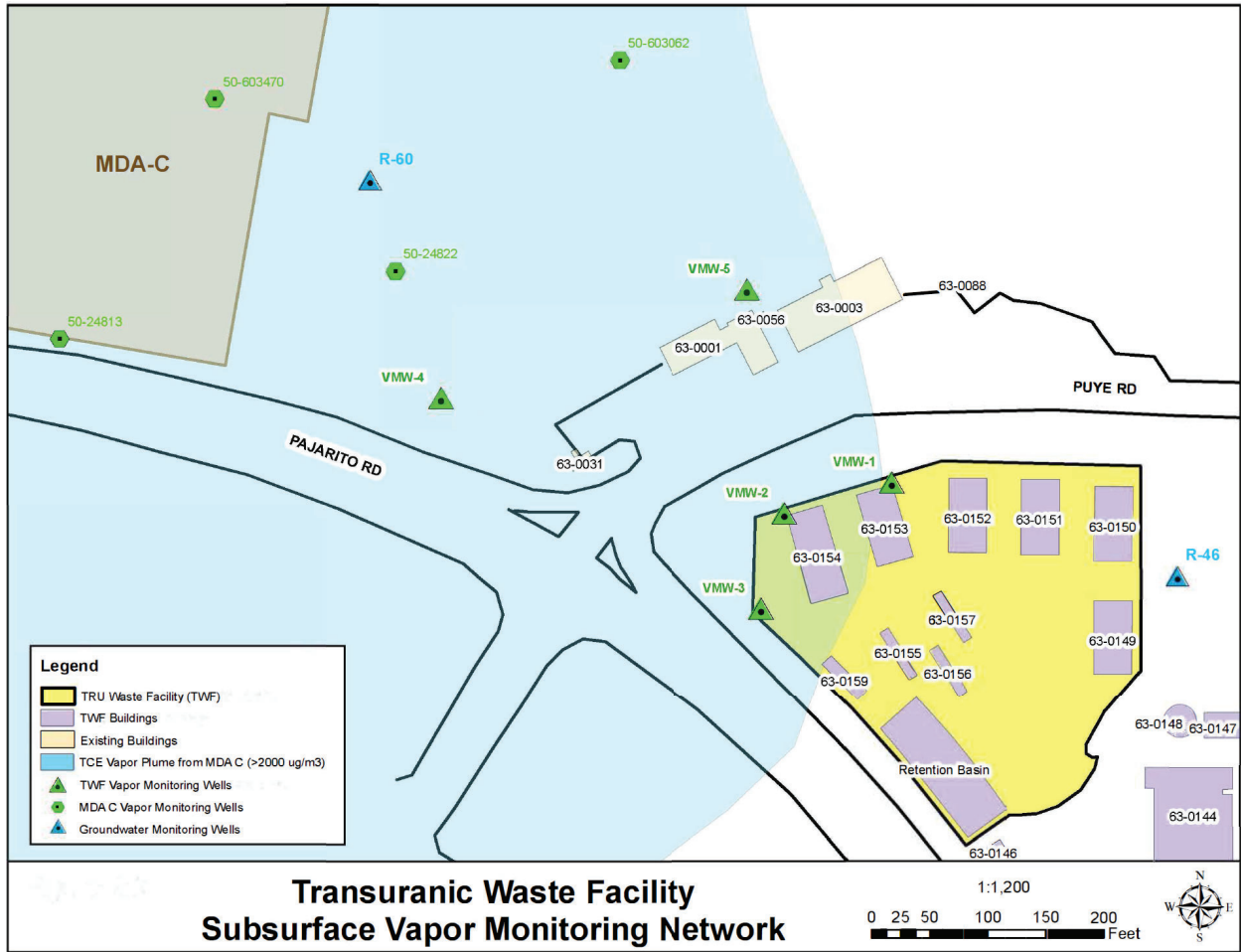


Figure 1. Soil vapor monitoring well locations at TA-63 TWF.

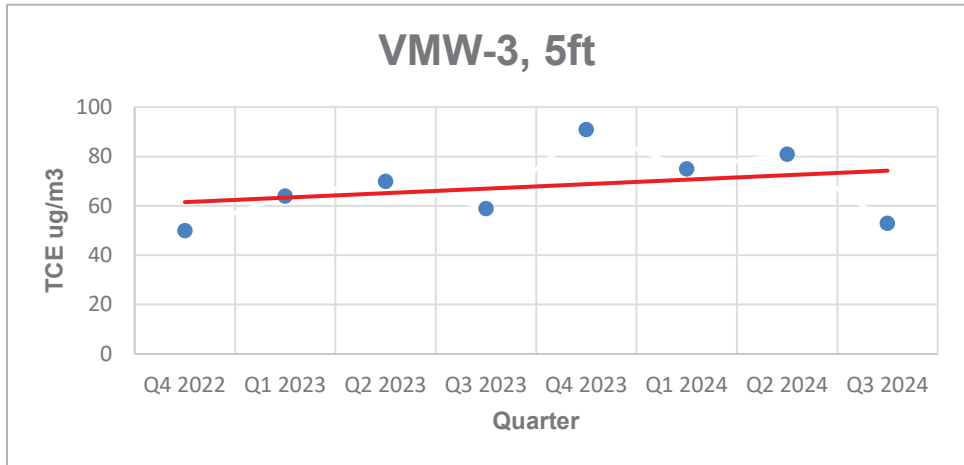
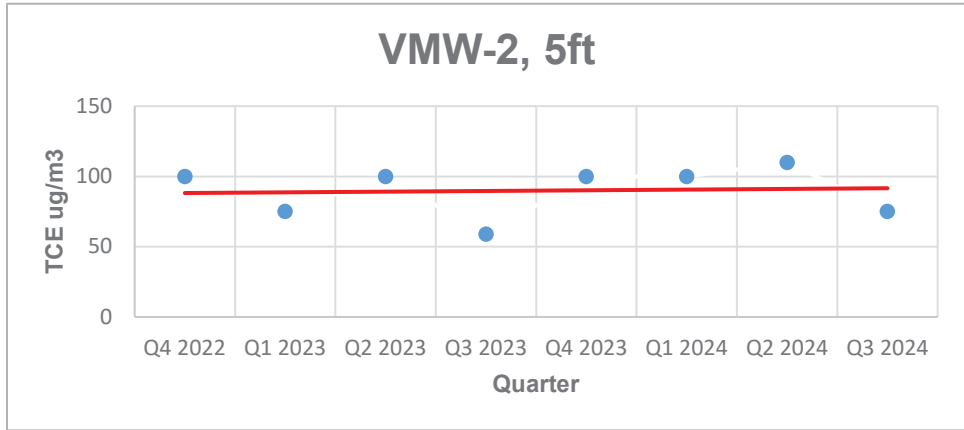
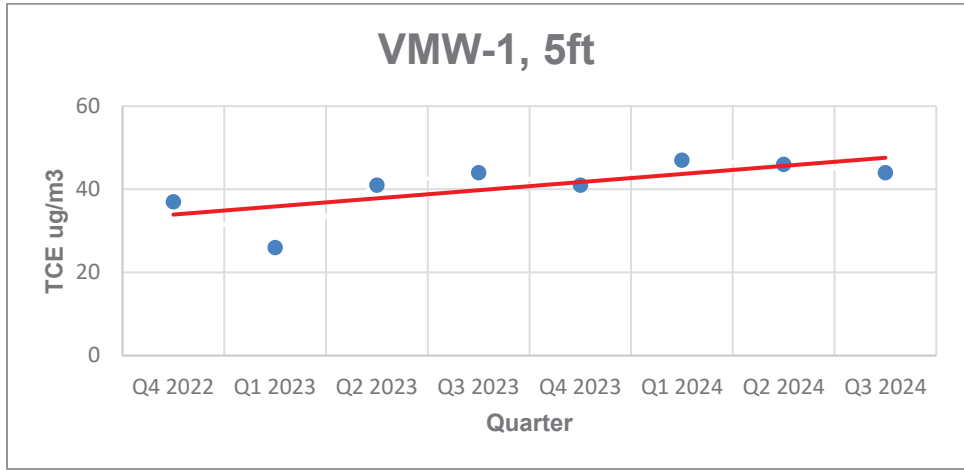


