ESHID-603864

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Symbol: EPC-DO-24-346
Date: December 18, 2024
LA-UR: 24-32866

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 4, October

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 4, October* 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 4 sampling conducted on October 30, 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 Jackie Hurtle (Triad) at (505) 665-4380 or by email at jhurtle@lanl.gov.

Sincerely,

JEANNETTE HYATT (Affiliate)
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Jeannette T. Hyatt
Senior Director
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Triad National Security, LLC
Los Alamos National Laboratory

Sincerely,

ROBERT GALLEGOS
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Robert A. Gallegos
Program Manager
Environmental Permitting and Compliance Program
National Nuclear Security Administration
Los Alamos Field Office
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SLS/RAG

Enclosure: *Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2024, Quarter 4, October*

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

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ENCLOSURE

Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2024, Quarter 4, October 30, 2024

Date: December 18, 2024

EPC-DO-24-346
LA-UR-24-32866

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.

JEANNETTE HYATT (Affiliate) Digitally signed by JEANNETTE HYATT (Affiliate) Date: 2024.12.16 15:01:25 -07'00'

JEANNETTE HYATT (Affiliate) Digitally signed by JEANNETTE HYATT (Affiliate) Date: 2024.12.16 15:02:34 -07'00'

Jeannette T. Hyatt
Senior Director
Environment and Waste Programs
Triad National Security, LLC
Los Alamos National Laboratory

Date Signed

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Technical Area 63 Transuranic Waste Facility
Soil Vapor Monitoring System Report, Calendar Year 2024, Quarter 4, October 30, 2024

I Introduction

This report provides the calendar year (CY) 2024, Quarter 4, October (CY2024, Quarter 4) 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 4 confirm that volatile organic compound (VOC) concentrations in the soil gas at the site are stable. The VOC concentrations are well below the screening levels established by the Permit. The primary constituent of concern at the site is trichloroethylene (TCE).

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

II Background

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

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

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 4 sampling event occurred on October 30, 2024. Soil vapor gases were extracted from the monitoring well sample ports through stainless steel tubing into stainless steel SUMMA canisters and submitted for laboratory analysis of VOCs using the 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 4*, presents a summary of the laboratory analytical results for detected VOCs. The table provides results for both non-qualified and estimated (J-qualified) detections. Each well port depth and constituent of concern have an associated SGSL, presented in Table 1, for comparison with the analytical results. Relative constituent concentrations are presented using a calculation of the analytical results as a percentage of the SGSLs.

LANL's Sample Management Office processes laboratory analytical data for quality assurance/quality control; these data are presented as an Excel file included on the disc submitted with this report. Results are also presented in Table 2, *Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2024 Quarter 4*. These data include all detect and non-detect analytical results.

NMED-HWB correspondence, dated May 23, 2018 (NMED 2018), requires reporting of current and previous sampling results. Table 3, *Current and Previous Analytical Results for Eight Quarters*, presents the current and previous quarterly soil gas laboratory analytical results for comparison and tracking.

A statistical analysis is presented through trendline figures (Figures 2 and 3) and Table 4, *Statistical Analyses of TCE Results*. 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 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 2000 micrograms per cubic meter ($\mu g/m^3$) (1.3% of the SGSL) and 5000 $\mu g/m^3$ (5.4% of the SGSL) at the 25-ft and 60-ft port depths, respectively. The TCE concentrations measured in VMW-5 are 320 $\mu g/m^3$ (0.2% of the SGSL) and 1100 $\mu g/m^3$ (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%, 0.5%, 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 83 $\mu g/m^3$ (0.4% of the SGSL) and 170 $\mu g/m^3$ (0.4% of the SGSL) in the 25-ft and 60-ft sampling ports, respectively. The concentrations of chloroform in vapor monitoring well VMW-5 are 59 $\mu g/m^3$ (0.3% of the SGSL) and 28 $\mu g/m^3$ (J-qualified or estimated) (<0.1% of the SGSL) in the 25-ft and 60-ft sampling ports, respectively. In 2023, VMW-2, 5-ft sampling port indicated the presence of chloroform, and since then detects have been inconsistent with a (J-flagged) detect of 5.4 $\mu g/m^3$ this quarter.

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.

Low levels of hydrocarbon constituents such as xylenes, toluene, ethylbenzene, heptane, and hexane are occasionally detected in the vapor monitoring wells. The results are well below the SGSLs and are mostly estimated. 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. The analytical results for CY2024, Quarter 4 indicate the presence of xylenes at 7.4 $\mu g/m^3$ (J) in VMW-1.

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 (methylethylketone), but do not list the other constituents. In CY2021, Quarter 3 the field duplicate again demonstrated a detection of ethanol, which is not a constituent of concern. CY2023, Quarter 4 results for the field duplicate indicated the presence of carbon disulfide and benzene. Both constituents are included in the Permit Tables. There were no field duplicate anomalies to report for the CY2024, Quarter 4 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 SGSLs for comparison. The constituents have been detected in the 5-ft ports of VMW-1 and VMW-3, and in the 60-ft ports of VMW-4 and VMW-5. In previous sampling events, propanol[-2] has additionally been detected in the 25-ft port of VMW-4. In CY2024, Quarter 2, ethanol was additionally detected in VMW-2. Ethanol and propanol[2-] were not detected this quarter in any of the monitoring wells. The presence of ethanol and propanol[2-] will continue to be monitored as part of routine sampling.

Monitoring wells VMW-4 and VMW-5 have detected bromodichloromethane in previous sampling events. Bromodichloromethane is not included as a constituent of concern in the Permit Tables, so the results cannot be compared to a SGSL; however, the results have been well below the report detection limit and estimated (J-flagged). The analytical results for CY 2024, Quarter 4 indicate the presence of bromodichloromethane in VMW-5, in the 25-ft sampling port at a concentration of 11 $\mu g/m^3$ (J).

A faulty nitrogen tank resulted in field blank sample issues starting in CY2019, Quarter 1 through CY2021, Quarter 1 (LANL 2019a through LANL 2021b). Analytical results 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 of TCE Results*, presents the mean and standard deviation for the TCE concentrations over time to determine whether the concentrations of TCE can be described statistically within a defined range.

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-2, VMW-4 (60 ft), and VMW-5 (25 ft and 60ft) 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. The complete data set for each well and port demonstrates a downward trendline based on data from 2017 to the present. The concentrations detected are also significantly below the permitted SGSLs 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.

LANL 2018a. "Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 2, Los Alamos National Laboratory EPA ID# NM0890010515," (EPC-DO:18-139) of March 30, 2018. Los Alamos National Laboratory, Los Alamos, New Mexico.

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

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

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

LANL 2024a. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2024, Quarter 1, January,” (EPC-DO-24-076) of March 28, 2024. Los Alamos National Laboratory, New Mexico.

LANL 2024b. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2024, Quarter 2, April,” (EPC-DO-24-150) of June 13, 2024. Los Alamos National Laboratory, New Mexico.

LANL 2024c. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report Calendar Year 2024, Quarter 3, July,” (EPC-DO-24-252) of September 25, 2024. Los Alamos National Laboratory, New Mexico.

NMED 2010. *Los Alamos National Laboratory Hazardous Waste Facility Permit*, issued by New Mexico Environment Department, Hazardous Waste Bureau, November 30, 2010, and subsequent revisions.

NMED 2016. Letter: “Approval with Modifications Transuranic Waste Facility Soil Vapor Monitoring System Report, Los Alamos National Laboratory EPA ID# NM0890010515, HWB-LANL-15-058,” dated February 29, 2016. New Mexico Environment Department, Hazardous Waste Bureau, Santa Fe, New Mexico.

NMED 2018. Letter: “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 2, Los Alamos National Laboratory EPA ID# NM0890010515, HWB-LANL-18-016,” dated May 23, 2018. New Mexico Environment Department, Hazardous Waste Bureau, Santa Fe, New Mexico.

NMED 2021. Letter: “Review Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 13, Los Alamos National Laboratory EPA ID# NM0890010515, HWB-LANL-18-016,” dated March 26, 2021. New Mexico Environment Department, Hazardous Waste Bureau, Santa Fe, New Mexico.

NMED 2022. Letter: “Review Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, May 2022 (Quarter 19), Los Alamos National Laboratory EPA ID# NM0890010515, HWB-LANL-22-041,” dated August 29, 2022. New Mexico Environment Department, Hazardous Waste Bureau, Santa Fe, New Mexico.