Figure 2. Data plots for TA-63 TWF soil vapor monitoring wells inside the permitted unit.

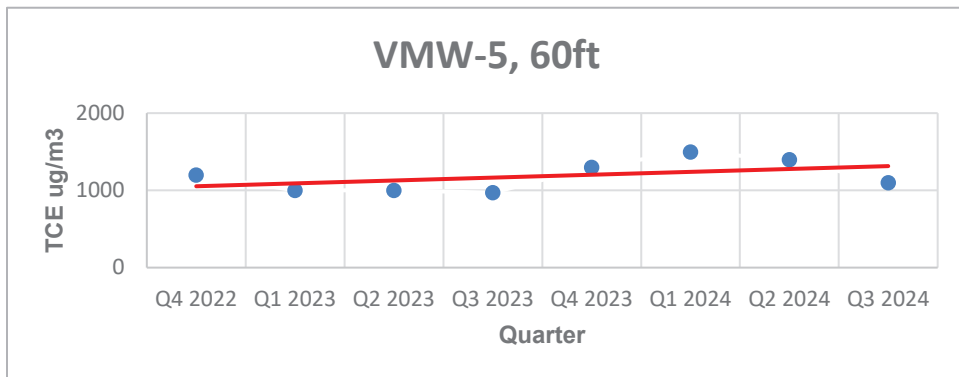
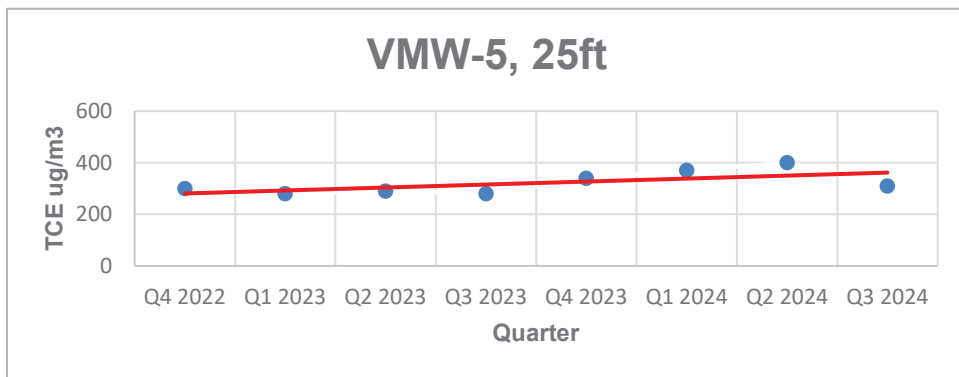
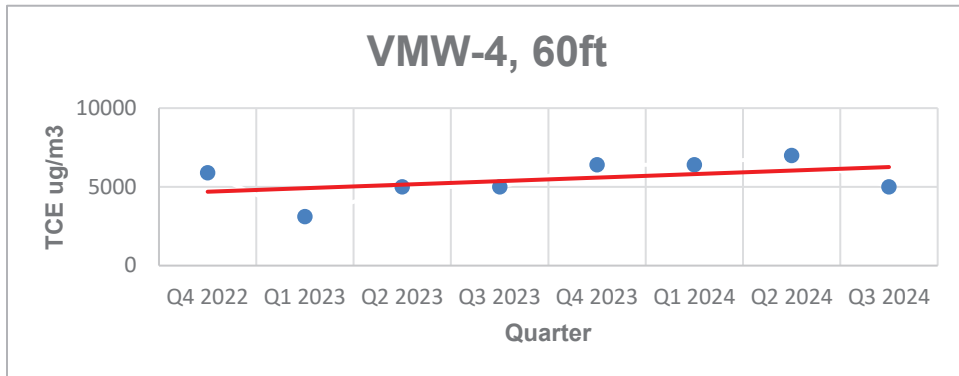
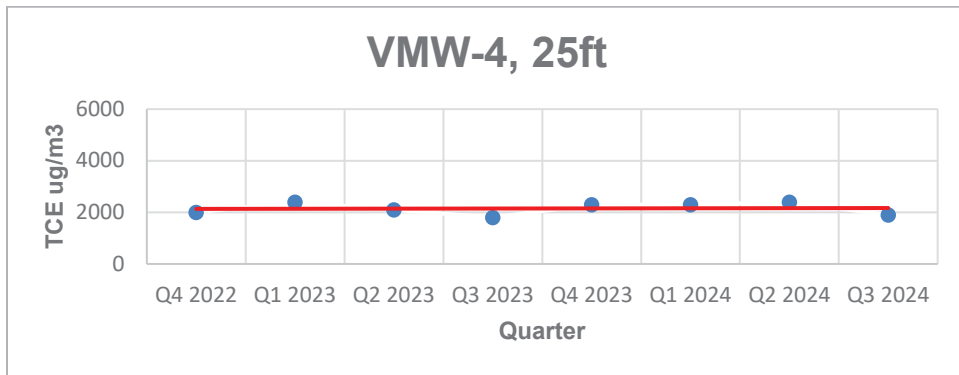


Figure 3. Data plots for TA-63 TWF soil vapor monitoring wells outside the permitted unit.

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Table 1: Detected Volatile Organic Compounds at TA-63 Transuranic Waste Facility – CY2024 Quarter 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
VMW-1 (63-2009)	TWF63-24-334074	5	REG	Trichloroethene	Trichloroethylene	44	-	42	1.94E+04	0.2
	TWF63-24-334074	5	REG	Acetone	Acetone	12	J	76	2.73E+08	<0.1
VMW-2 (63-2010)	TWF63-24-334075	5	REG	Trichloroethene	Trichloroethylene	75	-	41	1.94E+04	0.4
VMW-3 (63-2011)	TWF63-24-334076	5	REG	Trichloroethene	Trichloroethylene	53	-	42	1.94E+04	0.3
VMW-4 (63-2012)	TWF63-24-334077	25	REG	Dichlorodifluoromethane	Dichlorodiflouromethane	45	-	40	2.61E+06	<0.1
	TWF63-24-334077	25	REG	Carbon Tetrachloride	Carbon Tetrachloride	35	J	50	1.06E+05	<0.1
	TWF63-24-334077	25	REG	Chloroform	Chloroform	78	-	39	2.30E+04	0.3
	TWF63-24-334077	25	REG	Tetrachloroethene	Tetrachloroethylene	24	J	54	2.63E+06	<0.1
	TWF63-24-334077	25	REG	Trichloroethene	Trichloroethylene	1900	-	43	1.57E+05	1.2
VMW-4 (63-2012)	TWF63-24-334078	60	REG	Carbon Tetrachloride	Carbon Tetrachloride	82	-	50	2.13E+05	<0.1
	TWF63-24-334078	60	REG	Dichlorodifluoromethane	Dichlorodiflouromethane	110	-	40	5.38E+06	<0.1
	TWF63-24-334078	60	REG	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	24	J	61	1.38E+09	<0.1
	TWF63-24-334078	60	REG	Tetrachloroethene	Tetrachloroethylene	70	-	54	2.05E+06	<0.1
	TWF63-24-334078	60	REG	Dichloroethene[cis-1,2-]	cis-1,2-Dichloroethylene	14	J	32	2.91E+06	<0.1
	TWF63-24-334078	60	REG	Trichlorofluoromethane	Trichlorofluoromethane	5.1	J	45	3.01E+07	<0.1
	TWF63-24-334078	60	REG	Chloroform	Chloroform	160	-	39	4.44E+04	0.4
	TWF63-24-334078	60	REG	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	8.7	J	44	2.34E+08	<0.1
VMW-5 (63-2013)	TWF63-24-334079	25	REG	Dichlorodifluoromethane	Dichlorodiflouromethane	27	J	41	2.61E+06	<0.1
	TWF63-24-334079	25	REG	Trichloroethene	Trichloroethylene	310	-	44	1.57E+05	0.2
	TWF63-24-334079	25	REG	Chloroform	Chloroform	54	-	40	2.30E+04	0.2
	TWF63-24-334079	25	REG	Bromodichloromethane	N/A	6.6	J	55	N/A	N/A
	TWF63-24-334079	25	REG	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	12	J	45	1.16E+08	<0.1
VMW-5 (63-2013)	TWF63-24-334080	60	REG	Dichlorodifluoromethane	Dichlorodiflouromethane	50	-	41	5.38E+06	<0.1
	TWF63-24-334080	60	REG	Carbon Tetrachloride	Carbon Tetrachloride	14	J	52	2.13E+05	<0.1
	TWF63-24-334080	60	REG	Chloroform	Chloroform	24	J	40	4.44E+04	<0.1
	TWF63-24-334080	60	REG	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	27	J	45	2.34E+08	<0.1
	TWF63-24-334080	60	REG	Tetrachloroethene	Tetrachloroethylene	8.8	J	56	2.05E+06	<0.1

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
	TWF63-24-334080	60	REG	Trichloroethene	Trichloroethylene	1100	-	44	9.27E+04	1.2
Field Duplicate	TWF63-24-334081	60	FD	Carbon Tetrachloride	Carbon Tetrachloride	16	J	52	2.13E+05	<0.1
	TWF63-24-334081	60	FD	Dichlorodifluoromethane	Dichlorodifluoromethane	50	-	41	5.38E+06	<0.1
	TWF63-24-334081	60	FD	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	13	J	63	1.38E+09	<0.1
	TWF63-24-334081	60	FD	Chloroform	Chloroform	24	J	40	4.44E+04	<0.1
	TWF63-24-334081	60	FD	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	20	J	45	2.34E+08	<0.1
	TWF63-24-334081	60	FD	Trichloroethene	Trichloroethylene	1100	-	44	9.27E+04	1.2

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
- = no laboratory qualifier