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FIGURES AND TABLES

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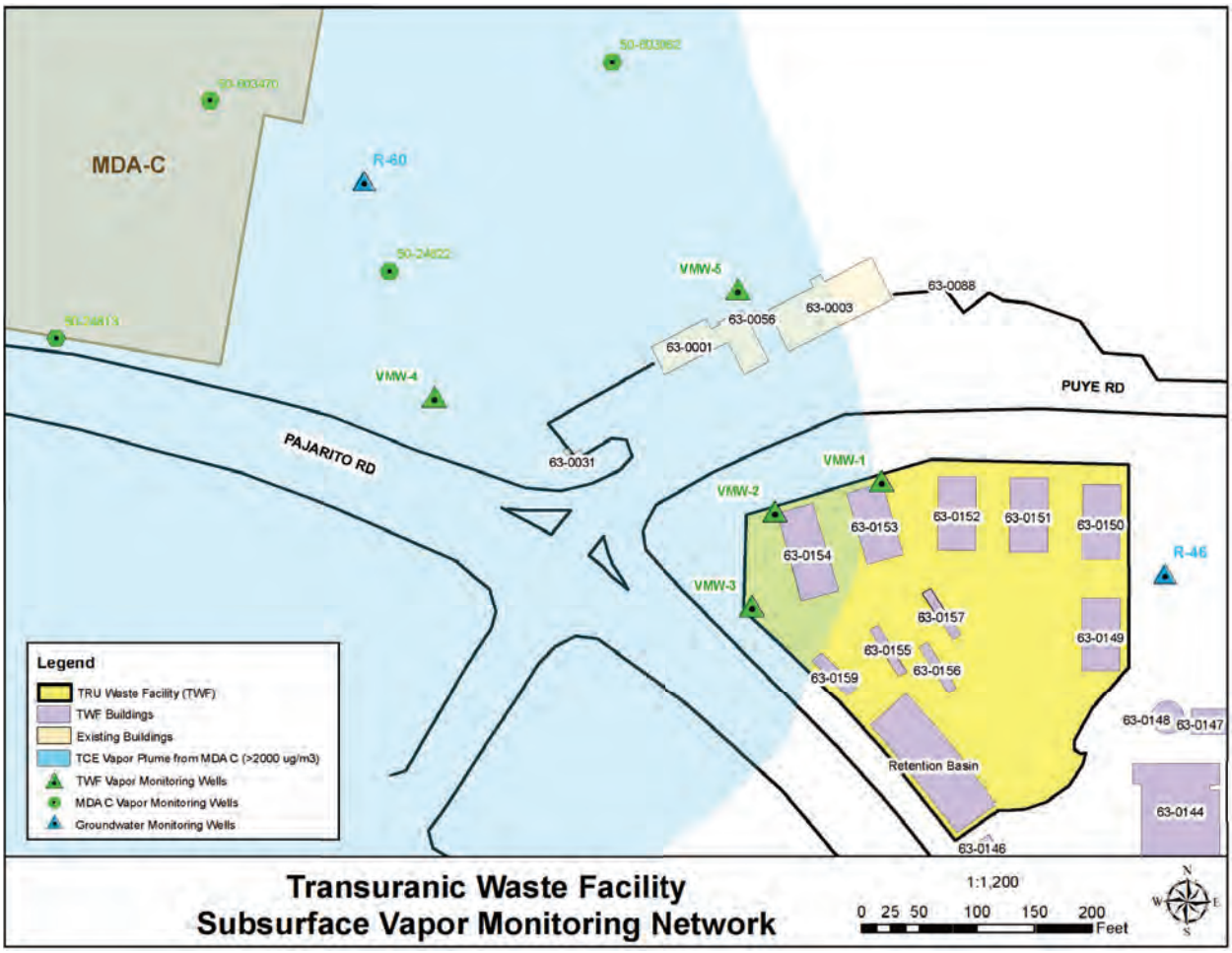


Figure 1. Soil vapor monitoring well locations at TA-63 TWF.

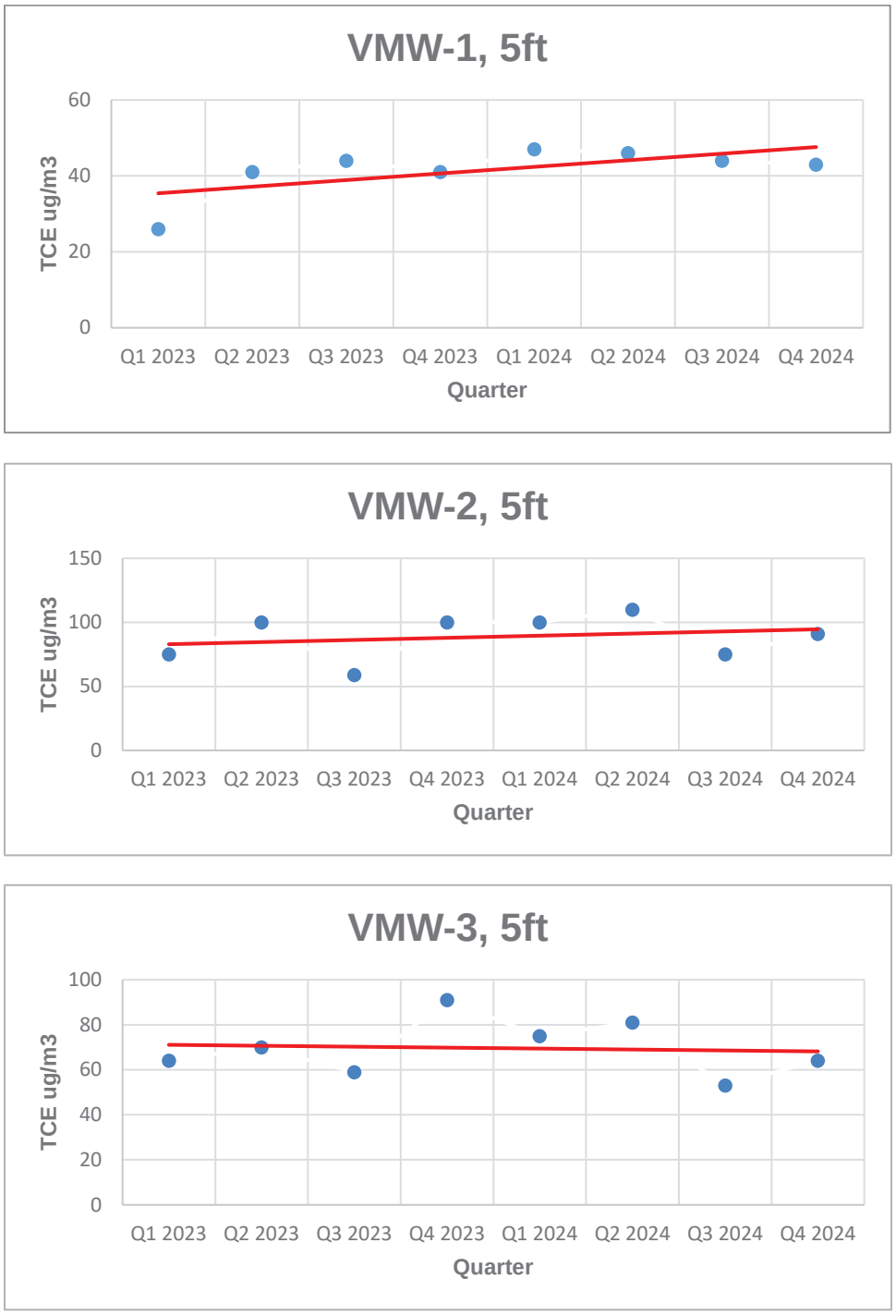
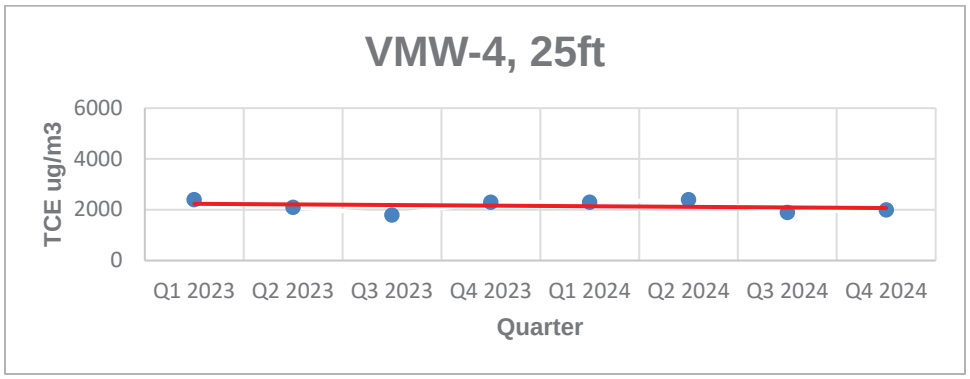
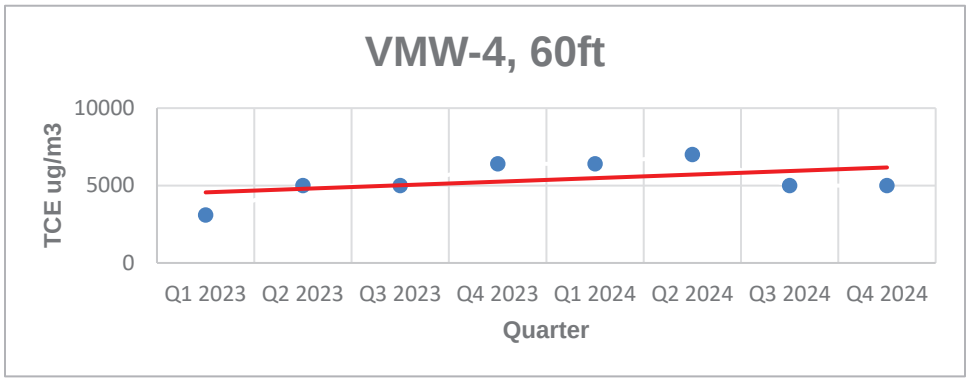
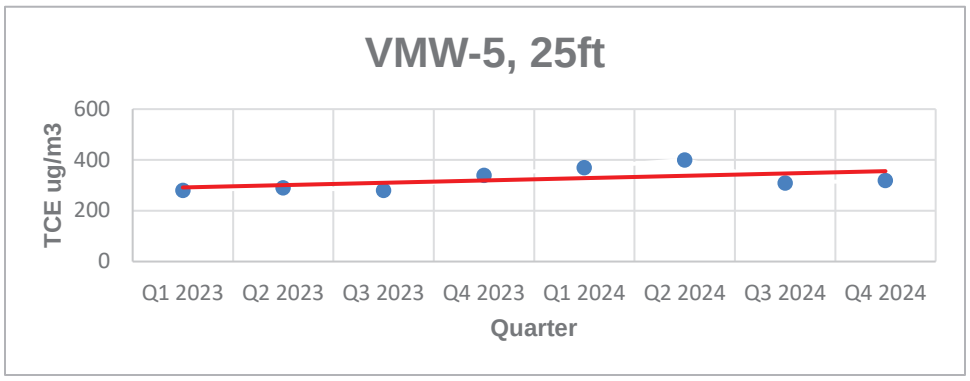