Table 2: Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2024 Quarter 3

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	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	34	U	4.3	34	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	34	U	5.5	34	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	41	U	4.9	41	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	36	U	7.3	36	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	36	U	4.5	36	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	39	U	8.4	39	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	4.3	47	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	61	U	10.0	61	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	12	J	8.8	76	Y
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	79-01-6	Trichloroethene	44		11.0	42	Y
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	47.0	120	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	66	U	13.0	66	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	84	U	20.0	84	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	5.6	20	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	17.0	110	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	80	U	28.0	80	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	100	U	12.0	100	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	39	U	4	39	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	25	U	2.5	25	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	43	U	6	43	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	37	U	3.9	37	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	8	47	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	50	U	8.8	50	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	31.0	130	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	39	U	4.7	39	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	100	U	11.0	100	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	82	U	9.8	82	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	53	U	5.6	53	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	3.8	32	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	31	U	5.5	31	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	44	U	4.7	44	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	23	U	5.3	23	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	28	U	5	28	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	27	U	5.5	27	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	130.0	240	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	120	U	25.0	120	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	67	U	9	67	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	54	U	7.5	54	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	32	U	5	32	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	4	31	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	7.5	31	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	28	U	5.4	28	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	2.4	17	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	100	U	21.0	100	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	9.3	32	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	34.0	130	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	39	U	5.9	39	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	30	U	4.1	30	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	36	U	2	36	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	39	U	4.3	39	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	61	U	11.0	61	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	55	U	10	55	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	36	U	8.3	36	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	94	U	14.0	94	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	7.6	43	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	6.0	54	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	340	U	200.0	340	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	34	U	6.1	34	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	8	47	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	39	U	5	39	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	39	U	2.2	39	N
63-2009	5	TWF63-24-334074	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	4.3	34	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	79-01-6	Trichloroethene	75.0		11.0	41	Y
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	33	U	4.3	33	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	33	U	5.1	33	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	40	U	5	40	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	35	U	7.3	35	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	35	U	4	35	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	38	U	8.4	38	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	46	U	4.2	46	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	59	U	10.0	59	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	2.4	17	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	97	U	20.0	97	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	31	U	9.3	31	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	33.0	130	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	38	U	5.9	38	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	3.8	29	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	35	U	2.1	35	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	23	U	5	23	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	4.6	27	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	26	U	5.5	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/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	230	U	120.0	230	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	110	U	25	110	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	66	U	8.5	66	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	52	U	7.5	52	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	32	U	5.3	32	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	4.4	31	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	7.1	31	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	28	U	5.4	28	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	36	U	4	36	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	46	U	7.2	46	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	48	U	8.8	48	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	30.0	130	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	38	U	4.5	38	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	72	U	28.0	72	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	93	U	12.0	93	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	74	U	8.5	74	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	38	U	3.4	38	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	25	U	2.4	25	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	42	U	5.5	42	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	43	120	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	64	U	13.0	64	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	82	U	20.0	82	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	5	20	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	17.0	110	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	96	U	10.0	96	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	80	U	9.6	80	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	52	U	5.4	52	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	31	U	3.7	31	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	31	U	5.5	31	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	43	U	4.5	43	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	38	U	4.1	38	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	59	U	10.0	59	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	54	U	10.0	54	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	36	U	8.3	36	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	91	U	14.0	91	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	42	U	7.6	42	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	53	U	5.8	53	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	330	U	200.0	330	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	33	U	6.1	33	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	46	U	8.4	46	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	38	U	5	38	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	38	U	2.2	38	N
63-2010	5	TWF63-24-334075	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	33	U	4.3	33	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	79-01-6	Trichloroethene	53		11.0	42	Y
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	55	U	10.0	55	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	36	U	8.3	36	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	94.0	U	14.0	94	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	7.6	43	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	6	54	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	340	U	200.0	340	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	34	U	6.1	34	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	8	47	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	39	U	4.6	39	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	39	U	2	39	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	34	U	4.3	34	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	34	U	6	34	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	41	U	4.9	41	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	36	U	7.3	36	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	36	U	4.5	36	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	39	U	8.4	39	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	4.3	47	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	61	U	10.0	61	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	2	17	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	100	U	21.0	100	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	39	U	4.3	39	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	61	U	11.0	61	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	9.3	32	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	34.0	130	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	39	U	5.9	39	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	30	U	4	30	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	36	U	2.2	36	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	23	U	5	23	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	28	U	5	28	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	27	U	5.5	27	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	130.0	240	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	120	U	25.0	120	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	67	U	8.5	67	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	54	U	7.5	54	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	32	U	5	32	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	4	31	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	7.5	31	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	28	U	5.4	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/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	37	U	3.9	37	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	7.8	47	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	50	U	8.8	50	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	31.0	130	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	39	U	4.7	39	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	80	U	28.0	80	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	100	U	12.0	100	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	76	U	9	76	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	39	U	3.5	39	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	25	U	2.5	25	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	43	U	5.5	43	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	47.0	120	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	66	U	13.0	66	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	84	U	20.0	84	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	5.6	20	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	17.0	110	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	100	U	11.0	100	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	82	U	9.8	82	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	53	U	5.6	53	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	3.8	32	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	31	U	6	31	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	44	U	4.7	44	N
63-2011	5	TWF63-24-334076	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	4.3	34	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	24	J	8.1	54	Y
63-2012	5	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	35	J	8.8	50	Y
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	78		3.6	39	Y
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	45		4.3	40	Y
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	79-01-6	Trichloroethene	1900		11.0	43	Y
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	35	U	4.3	35	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	34	U	5.5	34	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	41	U	4.9	41	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	36	U	7.3	36	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	36	U	4.5	36	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	39	U	8.4	39	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	48	U	4.4	48	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	61	U	10.0	61	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	18	U	2	18	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	100	U	21.0	100	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	10	32	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	34.0	130	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	39	U	6	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/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	30	U	4.1	30	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	37	U	2.2	37	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	24	U	5.3	24	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	28	U	5	28	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	28	U	5.5	28	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	130	240	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	120	U	26	120	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	68	U	9.4	68	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	33	U	5.3	33	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	32	U	4.4	32	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	32	U	7.5	32	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	29	U	5.4	29	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	37	U	4	37	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	48	U	7.8	48	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	32.0	130	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	39	U	4.7	39	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	80	U	28.0	80	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	100	U	12.0	100	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	76	U	8.8	76	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	26	U	2.5	26	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	44	U	6.0	44	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	47.0	120	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	66	U	13.0	66	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	84	U	21.0	84	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	5.6	20	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	18.0	110	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	100	U	11.0	100	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	83	U	10	83	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	54	U	5.6	54	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	3.8	32	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	32	U	5.5	32	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	45	U	4.7	45	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	61	U	11.0	61	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	56	U	10.0	56	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	37	U	8	37	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	94	U	14.0	94	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	44	U	7.6	44	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	55	U	6	55	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	340	U	220.0	340	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	35	U	6.1	35	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	48	U	8	48	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	39	U	4.6	39	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	39	U	2.2	39	N
63-2012	25	TWF63-24-334077	07/31/2024	08/13/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	35	U	4.3	35	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	70.0		8.1	54	Y
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	14	J	4.4	32	Y
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	82		8.8	50	Y
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	160		3.6	39	Y
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	9	J	6.0	44	Y
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	5	J	4.7	45	Y
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	110		4.3	40	Y
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	24	J	11.0	61	Y
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	79-01-6	Trichloroethene	5000.0		12.0	43	Y
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	5.6	20	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	18.0	110	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	100	U	11.0	100	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	83	U	10.0	83	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	54	U	5.7	54	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	35	U	4.3	35	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	34	U	5.5	34	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	41	U	4.9	41	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	36	U	7	36	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	36	U	4.5	36	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	39	U	9	39	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	48	U	4.4	48	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	61	U	11.0	61	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	18	U	2.4	18	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	100	U	21.0	100	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	9.7	32	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	34.0	130	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	39	U	6.4	39	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	30	U	4.1	30	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	37	U	2	37	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	24	U	5.3	24	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	28	U	4.6	28	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	28	U	5.5	28	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	130.0	240	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	47.0	120	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	66	U	13	66	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	84	U	21.0	84	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	120	U	26.0	120	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	68	U	9.4	68	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	33	U	6	33	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	32	U	8	32	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	29	U	5.8	29	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	37	U	4.0	37	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	48	U	7.8	48	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	32.0	130	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	39	U	5	39	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	80	U	28.0	80	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	100	U	13.0	100	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	76	U	9.0	76	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	26	U	3	26	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	3.8	32	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	32	U	6	32	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	56	U	10	56	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	37	U	8.3	37	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	94	U	14.0	94	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	44	U	7.6	44	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	55	U	6.0	55	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	340	U	220	340	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	35	U	6.1	35	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	48	U	8.4	48	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	39	U	5	39	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	39	U	2.3	39	N
63-2012	60	TWF63-24-334078	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	35	U	4.8	35	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	54		3.6	40	Y
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	12	J	6.0	45	Y
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	6.6	J	5.8	55	Y
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	27	J	4.3	41	Y
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	79-01-6	Trichloroethene	310		12.0	44	Y
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	36.0	U	4.3	36	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	35	U	5.5	35	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	42	U	5.0	42	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	37	U	7.7	37	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	37	U	5	37	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	40	U	8.8	40	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	49	U	4.4	49	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	63	U	11	63	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	18	U	2.4	18	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	100	U	21	100	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	33	U	9.7	33	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	140	U	35	140	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	40	U	6.4	40	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	31	U	4.1	31	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	38	U	2.3	38	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	24	U	5.3	24	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	29	U	4.6	29	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	28	U	6	28	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	130.0	240	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	120	U	26.0	120	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	70	U	9.4	70	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	56	U	8.1	56	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	34	U	6	34	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	32	U	4.8	32	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	32	U	8	32	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	30	U	6	30	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	38	U	4.0	38	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	49	U	7.8	49	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	52	U	8.8	52	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	140	U	32.0	140	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	40	U	4.8	40	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	77	U	30	77	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	100	U	13	100	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	78	U	9.0	78	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	26	U	2.6	26	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	130	U	47.0	130	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	68	U	14.0	68	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	87	U	21.0	87	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	21	U	5.6	21	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	18.0	110	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	100	U	11.0	100	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	85	U	10.0	85	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	33	U	3.9	33	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	32	U	5.5	32	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	46	U	4.8	46	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	63	U	11.0	63	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	57	U	11.0	57	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	38	U	8.3	38	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	97	U	14.0	97	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	45	U	7.6	45	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	56	U	6.2	56	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	350	U	220.0	350	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	36	U	6.1	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/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	49	U	9.0	49	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	40	U	5	40	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	40	U	2.3	40	N
63-2013	25	TWF63-24-334079	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	36	U	4.8	36	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	9	J	8.1	56	Y
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	14	J	8.8	52	Y
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	24	J	3.7	40	Y
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	27	J	6.0	45	Y
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	50		4.4	41	Y
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	79-01-6	Trichloroethene	1100		12.0	44	Y
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	36	U	4.3	36	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	35	U	5.5	35	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	42	U	5.0	42	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	37	U	7.7	37	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	37	U	4.5	37	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	40	U	8.8	40	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	49	U	4.5	49	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	63	U	11.0	63	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	18	U	2	18	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	100	U	22.0	100	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	33	U	10	33	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	140	U	35.0	140	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	40	U	6	40	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	31	U	4.1	31	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	38	U	2.3	38	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	24	U	5.6	24	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	29	U	5	29	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	28	U	5.5	28	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	130	240	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	120	U	26.0	120	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	70	U	9.4	70	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	34	U	5.7	34	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	32	U	4.8	32	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	32	U	7.9	32	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	30	U	5.8	30	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	38	U	4	38	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	49	U	7.8	49	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	140	U	32.0	140	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	40	U	4.8	40	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	77	U	30.0	77	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	100	U	13.0	100	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	78	U	9.0	78	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	26	U	2.6	26	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	130	U	47.0	130	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	68	U	14.0	68	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	87	U	21.0	87	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	21	U	5.6	21	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	18.0	110	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	100	U	11.0	100	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	85	U	10	85	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	55	U	5.8	55	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	33	U	3.9	33	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	32	U	5.5	32	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	46	U	4.8	46	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	63	U	11.0	63	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	57	U	11.0	57	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	38	U	9	38	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	97	U	14.0	97	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	45	U	7.6	45	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	56	U	6	56	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	350	U	220.0	350	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	36	U	6.5	36	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	49	U	9	49	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	40	U	4.8	40	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	40	U	2.3	40	N
63-2013	60	TWF63-24-334080	07/31/2024	08/14/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	36	U	4.8	36	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	56-23-5	Carbon Tetrachloride	16	J	8.8	52	Y
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	67-66-3	Chloroform	24	J	3.7	40	Y
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	71-55-6	Trichloroethane[1,1,1-]	20	J	6.0	45	Y
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	75-71-8	Dichlorodifluoromethane	50		4.4	41	Y
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	13	J	11.0	63	Y
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	79-01-6	Trichloroethene	1100		12.0	44	Y
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	100-41-4	Ethylbenzene	36	U	4.3	36	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	100-42-5	Styrene	35	U	5.5	35	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	100-44-7	Benzyl Chloride	42	U	5.0	42	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	10061-01-5	Dichloropropene[cis-1,3-]	37	U	7.7	37	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	10061-02-6	Dichloropropene[trans-1,3-]	37	U	4.5	37	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	103-65-1	Propylbenzene[1-]	40	U	8.8	40	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	106-46-7	Dichlorobenzene[1,4-]	49	U	4.5	49	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	106-93-4	Dibromoethane[1,2-]	63	U	11.0	63	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	106-99-0	Butadiene[1,3-]	18	U	2.4	18	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	107-05-1	Chloro-1-propene[3-]	100	U	22.0	100	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	107-06-2	Dichloroethane[1,2-]	33	U	10	33	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	108-10-1	Methyl-2-pentanone[4-]	140	U	35.0	140	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	108-67-8	Trimethylbenzene[1,3,5-]	40	U	6	40	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	108-88-3	Toluene	31	U	4.1	31	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	108-90-7	Chlorobenzene	38	U	2.3	38	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	109-99-9	Tetrahydrofuran	24	U	5.6	24	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	110-54-3	Hexane	29	U	4.9	29	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	110-82-7	Cyclohexane	28	U	5.5	28	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	130.0	240	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	123-91-1	Dioxane[1,4-]	120	U	26.0	120	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	124-48-1	Chlorodibromomethane	70	U	9.4	70	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	127-18-4	Tetrachloroethene	56	U	8.1	56	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	142-82-5	n-Heptane	34	U	5.7	34	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	156-59-2	Dichloroethene[cis-1,2-]	32	U	4.8	32	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	156-60-5	Dichloroethene[trans-1,2-]	32	U	7.9	32	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	1634-04-4	Methyl tert-Butyl Ether	30	U	5.8	30	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	540-84-1	Isooctane	38	U	4.1	38	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	541-73-1	Dichlorobenzene[1,3-]	49	U	8	49	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	591-78-6	Hexanone[2-]	140	U	32.0	140	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	622-96-8	Ethyltoluene[4-]	40	U	4.8	40	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	64-17-5	Ethanol	77	U	30.0	77	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	67-63-0	Propanol[2-]	100	U	13	100	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	67-64-1	Acetone	78	U	9	78	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	71-43-2	Benzene	26	U	2.6	26	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	74-83-9	Bromomethane	130	U	47.0	130	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	74-87-3	Chloromethane	68	U	14.0	68	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	75-00-3	Chloroethane	87	U	21.0	87	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	75-01-4	Vinyl Chloride	21	U	5.6	21	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	75-09-2	Methylene Chloride	110	U	18	110	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	75-15-0	Carbon Disulfide	100	U	11.0	100	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	75-25-2	Bromoform	85	U	10.0	85	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	75-27-4	Bromodichloromethane	55	U	5.8	55	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	75-34-3	Dichloroethane[1,1-]	33	U	4	33	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	75-35-4	Dichloroethene[1,1-]	32	U	5.5	32	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	75-69-4	Trichlorofluoromethane	46	U	5	46	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	57	U	11	57	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	78-87-5	Dichloropropane[1,2-]	38	U	8.8	38	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	78-93-3	Butanone[2-]	97	U	14.0	97	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	79-00-5	Trichloroethane[1,1,2-]	45	U	7.6	45	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	56	U	6.2	56	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	87-68-3	Hexachlorobutadiene	350	U	220	350	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	95-47-6	Xylene[1,2-]	36	U	6.5	36	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	95-50-1	Dichlorobenzene[1,2-]	49	U	9.0	49	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	95-63-6	Trimethylbenzene[1,2,4-]	40	U	5	40	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	98-82-8	Isopropylbenzene	40	U	2.3	40	N
63-2013	60	TWF63-24-334081	07/31/2024	08/14/2024	VOC	EPA:TO15	FD	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	36	U	4.8	36	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	100-41-4	Ethylbenzene	35	U	4.3	35	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	100-42-5	Styrene	34	U	5.5	34	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	100-44-7	Benzyl Chloride	41	U	4.9	41	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	10061-01-5	Dichloropropene[cis-1,3-]	36	U	7.3	36	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	10061-02-6	Dichloropropene[trans-1,3-]	36	U	5	36	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	103-65-1	Propylbenzene[1-]	39	U	8.8	39	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	75-00-3	Chloroethane	84	U	21.0	84	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	75-01-4	Vinyl Chloride	20	U	5.6	20	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	75-09-2	Methylene Chloride	110	U	18	110	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	75-15-0	Carbon Disulfide	100	U	11.0	100	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	75-25-2	Bromoform	83	U	10.0	83	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	75-27-4	Bromodichloromethane	54	U	6	54	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	75-34-3	Dichloroethane[1,1-]	32	U	3.8	32	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	106-99-0	Butadiene[1,3-]	18	U	2	18	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	107-05-1	Chloro-1-propene[3-]	100	U	21.0	100	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	107-06-2	Dichloroethane[1,2-]	32	U	10	32	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	34.0	130	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	108-67-8	Trimethylbenzene[1,3,5-]	39	U	6.4	39	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	108-88-3	Toluene	30	U	4.1	30	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	108-90-7	Chlorobenzene	37	U	2.2	37	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	109-99-9	Tetrahydrofuran	24	U	5.3	24	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	110-54-3	Hexane	28	U	4.6	28	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	110-82-7	Cyclohexane	28	U	6	28	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	130.0	240	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	106-46-7	Dichlorobenzene[1,4-]	48	U	4.4	48	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	106-93-4	Dibromoethane[1,2-]	61	U	11.0	61	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	64-17-5	Ethanol	80	U	28.0	80	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	67-63-0	Propanol[2-]	100	U	13.0	100	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	67-64-1	Acetone	76	U	9.0	76	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	67-66-3	Chloroform	39	U	4	39	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	71-43-2	Benzene	26	U	2.5	26	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	71-55-6	Trichloroethane[1,1,1-]	44	U	6	44	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	74-83-9	Bromomethane	120	U	47.0	120	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	74-87-3	Chloromethane	66	U	13.0	66	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	123-91-1	Dioxane[1,4-]	120	U	26.0	120	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	124-48-1	Chlorodibromomethane	68	U	9.4	68	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	127-18-4	Tetrachloroethene	54	U	8.1	54	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	142-82-5	n-Heptane	33	U	5.7	33	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	156-59-2	Dichloroethene[cis-1,2-]	32	U	4	32	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	156-60-5	Dichloroethene[trans-1,2-]	32	U	8	32	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	1634-04-4	Methyl tert-Butyl Ether	29	U	5.8	29	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	540-84-1	Isooctane	37	U	4.0	37	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	541-73-1	Dichlorobenzene[1,3-]	48	U	7.8	48	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	56-23-5	Carbon Tetrachloride	50	U	8.8	50	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	591-78-6	Hexanone[2-]	130	U	32.0	130	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	622-96-8	Ethyltoluene[4-]	39	U	4.7	39	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	75-35-4	Dichloroethene[1,1-]	32	U	5.5	32	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	75-69-4	Trichlorofluoromethane	45	U	4.7	45	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	75-71-8	Dichlorodifluoromethane	40	U	4.3	40	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	61	U	11.0	61	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	56	U	10.0	56	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	78-87-5	Dichloropropane[1,2-]	37	U	8.3	37	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	78-93-3	Butanone[2-]	94	U	14.0	94	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	79-00-5	Trichloroethane[1,1,2-]	44	U	7.6	44	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	79-01-6	Trichloroethene	43	U	12.0	43	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	55	U	6.0	55	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	87-68-3	Hexachlorobutadiene	340	U	220.0	340	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	95-47-6	Xylene[1,2-]	35	U	6.1	35	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	95-50-1	Dichlorobenzene[1,2-]	48	U	8.4	48	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	95-63-6	Trimethylbenzene[1,2,4-]	39	U	4.7	39	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	98-82-8	Isopropylbenzene	39	U	2.3	39	N
63-2013		TWF63-24-334082	07/31/2024	08/14/2024	VOC	EPA:TO15	FB	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	35	U	4.8	35	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)	Q4 2022		Q1 2023		Q2 2023		Q3 2023		Q4 2023		Q1 2024		Q2 2024		Q3 2024	
			11/30/2022		3/1/2023		5/24/2023		8/24/2023		11/1/2023		1/31/2024		4/30/2024		7/31/2024	
			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	37	0.2	26	0.1	41	0.2	46	0.2	41	0.2	47	0.2	46	0.2	44	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	-	-	-	-	-	-	18.0	<0.1	-	-	-	-	-	-	12	<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	100	0.5	75	0.4	100	0.5	59	0.3	100	0.5	100	0.5	110	0.6	75	0.4
	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	50	0.3	64	0.3	70	0.4	59	0.3	91	0.5	75	0.4	81	0.4	53	0.3
	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	2400	1.5	2100	1.3	1800	1.1	2300	1.5	2300	1.5	2400	1.5	1900	1.2
	Tetrachloroethylene	2.63E+06	31	<0.1	31	<0.1	31	<0.1	32	<0.1	31	<0.1	30	<0.1	31	<0.1	24	<0.1
	Carbon tetrachloride	1.06E+05	33	<0.1	47	<0.1	38	<0.1	33	<0.1	35	<0.1	31	<0.1	36	<0.1	35	<0.1
	Chloroform	2.30E+04	73	0.3	78	0.3	83	0.4	73	0.3	93	0.4	78	0.3	78	0.3	78	0.3
	Dichlorodifluoromethane	2.61E+06	44	<0.1	69	<0.1	64	<0.1	50	<0.1	48	<0.1	44	<0.1	48	<0.1	45	<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	5900	6.4	3100	3.3	5000	5.4	5000	5.4	6400	6.9	6400	6.9	7000	7.6	5000	5.4
	Tetrachloroethylene	2.05E+06	81	<0.1	37	<0.1	57	<0.1	81	<0.1	67	<0.1	60	<0.1	75	<0.1	70	<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	14	<0.1
	Carbon tetrachloride	2.13E+05	82	<0.1	45	<0.1	88	<0.1	88	<0.1	100	<0.1	75	<0.1	88	<0.1	82	<0.1
	Chloroform	4.44E+04	160	0.4	88	0.2	170	0.4	100	0.2	200	0.5	160	0.4	170	0.4	160	0.4
	1,1,1-Trichloroethane	2.34E+08	-	-	-	-	11	<0.1	-	-	9.8	<0.1	9.3	<0.1	7.6	<0.1	8.7	<0.1
	Dichlorodifluoromethane	5.38E+06	110	<0.1	69	<0.1	130	<0.1	120	<0.1	130	<0.1	100	<0.1	110	<0.1	110	<0.1
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.38E+09	31	<0.1	11	<0.1	22	<0.1	23	<0.1	27	<0.1	23	<0.1	28	<0.1	24	<0.1
	Toluene	2.14E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	1.02E+09	-	-	-	-	-	-	-	-	200	<0.1	-	-	-	-	-	-	