Figure 2. Data plots for TA-63 TWF soil vapor monitoring wells inside the permitted unit.







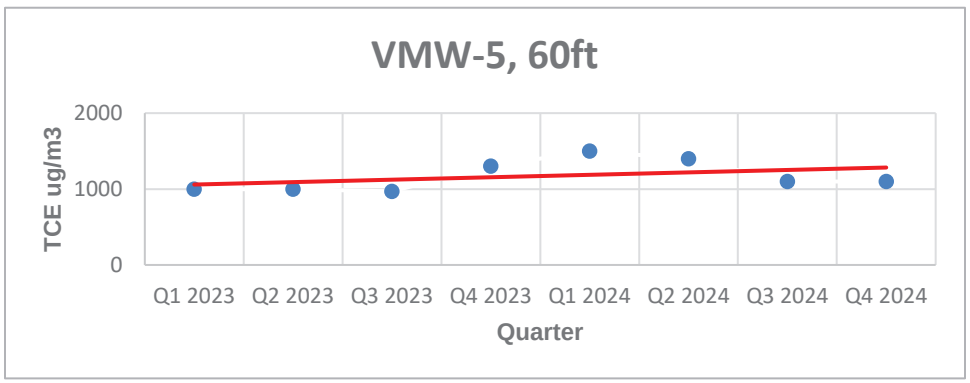


Figure 3. Data plots for TA-63 TWF soil vapor monitoring wells outside the permitted unit.

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Table 1: Detected Volatile Organic Compounds at TA-63 Transuranic Waste Facility – CY2024 Quarter 4

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)	TWF63-24-341018	5	REG	Trichloroethene	Trichloroethylene	43	NQ	41	1.94E+04	0.2
	TWF63-24-341018	5	REG	Xylene[1,3-]+Xylene[1,4-]	Xylene[m]	7.4	J	33	1.01E+06	<0.1
	TWF63-24-341018	5	REG	Xylene[1,3-]+Xylene[1,4-]	Xylene[p]	7.4	J	33	9.77E+05	<0.1
	TWF63-24-341018	5	REG	Toluene	Toluene	6	J	29	4.70E+07	<0.1
VMW-2 (63-2010)	TWF63-24-341017	5	REG	Trichloroethene	Trichloroethylene	91	NQ	40	1.94E+04	0.5
	TWF63-24-341017	5	REG	Chloroform	Chloroform	5.4	J	36	1.08E+04	<0.1
	TWF63-24-341017	5	REG	Dichlorodifluoromethane	Dichlorodifluoromethane	7.9	J	37	1.03E+06	<0.1
VMW-3 (63-2011)	TWF63-24-341016	5	REG	Trichloroethene	Trichloroethylene	64	NQ	39	1.94E+04	0.3
VMW-4 (63-2012)	TWF63-24-341015	25	REG	Dichlorodifluoromethane	Dichlorodiflouromethane	54	NQ	38	2.61E+06	<0.1
	TWF63-24-341015	25	REG	Carbon Tetrachloride	Carbon Tetrachloride	34	J	48	1.06E+05	<0.1
	TWF63-24-341015	25	REG	Chloroform	Chloroform	83	NQ	37	2.30E+04	0.4
	TWF63-24-341015	25	REG	Tetrachloroethene	Tetrachloroethylene	29	J	52	2.63E+06	<0.1
	TWF63-24-341015	25	REG	Trichloroethene	Trichloroethylene	2000	NQ	41	1.57E+05	1.3
	TWF63-24-341015	25	REG	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	15	J	58	6.86E+08	<0.1
VMW-4 (63-2012)	TWF63-24-341014	60	REG	Carbon Tetrachloride	Carbon Tetrachloride	88	NQ	45	2.13E+05	<0.1
	TWF63-24-341014	60	REG	Dichlorodifluoromethane	Dichlorodiflouromethane	110	NQ	36	5.38E+06	<0.1
	TWF63-24-341014	60	REG	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	39	J	55	1.38E+09	<0.1
	TWF63-24-341014	60	REG	Tetrachloroethene	Tetrachloroethylene	61	NQ	49	2.05E+06	<0.1
	TWF63-24-341014	60	REG	Dichloroethene[cis-1,2-]	cis-1,2-Dichloroethylene	17	J	29	2.91E+06	<0.1
	TWF63-24-341014	60	REG	Trichlorofluoromethane	Trichlorofluoromethane	5.4	J	40	3.01E+07	<0.1
	TWF63-24-341014	60	REG	Chloroform	Chloroform	170	NQ	35	4.44E+04	0.4
	TWF63-24-341014	60	REG	Trichloroethene	Trichloroethylene	5000	NQ	39	9.27E+04	5.4
VMW-5 (63-2013)	TWF63-24-341013	25	REG	Dichlorodifluoromethane	Dichlorodiflouromethane	30	J	39	2.61E+06	<0.1
	TWF63-24-341013	25	REG	Trichloroethene	Trichloroethylene	320	NQ	42	1.57E+05	0.2
	TWF63-24-341013	25	REG	Chloroform	Chloroform	59	NQ	38	2.30E+04	0.3
	TWF63-24-341013	25	REG	Bromodichloromethane	N/A	11	J	52	N/A	N/A
	TWF63-24-341013	25	REG	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	13	J	43	1.16E+08	<0.1
	TWF63-24-341012	60	REG	Dichlorodifluoromethane	Dichlorodiflouromethane	59	NQ	38	5.38E+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
VMW-5 (63-2013)	TWF63-24-341012	60	REG	Carbon Tetrachloride	Carbon Tetrachloride	18	J	48	2.13E+05	<0.1
	TWF63-24-341012	60	REG	Chloroform	Chloroform	28	J	37	4.44E+04	<0.1
	TWF63-24-341012	60	REG	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	28	J	41	2.34E+08	<0.1
	TWF63-24-341012	60	REG	Tetrachloroethene	Tetrachloroethylene	8.8	J	52	2.05E+06	<0.1
	TWF63-24-341012	60	REG	Trichloroethene	Trichloroethylene	1100	NQ	41	9.27E+04	1.2
	TWF63-24-341012	60	REG	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	14	J	58	1.38E+09	<0.1
Field Duplicate	TWF63-24-341011	60	FD	Carbon Tetrachloride	Carbon Tetrachloride	16	J	47	2.13E+05	<0.1
	TWF63-24-341011	60	FD	Dichlorodifluoromethane	Dichlorodiflouromethane	54	NQ	37	5.38E+06	<0.1
	TWF63-24-341011	60	FD	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	15	J	57	1.38E+09	<0.1
	TWF63-24-341011	60	FD	Chloroform	Chloroform	28	J	36	4.44E+04	<0.1
	TWF63-24-341011	60	FD	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	23	J	40	2.34E+08	<0.1
	TWF63-24-341011	60	FD	Tetrachloroethene	Tetrachloroethylene	8.1	J	50	2.05E+06	<0.1
	TWF63-24-341011	60	FD	Trichloroethene	Trichloroethylene	1100	NQ	40	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

Table 2: Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2024 Quarter 4

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**	**TWF63-24-341018**	**10/30/2024**	**11/01/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**Xylene[m+p]**	**Xylene[1,3-]+Xylene[1,4-]**	**7.4**	**J**	**4.3**	**33**	**Y**
63-2009	**5**	**TWF63-24-341018**	**10/30/2024**	**11/01/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**108-88-3**	**Toluene**	**6.0**	**J**	**3.8**	**29**	**Y**
63-2009	**5**	**TWF63-24-341018**	**10/30/2024**	**11/01/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**43**	**NQ**	**11**	**41**	**Y**
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	5.1	32	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	39	U	4.6	39	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	6.8	34	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	4.3	34	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	37	U	7.9	37	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	46	U	4.1	46	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	37	U	4.4	37	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	72	U	26	72	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	93	U	12	93	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	70	U	8.3	70	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	37	U	3.4	37	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	2.4	24	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	79	U	9.4	79	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	51	U	5.4	51	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	31	U	3.6	31	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	30	U	5.2	30	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	43	U	4.4	43	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	38	U	4.1	38	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	4.2	27	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	26	U	5.2	26	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	120	200	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	24	100	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	65	U	8.5	65	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	52	U	7.5	52	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	31	U	5.3	31	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	52	U	5.7	52	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	300	U	200	300	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	33	U	5.6	33	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	46	U	8.4	46	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	37	U	4.4	37	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	37	U	2.1	37	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	58	U	10.0	58	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	2.2	17	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	90	U	20	90	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	31	U	8.9	31	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	100	U	32	100	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	37	U	5.9	37	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	35	U	2.1	35	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	5.0	22	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	30	U	4.4	30	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	30	U	7.1	30	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	5.0	27	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	46	U	7.2	46	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	48	U	8.2	48	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	100	U	30	100	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	41	U	5.5	41	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	100	U	43	100	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	60	U	13	60	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	80	U	20	80	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	5.4	19	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	100	U	17	100	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	90	U	10	90	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	58	U	10.0	58	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	53	U	9.8	53	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	35	U	7.9	35	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	90	U	13	90	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	41	U	7.1	41	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	33	U	4.3	33	N
63-2009	5	TWF63-24-341018	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	5.1	U	3.7	35	N
63-2010	**5**	**TWF63-24-341017**	**10/30/2024**	**11/01/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**67-66-3**	**Chloroform**	**5.4**	**J**	**3.3**	**36**	**Y**
63-2010	**5**	**TWF63-24-341017**	**10/30/2024**	**11/01/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**7.9**	**J**	**4.0**	**37**	**Y**
63-2010	**5**	**TWF63-24-341017**	**10/30/2024**	**11/01/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**91**	**NQ**	**11**	**40**	**Y**
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	60	U	12	60	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	80	U	19	80	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	5.1	19	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	100	U	17	100	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	90	U	10.0	90	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	76	U	9.3	76	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	50	U	5.2	50	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	30	U	3.6	30	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	70	U	26	70	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	91	U	12	91	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	70	U	8.3	70	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	2.3	24	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	40	U	5.4	40	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	100	U	43	100	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	29	U	5.2	29	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	42	U	4.4	42	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	57	U	10.0	57	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	52	U	9.8	52	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	34	U	7.9	34	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	90	U	13	90	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	40	U	7.1	40	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	90	U	19	90	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	30	U	8.9	30	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	100	U	32	100	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	36	U	5.9	36	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	28	U	3.8	28	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	34	U	2.1	34	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	5.0	22	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	26	U	4.2	26	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	25	U	5.2	25	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	120	200	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	24	100	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	63	U	8.5	63	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	50	U	7.5	50	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	30	U	4.9	30	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	29	U	4.0	29	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	51	U	5.6	51	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	300	U	200	300	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	32	U	5.6	32	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	44	U	7.8	44	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	36	U	4.3	36	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	36	U	2.1	36	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	32	U	4.3	32	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	5.1	32	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	38	U	4.6	38	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	6.8	34	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	4.2	34	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	36	U	7.9	36	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	44	U	4.1	44	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	57	U	9.2	57	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	16	U	2.2	16	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	29	U	7.1	29	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	5.0	27	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	3.7	35	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	44	U	7.2	44	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	47	U	8.2	47	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	100	U	29	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/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	36	U	4.4	36	N
63-2010	5	TWF63-24-341017	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	32	U	4.2	32	N
63-2011	**5**	**TWF63-24-341016**	**10/30/2024**	**11/01/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**64**	**NQ**	**10**	**39**	**Y**
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	60	U	12	60	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	76	U	18	76	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	18	U	5.1	18	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	100	U	16	100	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	90	U	9.6	90	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	74	U	8.9	74	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	48	U	5.0	48	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	29	U	3.4	29	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	68	U	26	68	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	88	U	11	88	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	69	U	7.8	69	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	35	U	3.2	35	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	23	U	2.2	23	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	39	U	5.2	39	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	110	U	43	110	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	29	U	5.2	29	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	40	U	4.2	40	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	36	U	3.9	36	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	55	U	9.2	55	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	50	U	9.8	50	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	33	U	7.4	33	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	85	U	13	85	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	39	U	7.1	39	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	91	U	19	91	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	29	U	8.5	29	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	120	U	31	120	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	35	U	5.4	35	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	27	U	3.7	27	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	33	U	2.0	33	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	21	U	4.7	21	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	25	U	4.2	25	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	25	U	4.8	25	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	220	U	110	220	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	23	100	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	61	U	8.2	61	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	49	U	6.8	49	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	29	U	4.9	29	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	29	U	4.0	29	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	49	U	5.4	49	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	310	U	190	310	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	31	U	5.6	31	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	43	U	7.8	43	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	35	U	4.1	35	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	35	U	2.0	35	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	31	U	4.1	31	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	31	U	4.7	31	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	37	U	4.4	37	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	33	U	6.4	33	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	33	U	4.1	33	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	35	U	7.9	35	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	43	U	3.9	43	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	55	U	9.2	55	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	16	U	2.2	16	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	29	U	6.7	29	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	26	U	5.0	26	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	34	U	3.5	34	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	43	U	7.2	43	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	45	U	8.2	45	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	120	U	28	120	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	35	U	4.2	35	N
63-2011	5	TWF63-24-341016	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	31	U	4.0	31	N
63-2012	**25**	**TWF63-24-341015**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**54**	**NQ**	**4.1**	**38**	**Y**
63-2012	**25**	**TWF63-24-341015**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**76-13-1**	**Trichloro-1,2,2-trifluoroethane[1,1,2-]**	**15**	**J**	**10.0**	**58**	**Y**
63-2012	**25**	**TWF63-24-341015**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**56-23-5**	**Carbon Tetrachloride**	**34**	**J**	**8.2**	**48**	**Y**
63-2012	**25**	**TWF63-24-341015**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**127-18-4**	**Tetrachloroethene**	**29**	**J**	**7.5**	**52**	**Y**
63-2012	**25**	**TWF63-24-341015**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**2000**	**NQ**	**11**	**41**	**Y**
63-2012	**25**	**TWF63-24-341015**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**67-66-3**	**Chloroform**	**83**	**NQ**	**3.4**	**37**	**Y**
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	33	U	4.3	33	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	5.1	32	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	39	U	4.7	39	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	60	U	13	60	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	80	U	20	80	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	5.4	19	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	100	U	17	100	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	90	U	10	90	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	79	U	9.5	79	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	51	U	5.4	51	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	31	U	3.6	31	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	90	U	20	90	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	31	U	8.9	31	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	100	U	33	100	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	37	U	5.9	37	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	3.8	29	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	35	U	2.1	35	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	5.0	22	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	4.2	27	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	26	U	5.2	26	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	120	200	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	30	U	5.2	30	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	43	U	4.5	43	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	53	U	9.8	53	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	35	U	7.9	35	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	90	U	14	90	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	41	U	7.1	41	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	100	U	43	100	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	30	U	7.1	30	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	5.4	27	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	3.8	35	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	46	U	7.2	46	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	100	U	30	100	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	37	U	4.5	37	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	24	100	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	65	U	8.5	65	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	31	U	5.3	31	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	30	U	4.4	30	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	52	U	5.8	52	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	300	U	200	300	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	33	U	6.1	33	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	46	U	8.4	46	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	37	U	4.4	37	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	37	U	2.1	37	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	33	U	4.3	33	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	72	U	28	72	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	93	U	12	93	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	70	U	8.5	70	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	2.4	24	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	41	U	5.5	41	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	7.3	34	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	4.3	34	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	37	U	7.9	37	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	46	U	4.1	46	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	58	U	10.0	58	N
63-2012	25	TWF63-24-341015	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	2.4	17	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	31	U	4.1	31	N
63-2012	**60**	**TWF63-24-341014**	**10/30/2024**	**11/01/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**67-66-3**	**Chloroform**	**170**	**NQ**	**3.2**	**35**	**Y**
63-2012	**60**	**TWF63-24-341014**	**10/30/2024**	**11/01/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-69-4**	**Trichlorofluoromethane**	**5.4**	**J**	**4.3**	**40**	**Y**
63-2012	**60**	**TWF63-24-341014**	**10/30/2024**	**11/01/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**110**	**NQ**	**3.9**	**36**	**Y**
63-2012	**60**	**TWF63-24-341014**	**10/30/2024**	**11/01/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**76-13-1**	**Trichloro-1,2,2-trifluoroethane[1,1,2-]**	**39**	**J**	**10.0**	**55**	**Y**
63-2012	**60**	**TWF63-24-341014**	**10/30/2024**	**11/01/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**127-18-4**	**Tetrachloroethene**	**61**	**NQ**	**6.8**	**49**	**Y**
63-2012	**60**	**TWF63-24-341014**	**10/30/2024**	**11/01/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**156-59-2**	**Dichloroethene[cis-1,2-]**	**17**	**J**	**4.0**	**29**	**Y**
63-2012	**60**	**TWF63-24-341014**	**10/30/2024**	**11/01/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**5000**	**NQ**	**10**	**39**	**Y**
63-2012	**60**	**TWF63-24-341014**	**10/30/2024**	**11/01/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**56-23-5**	**Carbon Tetrachloride**	**88**	**NQ**	**8.2**	**45**	**Y**
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	60	U	12	60	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	76	U	19	76	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	18	U	5.1	18	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	100	U	16	100	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	90	U	9.6	90	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	74	U	9.1	74	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	48	U	5.1	48	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	29	U	3.5	29	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	68	U	26	68	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	88	U	11	88	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	69	U	8.1	69	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	23	U	2.3	23	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	39	U	5.2	39	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	110	U	43	110	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	29	U	5.2	29	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	50	U	9.8	50	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	33	U	7.4	33	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	85	U	13	85	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	39	U	7.1	39	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	91	U	19	91	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	29	U	8.5	29	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	120	U	31	120	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	35	U	5.9	35	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	27	U	3.7	27	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	33	U	2.0	33	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	21	U	4.7	21	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	25	U	4.2	25	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	25	U	5.2	25	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	220	U	120	220	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	23	100	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	61	U	8.3	61	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	29	U	4.9	29	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	49	U	5.5	49	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	310	U	200	310	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	31	U	5.6	31	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	43	U	7.8	43	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	31	U	5.1	31	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	37	U	4.4	37	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	33	U	6.8	33	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	33	U	4.1	33	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	35	U	7.9	35	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	43	U	4.0	43	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	55	U	9.2	55	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	16	U	2.2	16	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	29	U	6.7	29	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	26	U	5.0	26	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	34	U	3.6	34	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	43	U	7.2	43	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	120	U	29	120	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	35	U	4.3	35	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	35	U	4.2	35	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	35	U	2.0	35	N
63-2012	60	TWF63-24-341014	10/30/2024	11/01/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	31	U	4.2	31	N
63-2013	**25**	**TWF63-24-341013**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-27-4**	**Bromodichloromethane**	**11**	**J**	**5.5**	**52**	**Y**
63-2013	**25**	**TWF63-24-341013**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**30**	**J**	**4.2**	**39**	**Y**
63-2013	**25**	**TWF63-24-341013**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**320**	**NQ**	**11**	**42**	**Y**
63-2013	**25**	**TWF63-24-341013**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**67-66-3**	**Chloroform**	**59**	**NQ**	**3.5**	**38**	**Y**
63-2013	**25**	**TWF63-24-341013**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**71-55-6**	**Trichloroethane[1,1,1-]**	**13**	**J**	**5.5**	**43**	**Y**
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	34	U	4.3	34	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	33	U	5.1	33	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	40	U	4.8	40	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	64	U	13	64	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	82	U	20	82	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	5.4	20	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	17	110	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	96	U	10	96	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	81	U	9.7	81	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	3.7	32	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	97	U	20	97	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	9.3	32	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	33	130	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	38	U	5.9	38	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	3.8	29	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	36	U	2.1	36	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	23	U	5.3	23	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	4.6	27	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	27	U	5.5	27	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	230	U	130	230	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	31	U	5.5	31	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	44	U	4.5	44	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	60	U	11	60	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	54	U	10	54	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	36	U	8.3	36	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	91	U	14	91	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	7.6	43	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	47	120	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	7.1	31	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	28	U	5.4	28	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	36	U	3.8	36	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	7.2	47	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	49	U	8.8	49	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	31	130	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	38	U	4.6	38	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	110	U	25	110	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	66	U	8.5	66	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	53	U	7.5	53	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	32	U	5.3	32	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	4.4	31	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	5.8	54	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	330	U	200	330	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	34	U	6.1	34	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	8.4	47	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	38	U	4.5	38	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	38	U	2.2	38	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	4.3	34	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	73	U	28	73	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	96	U	12	96	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	74	U	8.5	74	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	25	U	2.4	25	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	35	U	7.3	35	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	35	U	4.4	35	N