Well ID (Port(ft))	Constituent	Soil Gas Screening Level (ug/m3)	Q4 2022		Q1 2023		Q2 2023		Q3 2023		Q4 2023		Q1 2024		Q2 2024		Q3 2024	
			11/30/2022		3/1/2023		5/24/2023		8/24/2023		11/1/2023		1/31/2024		4/30/2024		7/31/2024	
			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	5.1	<0.1
VMW-5 (25) 63-2013	Trichloroethylene	1.57E+05	300	0.2	280	0.2	290	0.2	280	0.2	340	0.2	370	0.2	400	0.3	310	0.2
	Chloroform	2.30E+04	42	0.2	45	0.2	50	0.2	50	0.2	63	0.3	47	0.2	59	0.3	54	0.2
	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	12	<0.1
	Dichlorodifluoromethane	2.61E+06	31	<0.1	34	<0.1	31	<0.1	36	<0.1	34	<0.1	29	<0.1	31	<0.1	27	<0.1
	Tetrachloroethylene	2.63E+06	-	-	8.8	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
	Acetone	5.44E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	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	1000	1.1	1000	1.1	970	1.0	1300	1.4	1500	1.6	1400	1.5	1100	1.2
	Tetrachloroethylene	2.05E+06	-	-	12	<0.1	-	-	13	<0.1	12	<0.1	13	<0.1	13	<0.1	8.8	<0.1
	Chloroform	4.44E+04	21	<0.1	20	<0.1	22	<0.1	22	<0.1	29	<0.1	25	<0.1	25	<0.1	24	<0.1
	1,1,1-Trichloroethane	2.34E+08	28	<0.1	28	<0.1	25	<0.1	26	<0.1	32	<0.1	26	<0.1	25	<0.1	27	<0.1
	Dichlorodifluoromethane	5.38E+06	54.0	<0.1	50.0	<0.1	54	<0.1	48	<0.1	59	<0.1	49	<0.1	50	<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	-	-	15	<0.1	11	<0.1	-	-	17.0	<0.1	16.0	<0.1	16	<0.1	14	<0.1
Acetone	1.02E+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Field Duplicates:																		
Well ID (Port(ft))	Constituent	Soil Gas Screening Level (ug/m3)	Q4 2022		Q1 2023		Q2 2023		Q3 2023		Q4 2023		Q1 2024		Q2 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VWM-4 (60) 23-2012(FD)	Dichlorofluoromethane	2.61E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichloroethylene	9.27E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethylene	2.05E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,2-Dichloroethylene	2.91E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	2.13E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	4.44E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	5.38E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-5 (25) 63-2013(FD)	Acetone	1.02E+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.38E+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichloroethylene	1.57E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-5 (25) 63-2013(FD)	Tetrachloroethylene	2.63E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	2.30E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Well ID (Port(ft))	Constituent	Soil Gas Screening Level (ug/m3)	Q4 2022		Q1 2023		Q2 2023		Q3 2023		Q4 2023		Q1 2024		Q2 2024		Q3 2024	
			11/30/2022		3/1/2023		5/24/2023		8/24/2023		11/1/2023		1/31/2024		4/30/2024		7/31/2024	
			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 (%)
	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	1100	1.2
	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	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	20	<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	50	<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	13	<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	24	<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 ($\mu\text{g}/\text{m}^3$)	VMW-2 5ft ($\mu\text{g}/\text{m}^3$)	VMW-3 5ft ($\mu\text{g}/\text{m}^3$)	VMW-4 25ft ($\mu\text{g}/\text{m}^3$)	VMW-4 60ft ($\mu\text{g}/\text{m}^3$)	VMW-5 25ft ($\mu\text{g}/\text{m}^3$)	VMW-5 60ft ($\mu\text{g}/\text{m}^3$)
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
2024 Quarter 3	44	75	53	1900	5000	310	1100
Mean (M)	44.7	97.5	74.5	2533.0	6709.9	348.9	1309.6
Standard Deviation (SD)[n-1]	9.7	17.8	15.4	470.7	1329.4	51.6	166.0
2SD Lower Limit (M-2×SD)	25.2	61.9	43.7	1591.7	4051.2	245.6	977.6
2SD Upper Limit (M+2×SD)	64.2	133.2	105.2	3474.3	9368.6	452.1	1641.7
3SD Lower Limit (M-3×SD)	15.4	44.1	28.4	1121.0	2721.8	194.0	811.6
3SD Upper Limit (M+3×SD)	73.9	151.0	120.6	3945.0	10698.0	503.7	1807.7