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63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	38	U	8.4	38	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	4.3	47	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	60	U	10.0	60	N
63-2013	25	TWF63-24-341013	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	2.4	17	N
63-2013	**60**	**TWF63-24-341012**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**59**	**NQ**	**4.1**	**38**	**Y**
63-2013	**60**	**TWF63-24-341012**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**76-13-1**	**Trichloro-1,2,2-trifluoroethane[1,1,2-]**	**14**	**J**	**10.0**	**58**	**Y**
63-2013	**60**	**TWF63-24-341012**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**56-23-5**	**Carbon Tetrachloride**	**18**	**J**	**8.2**	**48**	**Y**
63-2013	**60**	**TWF63-24-341012**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**127-18-4**	**Tetrachloroethene**	**8.8**	**J**	**7.5**	**52**	**Y**
63-2013	**60**	**TWF63-24-341012**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**1100**	**NQ**	**11**	**41**	**Y**
63-2013	**60**	**TWF63-24-341012**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**67-66-3**	**Chloroform**	**28**	**J**	**3.4**	**37**	**Y**
63-2013	**60**	**TWF63-24-341012**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**71-55-6**	**Trichloroethane[1,1,1-]**	**28**	**J**	**5.5**	**41**	**Y**
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	33	U	4.3	33	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	5.1	32	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	39	U	4.6	39	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	60	U	13	60	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	80	U	20	80	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	5.4	19	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	100	U	17	100	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	90	U	10	90	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	79	U	9.4	79	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	51	U	5.4	51	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	31	U	3.6	31	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	90	U	20	90	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	31	U	8.9	31	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	100	U	32	100	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	37	U	5.9	37	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	3.8	29	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	35	U	2.1	35	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	5.0	22	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	4.2	27	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	26	U	5.2	26	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	120	200	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	30	U	5.2	30	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	43	U	4.4	43	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	53	U	9.8	53	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	35	U	7.9	35	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	90	U	13	90	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	41	U	7.1	41	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	100	U	43	100	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	30	U	7.1	30	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	5.0	27	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	3.7	35	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	46	U	7.2	46	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	100	U	30	100	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	37	U	4.4	37	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	24	100	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	65	U	8.5	65	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	31	U	5.3	31	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	30	U	4.4	30	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	52	U	5.7	52	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	300	U	200	300	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	33	U	5.6	33	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	46	U	8.4	46	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	72	U	26	72	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	93	U	12	93	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	70	U	8.3	70	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	2.4	24	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	6.8	34	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	4.3	34	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	37	U	7.9	37	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	46	U	4.1	46	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	58	U	10.0	58	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	2.2	17	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	37	U	4.4	37	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	37	U	2.1	37	N
63-2013	60	TWF63-24-341012	10/30/2024	11/04/2024	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	33	U	4.3	33	N
63-2013	**60**	**TWF63-24-341011**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**127-18-4**	**Tetrachloroethene**	**8.1**	**J**	**7.5**	**50**	**Y**
63-2013	**60**	**TWF63-24-341011**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**79-01-6**	**Trichloroethene**	**1100**	**NQ**	**11**	**40**	**Y**
63-2013	**60**	**TWF63-24-341011**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**56-23-5**	**Carbon Tetrachloride**	**16**	**J**	**8.2**	**47**	**Y**
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	110-82-7	Cyclohexane	25	U	5.2	25	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	120	200	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	123-91-1	Dioxane[1,4-]	100	U	24	100	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	124-48-1	Chlorodibromomethane	63	U	8.4	63	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	142-82-5	n-Heptane	30	U	4.9	30	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	156-59-2	Dichloroethene[cis-1,2-]	29	U	4.0	29	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	51	U	5.6	51	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	87-68-3	Hexachlorobutadiene	300	U	200	300	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	95-47-6	Xylene[1,2-]	32	U	5.6	32	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	95-50-1	Dichlorobenzene[1,2-]	44	U	7.8	44	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	100-42-5	Styrene	32	U	5.1	32	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	100-44-7	Benzyl Chloride	38	U	4.6	38	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	6.8	34	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	4.2	34	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	103-65-1	Propylbenzene[1-]	36	U	7.9	36	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	106-46-7	Dichlorobenzene[1,4-]	44	U	4.1	44	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	106-93-4	Dibromoethane[1,2-]	57	U	9.2	57	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	106-99-0	Butadiene[1,3-]	16	U	2.2	16	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	156-60-5	Dichloroethene[trans-1,2-]	29	U	7.1	29	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	5.0	27	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	540-84-1	Isooctane	35	U	3.6	35	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	541-73-1	Dichlorobenzene[1,3-]	44	U	7.2	44	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	591-78-6	Hexanone[2-]	100	U	29	100	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	622-96-8	Ethyltoluene[4-]	36	U	4.4	36	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	95-63-6	Trimethylbenzene[1,2,4-]	36	U	4.3	36	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	98-82-8	Isopropylbenzene	36	U	2.1	36	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	32	U	4.3	32	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	100-41-4	Ethylbenzene	32	U	4.2	32	N
63-2013	**60**	**TWF63-24-341011**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**67-66-3**	**Chloroform**	**28**	**J**	**3.3**	**36**	**Y**
63-2013	**60**	**TWF63-24-341011**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**71-55-6**	**Trichloroethane[1,1,1-]**	**23**	**J**	**5.3**	**40**	**Y**
63-2013	**60**	**TWF63-24-341011**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**54**	**NQ**	**4.0**	**37**	**Y**
63-2013	**60**	**TWF63-24-341011**	**10/30/2024**	**11/04/2024**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**76-13-1**	**Trichloro-1,2,2-trifluoroethane[1,1,2-]**	**15**	**J**	**10.0**	**57**	**Y**
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	74-87-3	Chloromethane	60	U	12	60	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	75-00-3	Chloroethane	80	U	19	80	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	75-01-4	Vinyl Chloride	19	U	5.1	19	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	75-09-2	Methylene Chloride	100	U	16	100	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	75-15-0	Carbon Disulfide	90	U	10.0	90	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	75-25-2	Bromoform	76	U	9.2	76	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	75-27-4	Bromodichloromethane	50	U	5.2	50	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	75-34-3	Dichloroethane[1,1-]	30	U	3.5	30	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	64-17-5	Ethanol	70	U	26	70	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	67-63-0	Propanol[2-]	91	U	12	91	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	67-64-1	Acetone	70	U	8.3	70	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	71-43-2	Benzene	24	U	2.3	24	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	74-83-9	Bromomethane	100	U	43	100	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	75-35-4	Dichloroethene[1,1-]	29	U	5.2	29	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	75-69-4	Trichlorofluoromethane	42	U	4.4	42	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	52	U	9.8	52	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	78-87-5	Dichloropropane[1,2-]	34	U	7.9	34	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	78-93-3	Butanone[2-]	90	U	13	90	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	79-00-5	Trichloroethane[1,1,2-]	40	U	7.1	40	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	107-05-1	Chloro-1-propene[3-]	90	U	19	90	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	107-06-2	Dichloroethane[1,2-]	30	U	8.9	30	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	108-10-1	Methyl-2-pentanone[4-]	100	U	32	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/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	108-67-8	Trimethylbenzene[1,3,5-]	36	U	5.9	36	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	108-88-3	Toluene	28	U	3.8	28	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	108-90-7	Chlorobenzene	34	U	2.0	34	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	109-99-9	Tetrahydrofuran	22	U	5.0	22	N
63-2013	60	TWF63-24-341011	10/30/2024	11/04/2024	VOC	EPA:TO15	FD	GAS	110-54-3	Hexane	26	U	4.2	26	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	74-87-3	Chloromethane	56	U	11	56	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	75-00-3	Chloroethane	71	U	18	71	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	75-01-4	Vinyl Chloride	17	U	4.9	17	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	75-09-2	Methylene Chloride	94	U	15	94	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	75-15-0	Carbon Disulfide	84	U	9.3	84	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	75-25-2	Bromoform	70	U	8.6	70	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	75-27-4	Bromodichloromethane	46	U	4.8	46	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	75-34-3	Dichloroethane[1,1-]	28	U	3.3	28	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	64-17-5	Ethanol	64	U	24	64	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	67-63-0	Propanol[2-]	84	U	11	84	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	67-64-1	Acetone	64	U	7.6	64	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	67-66-3	Chloroform	33	U	3.0	33	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	71-43-2	Benzene	22	U	2.1	22	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	71-55-6	Trichloroethane[1,1,1-]	37	U	5.0	37	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	74-83-9	Bromomethane	100	U	40	100	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	75-35-4	Dichloroethene[1,1-]	27	U	4.8	27	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	75-69-4	Trichlorofluoromethane	38	U	4.0	38	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	75-71-8	Dichlorodifluoromethane	34	U	3.7	34	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	52	U	9.2	52	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	48	U	9.1	48	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	78-87-5	Dichloropropane[1,2-]	31	U	7.4	31	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	78-93-3	Butanone[2-]	80	U	12	80	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	79-00-5	Trichloroethane[1,1,2-]	37	U	6.5	37	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	107-05-1	Chloro-1-propene[3-]	84	U	18	84	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	107-06-2	Dichloroethane[1,2-]	28	U	8.1	28	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	108-10-1	Methyl-2-pentanone[4-]	110	U	29	110	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	108-67-8	Trimethylbenzene[1,3,5-]	33	U	5.4	33	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	108-88-3	Toluene	26	U	3.5	26	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	108-90-7	Chlorobenzene	31	U	1.9	31	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	109-99-9	Tetrahydrofuran	20	U	4.7	20	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	110-54-3	Hexane	24	U	3.9	24	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	110-82-7	Cyclohexane	23	U	4.8	23	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	110	200	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	123-91-1	Dioxane[1,4-]	97	U	22	97	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	124-48-1	Chlorodibromomethane	58	U	7.8	58	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	127-18-4	Tetrachloroethene	46	U	6.8	46	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	142-82-5	n-Heptane	28	U	4.9	28	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	79-01-6	Trichloroethene	37	U	9.7	37	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	47	U	5.1	47	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	87-68-3	Hexachlorobutadiene	290	U	190	290	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	95-47-6	Xylene[1,2-]	30	U	5.2	30	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	95-50-1	Dichlorobenzene[1,2-]	41	U	7.2	41	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	95-63-6	Trimethylbenzene[1,2,4-]	33	U	4.0	33	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	98-82-8	Isopropylbenzene	33	U	1.9	33	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	30	U	3.9	30	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	10061-01-5	Dichloropropene[cis-1,3-]	31	U	6.4	31	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	10061-02-6	Dichloropropene[trans-1,3-]	31	U	3.9	31	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	103-65-1	Propylbenzene[1-]	33	U	7.4	33	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	106-46-7	Dichlorobenzene[1,4-]	41	U	3.8	41	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	106-93-4	Dibromoethane[1,2-]	52	U	9.2	52	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	106-99-0	Butadiene[1,3-]	15	U	2.1	15	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	156-59-2	Dichloroethene[cis-1,2-]	27	U	3.8	27	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	156-60-5	Dichloroethene[trans-1,2-]	27	U	6.3	27	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	1634-04-4	Methyl tert-Butyl Ether	25	U	4.7	25	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	540-84-1	Isooctane	32	U	3.4	32	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	541-73-1	Dichlorobenzene[1,3-]	41	U	6.6	41	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	56-23-5	Carbon Tetrachloride	43	U	7.5	43	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	591-78-6	Hexanone[2-]	110	U	27	110	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	622-96-8	Ethyltoluene[4-]	33	U	4.0	33	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	100-41-4	Ethylbenzene	30	U	3.8	30	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	100-42-5	Styrene	29	U	4.7	29	N
UNK		TWF63-24-341010	10/30/2024	11/04/2024	VOC	EPA:TO15	FB	GAS	100-44-7	Benzyl Chloride	35	U	4.2	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)	Q1 2023		Q2 2023		Q3 2023		Q4 2023		Q1 2024		Q2 2024		Q3 2024		Q4 2024	
			3/1/2023		5/24/2023		8/24/2023		11/1/2023		1/31/2024		4/30/2024		7/31/2024		10/30/2024	
			Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)
VMW-1 (5) 63-2009	Trichloroethylene	1.94E+04	26	0.1	41	0.2	46	0.2	41	0.2	47	0.2	46	0.2	44	0.2	43	0.2
	Toluene	4.70E+07	-	-	-	-	-	-	-	-	2.4	<0.1	3.8	<0.1	-	-	6	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.4	<0.1
	p-Xylene	9.77E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.4	<0.1
VMW-2 (5) 63-2010	Trichloroethylene	1.94E+04	75	0.4	100	0.5	59	0.3	100	0.5	100	0.5	110	0.6	75	0.4	91	0.5
	Dichlorodifluoromethane	1.03E+06	-	-	-	-	-	-	-	-	5.9	<0.1	5.9	<0.1	-	-	7.9	<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	-	-	5.4	<0.1
VMW-3 (5) 63-2011	Trichloroethylene	1.94E+04	64	0.3	70	0.4	59	0.3	91	0.5	75	0.4	81	0.4	53	0.3	64	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	2400	1.5	2100	1.3	1800	1.1	2300	1.5	2300	1.5	2400	1.5	1900	1.2	2000	1.3
	Tetrachloroethylene	2.63E+06	31	<0.1	31	<0.1	32	<0.1	31	<0.1	30	<0.1	31	<0.1	24	<0.1	29	<0.1
	Carbon tetrachloride	1.06E+05	47	<0.1	38	<0.1	33	<0.1	35	<0.1	31	<0.1	36	<0.1	35	<0.1	34	<0.1
	Chloroform	2.30E+04	78	0.3	83	0.4	73	0.3	93	0.4	78	0.3	78	0.3	78	0.3	83	0.4
	Dichlorodifluoromethane	2.61E+06	69	<0.1	64	<0.1	50	<0.1	48	<0.1	44	<0.1	48	<0.1	45	<0.1	54	<0.1
	1,1,2-Trichloro-1,2,2-trifluoroethane	6.86E+08	19	<0.1	-	-	-	-	11.0	<0.1	10.0	<0.1	12	<0.1	-	-	15.0	<0.1
	1,1,1-Trichloroethane	1.16E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-4 (60) 63-2012	Trichloroethylene	9.27E+04	3100	3.3	5000	5.4	5000	5.4	6400	6.9	6400	6.9	7000	7.6	5000	5.4	5000	5.4
	Tetrachloroethylene	2.05E+06	37	<0.1	57	<0.1	81	<0.1	67	<0.1	60	<0.1	75	<0.1	70	<0.1	61	<0.1
	cis-1,2-Dichloroethylene	2.91E+06	-	-	15	<0.1	10	<0.1	19	<0.1	13	<0.1	13	<0.1	14	<0.1	17	<0.1
	Carbon tetrachloride	2.13E+05	45	<0.1	88	<0.1	88	<0.1	100	<0.1	75	<0.1	88	<0.1	82	<0.1	88	<0.1
	Chloroform	4.44E+04	88	0.2	170	0.4	100	0.2	200	0.5	160	0.4	170	0.4	160	0.4	170	0.4
	1,1,1-Trichloroethane	2.34E+08	-	-	11	<0.1	-	-	9.8	<0.1	9.3	<0.1	7.6	<0.1	8.7	<0.1	-	-
	Dichlorodifluoromethane	5.38E+06	69	<0.1	130	<0.1	120	<0.1	130	<0.1	100	<0.1	110	<0.1	110	<0.1	110	<0.1
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.38E+09	11	<0.1	22	<0.1	23	<0.1	27	<0.1	23	<0.1	28	<0.1	24	<0.1	39	<0.1
	Toluene	2.14E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Acetone	1.02E+09	-	-	-	-	-	-	200	<0.1	-	-	-	-	-	-	-	-
	Trichlorofluoromethane	3.01E+07	-	-	-	-	-	-	-	-	5.6	<0.1	7.6	<0.1	5.1	<0.1	5.4	<0.1