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SAMPLE COLLECTION LOGS

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Eurofins Environmental Testing
Air Toxics
Folsom CA

Chain of Custody/Analysis Request

COC/Lab Request #:
2024-1501
Page 1 of 1

Client Contact: _____ Lab Agreement #: **648313** Site Name: Los Alamos National Laboratory

Project Number: LANL

Analysis Turnaround Time:
 24 Hour - Other -
 7 Days -
 14 Days -
 21 Days -
 28 Days -

Total # of bottles: 9

Event ID: 16351

Field Sample ID

Sample Date

Sample Time

Sample Matrix

TO15

TWF63-24-334074 07/31/2024 09:11 GAS 1

TWF63-24-334075 07/31/2024 09:32 GAS 1

TWF63-24-334076 07/31/2024 09:54 GAS 1

TWF63-24-334077 07/31/2024 10:45 GAS 1

TWF63-24-334078 07/31/2024 11:04 GAS 1

TWF63-24-334079 07/31/2024 11:27 GAS 1

TWF63-24-334080 07/31/2024 11:44 GAS 1

TWF63-24-334081 07/31/2024 11:45 GAS 1

TWF63-24-334082 07/31/2024 12:19 GAS 1

Special Instructions:

Relinquished by: *[Signature]* Print Name: *[Name]* Date/Time: *[Date/Time]*
 Relinquished by: *[Signature]* Print Name: *[Name]* Date/Time: *[Date/Time]*
 Relinquished by: *[Signature]* Print Name: *[Name]* Date/Time: *[Date/Time]*

Rad Screening Info:
Acceptable knowledge identifies no DOT hazard classification
Lab Reporting Limit Type:
Method Detection Limit

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16351

EVENT NAME: CY 2024 - July - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-334074

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		07/31/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		0911	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: Summa # NI664

FIELD PARAMETERS:

Sample Time 0911 HH:MM

$CH_4 = \underline{0} \%$
 $CO_2 = \underline{14400} \text{ ppm}$
 $O_2 = \underline{20.0} \%$
 $VOC = \underline{0.0} \text{ ppm}$

COLLECTED BY (PRINT): A. Vignis

REVIEWED BY (PRINT): Megan Begay

RELINQUISHED BY (Printed Name) <i>meissa starr</i> (Signature) <i>[Signature]</i>	Date/Time 07/31/2024 1245	RECEIVED BY (Printed Name) <i>Melissa Starr</i> (Signature) <i>[Signature]</i>	Date/Time 7/31/24 1245
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: 07/25/2024

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16351

EVENT NAME: CY 2024 - July - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-334075

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		07/31/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		0932	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
NA	TO15	6 Liter Summa Canister	1	NONE	Y	6 Liter Summa