Well ID (Port(ft))	Constituent	Soil Gas Screening Level (ug/m3)	Q1 2023		Q2 2023		Q3 2023		Q4 2023		Q1 2024		Q2 2024		Q3 2024		Q4 2024	
			3/1/2023		5/24/2023		8/24/2023		11/1/2023		1/31/2024		4/30/2024		7/31/2024		10/30/2024	
			Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)
VMW-5 (25) 63-2013	Trichloroethylene	1.57E+05	280	0.2	290	0.2	280	0.2	340	0.2	370	0.2	400	0.3	310	0.2	320	0.2
	Chloroform	2.30E+04	45	0.2	50	0.2	50	0.2	63	0.3	47	0.2	59	0.3	54	0.2	59	0.3
	1,1,1-Trichloroethane	1.16E+08	14	<0.1	13	<0.1	13	<0.1	15	<0.1	14	<0.1	14	<0.1	12	<0.1	13	<0.1
	Dichlorodifluoromethane	2.61E+06	34	<0.1	31	<0.1	36	<0.1	34	<0.1	29	<0.1	31	<0.1	27	<0.1	30	<0.1
	Tetrachloroethylene	2.63E+06	8.8	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Acetone	5.44E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	1.06E+05	-	-	-	-	-	-	5.9	<0.1	4.0	<0.1	-	-	-	-	-	-
VMW-5 (60) 63-2013	Trichloroethylene	9.27E+04	1000	1.1	1000	1.1	970	1.0	1300	1.4	1500	1.6	1400	1.5	1100	1.2	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	8.8	<0.1
	Chloroform	4.44E+04	20	<0.1	22	<0.1	22	<0.1	29	<0.1	25	<0.1	25	<0.1	24	<0.1	28	<0.1
	1,1,1-Trichloroethane	2.34E+08	28	<0.1	25	<0.1	26	<0.1	32	<0.1	26	<0.1	25	<0.1	27	<0.1	28	<0.1
	Dichlorodifluoromethane	5.38E+06	50.0	<0.1	54	<0.1	48	<0.1	59	<0.1	49	<0.1	50	<0.1	50	<0.1	59	<0.1
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.38E+09	11	<0.1	-	-	-	-	13.0	<0.1	13.0	<0.1	13	<0.1	-	-	14	<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	18	<0.1
	Acetone	1.02E+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field Duplicates:																		
Well ID (Port(ft))	Constituent	Soil Gas Screening Level (ug/m3)	Q1 2023		Q2 2023		Q3 2023		Q4 2023		Q1 2024		Q2 2024		Q2 2024		Q2 2024	
			Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)	Result ($\mu g/m^3$)	Percent of SGSL (%)
VMW-5 (60) 63-2013(FD)	Trichloroethylene	9.27E+04	1000	1.1	970	1.0	1100	1.2	1700	1.8	1300	1.4	1400	1.5	1100	1.2	1100	1.2
	Carbon tetrachloride	2.13E+05	18	<0.1	13	<0.1	14	<0.1	24	<0.1	15	<0.1	16	<0.1	16	<0.1	16	<0.1
	1,1,1-Trichloroethane	2.34E+08	25	<0.1	26	<0.1	27	<0.1	40	<0.1	25	<0.1	26	<0.1	20	<0.1	23	<0.1
	Dichlorodifluoromethane	5.38E+06	64	<0.1	50	<0.1	59	<0.1	79	<0.1	46	<0.1	49	<0.1	50	<0.1	54	<0.1
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.38E+09	12	<0.1	9.2	<0.1	-	-	18	<0.1	12	<0.1	14	<0.1	13	<0.1	15	<0.1
	Chloroform	4.44E+04	22	<0.1	20	<0.1	24	0.1	39	<0.1	23	<0.1	25	<0.1	24	<0.1	28	<0.1
	Methylethylketone (2-butanone)	2.27E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethylene	2.63E+06	-	-	9.5	<0.1	-	-	19	<0.1	-	-	13	<0.1	-	-	8.1	-
	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 of TCE results

	VMW-1 5ft (mg/m^3)	VMW-2 5ft (mg/m^3)	VMW-3 5ft (mg/m^3)	VMW-4 25ft (mg/m^3)	VMW-4 60ft (mg/m^3)	VMW-5 25ft (mg/m^3)	VMW-5 60ft (mg/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
2024 Quarter 4	43	91	64	2000	5000	320	1100
Mean (M)	44.6	97.3	74.1	2514.6	6650.9	347.9	1302.4
Standard Deviation (SD)[n−1]	9.6	17.5	15.2	472.7	1343.5	51.0	167.6
2SD Lower Limit (M−2ÍSD)	25.5	62.2	43.7	1569.3	3964.0	245.9	967.2
2SD Upper Limit (M+2ÍSD)	63.8	132.4	104.6	3460.0	9337.9	449.8	1637.6
3SD Lower Limit (M−3ÍSD)	15.9	44.7	28.5	1096.6	2620.5	194.9	799.6
3SD Upper Limit(M+3ÍSD)	73.4	149.9	119.8	3932.6	10681.4	500.8	1805.3

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SAMPLE COLLECTION LOGS

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Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16585 **EVENT NAME:** CY 2024 - October - TA-63 - TWF - Porgas Sampling

SAMPLE ID: TWF63-24-341010 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/30/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1340	MEDIA:		Gas
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	ok
LOCATION ID:	UNK	ok	FIELD PREP:	NA	
LOCATION TYPE:	BHover10ft		FIELD QC TYPE:	FB	
TOP DEPTH:		NA	SAMPLE USAGE:	QC	
BOTTOM DEPTH:			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:

LOCATION COMMENTS: ~~Port~~ 10/30/2024 mj

FIELD PARAMETERS:

Sample Time 1340 HH:MM

CH_4= CO_2= 10/30/2024 mj O_2= VOC:

summa # 33546

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

RELINQUISHED BY (Printed Name) Melissa Stasiuk (Signature)	Date/Time 10/30/2024 1404	RECEIVED BY (Printed Name) (Signature)	Date/Time 10/30/24 1404
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: 10/22/2024

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16585 **EVENT NAME:** CY 2024 - October - TA-63 - TWF - Porgas Sampling

SAMPLE ID: TWF63-24-341011 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/30/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1328	MEDIA:		GAS
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	ok
LOCATION ID:	63-2013	ok	FIELD PREP:	NA	
LOCATION TYPE:	BHover10ft	↓	FIELD QC TYPE:	FD	
TOP DEPTH:		surf	SAMPLE USAGE:	QC	↓
BOTTOM DEPTH:		60 ft	EXCAVATED:		YES / NO / (NA)

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

SAMPLE COMMENTS:

LOCATION COMMENTS:

FIELD PARAMETERS:

Sample Time 1328 HH:MM

CH_4 = 0'1. CO_2 = 26400 ppm O_2 = 19.3 %. VOC: 0.3 ppm

Summa # 1320

COLLECTED BY (PRINT): M. Beggy **REVIEWED BY (PRINT):**

RELINQUISHED BY (Printed Name) melissa stastny (Signature)	Date/Time 10/31/2024 1404	RECEIVED BY (Printed Name) (Signature)	Date/Time 10/30/24 1404
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: 10/22/2024

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16585 **EVENT NAME:** CY 2024 - October - TA-63 - TWF - Porgas Sampling

SAMPLE ID: TWF63-24-341012 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/30/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1327	MEDIA:		GAS
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	ok
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:

LOCATION COMMENTS: Port 2

FIELD PARAMETERS:

Sample Time 1327 HH:MM

CH_4 = 0.1. CO_2 = 26400 ppm O_2 = 19.3 %. VOC = 0.3 ppm

Summa #: 3489

COLLECTED BY (PRINT): M. Bozay **REVIEWED BY (PRINT):**

RELINQUISHED BY (Printed Name) Melissa Stastny (Signature)	Date/Time 10/30/2024 1404	RECEIVED BY (Printed Name) (Signature)	Date/Time 10/30/24 1404
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: 10/22/2024

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16585 **EVENT NAME:** CY 2024 - October - TA-63 - TWF - Porgas Sampling

SAMPLE ID: TWF63-24-341013 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/30/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1308	MEDIA:		GAS
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	ok
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:

LOCATION COMMENTS: Port 1

FIELD PARAMETERS:

Sample Time 1308 HH:MM

CH_4 = 0.1 CO_2 = 44600 ppm O_2 = 18.3 % VOC = 0.1 ppm

Summa # 25267

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

RELINQUISHED BY (Printed Name) Melissa Stastny (Signature)	Date/Time 10/30/2024 1409	RECEIVED BY (Printed Name) (Signature)	Date/Time 10/30/24 1409
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: 10/22/2024

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16585 **EVENT NAME:** CY 2024 - October - TA-63 - TWF - Porgas Sampling

SAMPLE ID: TWF63-24-341014 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/30/2024	FIELD MATRIX:	GAS	GAS
TIME COLLECTED (HH:MM):		1245	MEDIA:		GAS
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	OK
LOCATION ID:	63-2012	OK	FIELD PREP:	NA	
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	
TOP DEPTH:	59 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	60 ft		EXCAVATED:		YES / NO / (NA)

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

SAMPLE COMMENTS:

LOCATION COMMENTS: Port 2

FIELD PARAMETERS:

Sample Time 1245 HH:MM

CH_4 = 0 %. CO_2 = 15000 ppm O_2 = 20.1 %. VOC = 1.0 ppm

Summa #4687

COLLECTED BY (PRINT): M. Bean **REVIEWED BY (PRINT):**

RELINQUISHED BY (Printed Name) Melissa Stajura (Signature)	Date/Time 10/30/2024 1400	RECEIVED BY (Printed Name) (Signature)	Date/Time 10/30/24 1454
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: 10/22/2024

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16585 **EVENT NAME:** CY 2024 - October - TA-63 - TWF - Porgas Sampling

SAMPLE ID: TWF63-24-341015 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/30/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1224	MEDIA:		GAS
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	ok
LOCATION ID:	63-2012	ok	FIELD PREP:	NA	
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	
TOP DEPTH:	24 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	25 ft		EXCAVATED:		YES / NO / (NA)

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

SAMPLE COMMENTS:

LOCATION COMMENTS: Port 1

FIELD PARAMETERS:

Sample Time 1224 HH:MM

CH_4 = 0% CO_2 = 10000 ppm O_2 = 20.0% VOC = 0.0 ppm

Summa #: 34210

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

RELINQUISHED BY (Printed Name) Melissa Stastny (Signature)	Date/Time 10/30/2024 1404	RECEIVED BY (Printed Name) (Signature)	Date/Time 10/30/24 1404
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: 10/22/2024

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16585 **EVENT NAME:** CY 2024 - October - TA-63 - TWF - Porgas Sampling

SAMPLE ID: TWF63-24-341016 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/30/2024	FIELD MATRIX:	GAS	GAS
TIME COLLECTED (HH:MM):		1137	MEDIA:		GAS
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	ok
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:

LOCATION COMMENTS: Port 1

FIELD PARAMETERS:

Sample Time 1137 HH:MM

CH_4 = 0.1 CO_2 = 5000 ppm O_2 = 20.9 % VOC = 0.1 ppm

Summa # 33983

COLLECTED BY (PRINT): M. Beggy **REVIEWED BY (PRINT):**

RELINQUISHED BY (Printed Name) Melissa Stajtm (Signature)	Date/Time 10/30/2024 1404	RECEIVED BY (Printed Name) (Signature)	Date/Time 10/30/24 1404
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: 10/22/2024

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16585 **EVENT NAME:** CY 2024 - October - TA-63 - TWF - Porgas Sampling

SAMPLE ID: TWF63-24-341017 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/30/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1116	MEDIA:		GAS
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	ok
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:

LOCATION COMMENTS: Port 1

FIELD PARAMETERS:

Sample Time 1116 HH:MM

CH_4 = 0% CO_2 = 6800 ppm O_2 = 20.7% VOC = 0.0 ppm

Summa # 6024

COLLECTED BY (PRINT): M. Benay **REVIEWED BY (PRINT):**

RELINQUISHED BY (Printed Name) Melissa Stanton (Signature)	Date/Time 10/30/2024 1409	RECEIVED BY (Printed Name) (Signature)	Date/Time 10/30/24 1640
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: 10/22/2024

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 16585 **EVENT NAME:** CY 2024 - October - TA-63 - TWF - Porgas Sampling

SAMPLE ID: TWF63-24-341018 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/30/2024	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1054	MEDIA:		GAS
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	ok
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:

LOCATION COMMENTS: Port 1

FIELD PARAMETERS:

Sample Time 1054 HH:MM

CH_4 = 0.1. CO_2 = 12800 ppm O_2 = 20.8 1. VOC = 0.0 ppm

summa #38279

COLLECTED BY (PRINT): M. Regan **REVIEWED BY (PRINT):**

RELINQUISHED BY (Printed Name) melissa stalter (Signature)	Date/Time 10/30/2024 1404	RECEIVED BY (Printed Name) (Signature)	Date/Time 10/30/24 1404
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: 10/22/2024