SAMPLE COMMENTS: part 1

LOCATION COMMENTS: Summa # N1891

FIELD PARAMETERS:

Sample Time 0932 HH:MM

CH₄ = 0 % CO₂ = 7800 PPM O₂ = 21.3 % VOL 0.0 PPM

COLLECTED BY (PRINT): A. Vigil

REVIEWED BY (PRINT): Megan Begay

RELINQUISHED BY (Printed Name) <i>Melissa Stastny</i> (Signature) <i>[Signature]</i>	Date/Time 07/31/2024 1245	RECEIVED BY (Printed Name) <i>Melissa Stastny</i> (Signature) <i>[Signature]</i>	Date/Time 7/31/24 1245
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: 07/25/2024

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16351

EVENT NAME: CY 2024 - July - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-334076

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		07/31/2024	FIELD MATRIX:	GAS	OK
TIME COLLECTED (HH:MM):		0954	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: Part 1

LOCATION COMMENTS: Summa # 1603

FIELD PARAMETERS:

Sample Time 0954 HH:MM

CH₄ = 0 % CO₂ = 6200 ppm O₂ = 21.8 % VOC = 0.0 ppm

COLLECTED BY (PRINT): M. Begay

REVIEWED BY (PRINT): Megan Begay

RELINQUISHED BY (Printed Name) <i>Melissa Staring</i> (Signature) <i>[Signature]</i>	Date/Time 07/31/2024 1245	RECEIVED BY (Printed Name) <i>Melissa Staring</i> (Signature) <i>[Signature]</i>	Date/Time 7/31/24 1245
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: 07/25/2024

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16351 EVENT NAME: CY 2024 - July - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-334077

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		07/31/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1045	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 / <u>NA</u>	

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

SAMPLE COMMENTS: Port 1

LOCATION COMMENTS: Summa # N1765

FIELD PARAMETERS:

Sample Time 1045 HH:MM

CH₄ = 0 % CO₂ = 13800 ppm O₂ = 20.0 % VOL = 0.0 ppm

COLLECTED BY (PRINT): m. Begay

REVIEWED BY (PRINT): Megan Begay

RELINQUISHED BY (Printed Name) (Signature) <i>M. Begay</i>	Date/Time 07/31/2024 1245	RECEIVED BY (Printed Name) (Signature) <i>Melissa Monte</i>	Date/Time 7/31/24 1245
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: 07/25/2024

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16351

EVENT NAME: CY 2024 - July - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-334078

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		07/31/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1104	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 / <u>NA</u>	

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

SAMPLE COMMENTS: port 2

LOCATION COMMENTS: summa # 33549

FIELD PARAMETERS:

Sample Time 1104 HH:MM

CH₄ = 0 % CO₂ = 17400 ppm O₂ = 20.9 % VOC = 0.9 ppm

COLLECTED BY (PRINT): m. Begay

REVIEWED BY (PRINT): Megan Begay

RELINQUISHED BY (Printed Name) <u>meissa stalling</u> (Signature) <u>[Signature]</u>	Date/Time <u>07/31/2024</u> <u>1245</u>	RECEIVED BY (Printed Name) <u>Melissa Stalling</u> (Signature) <u>[Signature]</u>	Date/Time <u>7/31/24</u> <u>1245</u>
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: 07/25/2024

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16351 **EVENT NAME:** CY 2024 - July - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-334079

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		07/31/2024	FIELD MATRIX:	GAS	OK
TIME COLLECTED (HH:MM):		1127	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 # 33983

FIELD PARAMETERS:

Sample Time 1127 HH:MM

CH₄ = 0 % CO₂ = 4000 ppm O₂ = 19.3 % VOC = 0.1 ppm

COLLECTED BY (PRINT): m. Begay

REVIEWED BY (PRINT): Megan Begay

RELINQUISHED BY (Printed Name) <i>M. A. Adams</i> (Signature) <i>M. A. Adams</i>	Date/Time 07/31/2024 1245	RECEIVED BY (Printed Name) <i>Melissa Adams</i> (Signature) <i>Melissa Adams</i>	Date/Time 7/31/24 1245
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: 07/25/2024

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16351 EVENT NAME: CY 2024 - July - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-334080

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		07/31/2024	FIELD MATRIX:	GAS	OK
TIME COLLECTED (HH:MM):		1144	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 # 33872

FIELD PARAMETERS:

Sample Time 1144 HH:MM

CH₄ = 0 % CO₂ = 2600 ppm O₂ = 19.2 % VOC = 0.3 ppm

COLLECTED BY (PRINT): M. Begay

REVIEWED BY (PRINT): Megan Begay

RELINQUISHED BY (Printed Name) <u>Melissa Stanton</u> (Signature) <u>[Signature]</u>	Date/Time <u>07/31/2024</u> <u>1245</u>	RECEIVED BY (Printed Name) <u>Melissa Stanton</u> (Signature) <u>[Signature]</u>	Date/Time <u>7/31/24</u> <u>1245</u>
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: 07/25/2024

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16351 EVENT NAME: CY 2024 - July - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-334081

WORK ORDER:

	<u>AS PLANNED</u>	<u>AS COLLECTED</u>		<u>AS PLANNED</u>	<u>AS COLLECTED</u>
Date Collected (MM/DD/YYYY):		07/31/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1145	MEDIA:	GAS	↓
SWMU/AOC:		TA63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2013	ok	FIELD PREP:	NA	
LOCATION TYPE:	BHover10ft	↓	FIELD QC TYPE:	FD	
TOP DEPTH:		59 ft	SAMPLE USAGE:	QC	
BOTTOM DEPTH:		60 ft	EXCAVATED:	YES / NO / <u>NA</u>	

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

SAMPLE COMMENTS: port

LOCATION COMMENTS: Summa # 34202

FIELD PARAMETERS:

Sample Time 1145 HH:MM

COLLECTED BY (PRINT): m. Begay

REVIEWED BY (PRINT): Megan Begay

RELINQUISHED BY (Printed Name) <i>m. Begay</i> (Signature) <i>[Signature]</i>	Date/Time 07/31/2024 1245	RECEIVED BY (Printed Name) <i>Melissa K...</i> (Signature) <i>[Signature]</i>	Date/Time 7/31/24 1245
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: 07/25/2024

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16351

EVENT NAME: CY 2024 - July - TA-63 - TWF - Poregas Sampling

SAMPLE ID: TWF63-24-334082

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		07/31/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		12:19	MEDIA:	GAS	
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 for TWF 63-24-334080

LOCATION COMMENTS: Summa # 21011

FIELD PARAMETERS:

Sample Time 12:19 HH:MM

COLLECTED BY (PRINT): m. shendo

REVIEWED BY (PRINT): Megan Begay

RELINQUISHED BY (Printed Name) <i>meissa jstony</i> (Signature) <i>[Signature]</i>	Date/Time 07/31/2024 12:45	RECEIVED BY (Printed Name) <i>Melise M...</i> (Signature) <i>[Signature]</i>	Date/Time 7/31/24 1:24
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: 07/25/2024