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**Symbol:** EPC-DO-23-103

**Date:** March 27, 2023

**LA-UR:** 23-22949

Mr. Dave Cobrain, Acting 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, January 2023 (Quarter 22), Los Alamos National Laboratory, EPA ID# NM0890010515**

Dear Mr. Cobrain:

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 entitled *Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, January 2023 (Quarter 22)* in accordance with the Los Alamos National Laboratory (LANL) Hazardous Waste Facility Permit (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 on a quarterly basis to ensure protection of environmental health and safety, including that of onsite workers. The enclosed report provides the results of sampling conducted on January 26, 2022, for the twenty-second quarter following the start of operations in October 2017. The sampling results indicate that vapor concentrations at the site do not exceed the soil gas screening levels established by the Permit.

A discussion on January 25, 2023, between NMED-HWB and a Triad subject matter expert regarding data tables presented in the report, resulted in revisions to Table 3, *Current and Previous Analytical Results for Eight Quarters*, 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*. Rather than present all soil vapor monitoring data from Quarter 1 to the present, the report will now present the data for the last eight (8) quarters, inclusive of the most recent quarter.

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 Karen E. Armijo (NA-LA), at 505-665-7314 or by email at [karen.armijo@nnsa.doe.gov](mailto:karen.armijo@nnsa.doe.gov) or Patrick L. Padilla (Triad) at 505-412-0462 or by email at [plpadilla@lanl.gov](mailto:plpadilla@lanl.gov).

Sincerely,

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Sincerely,

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U.S. Department of Energy

JEP/KEA/PLP

Enclosure: *Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report,  
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## ENCLOSURE

*Technical Area 63 Transuranic Waste Facility Soil Vapor  
Monitoring System Report, January 2023 (Quarter 22)*

*Los Alamos National Laboratory,  
EPA ID# NM0890010515*

Date: March 27, 2023

EPC-DO-23-103  
LA-UR-23-22949

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

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# CERTIFICATION

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## Certification

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

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**Jennifer E. Payne**  
Division Leader  
Environmental Protection and Compliance Division  
Triad National Security, LLC  
Los Alamos National Laboratory

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**Karen E. Armijo**  
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Date Signed

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# Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, January 2023 (Quarter 22) Los Alamos National Laboratory, EPA ID# NM0890010515

## I Introduction

This report provides the January 2023 (Quarter 22) soil vapor sampling results from the Technical Area 63 (TA-63) Transuranic Waste Facility (TWF) soil vapor monitoring network at Los Alamos National Laboratory (LANL). The TWF soil vapor monitoring wells evaluate vapor-phase contaminants that potentially migrate from TA-50, Material Disposal Area (MDA) C, Solid Waste Management Unit 50-009. MDA C is managed under the Compliance Order on Consent. The TWF is located southeast of MDA C. Quarterly sampling is required by the LANL Hazardous Waste Facility Permit (Permit) Part 3, Section 3.14.3, Subsurface Vapor Monitoring, to prevent worker exposure to potentially harmful levels of volatile organic compounds (VOCs) at the site.

Sampling and laboratory analytical results for Quarter 22 confirm that VOC concentrations in the soil gas at the site are stable and do not exceed the screening levels established by the Permit. This report also presents a statistical analysis of the soil vapor data as part of an ongoing review to determine the need for continued sampling on a quarterly basis.

## II Background

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 coincides with commencement of waste activities at the site in December 2017. Quarterly reports for the last twenty-one quarters are listed in the references section (LANL 2017 through LANL 2022e).

The TWF soil vapor monitoring network consists of five soil vapor monitoring wells located in or near the permitted storage area at the TWF. The vapor monitoring wells were installed as specified in Permit Attachment A, Section A.6.10, Subsurface Vapor Monitoring. Figure 1. Soil vapor monitoring well locations at TA-63 TWF, depicts the locations of the five soil vapor monitoring wells that comprise the TWF soil vapor monitoring network. Vapor monitoring well (VMW)-1 (LANL Structure Number 63-2009) and VMW-2 (63-2010) are located proximal to the TWF storage building foundations and adjacent to the unit boundary that faces the utility corridor on Puye Road and MDA C. A third vapor monitoring well, VMW-3 (63-2011), is located within the permitted unit at a point on the western edge of the unit and close to the utility corridor on Pajarito Road. The sampling ports for VMW-1, VMW-2, and VMW-3 are located at a 5-foot (ft) nominal depth below the concrete pad of the TWF permitted storage unit. Two vapor monitoring wells, VMW-4 (63-2012) and VMW-5 (63-2013), are located outside the permitted unit, across Puye Road to the north and closer to MDA C. There are two sampling ports in both VMW-4 and VMW-5 at depths of 25 and 60 ft below the ground surface. Each vapor monitoring well and vapor monitoring port are sampled during quarterly sampling events, for a total of seven (7) vapor samples.

The Permit presents action levels within Permit Part 3, Tables 3.14.3.1, 3.14.3.2, and 3.14.3.3 (Permit Tables) for VOC constituents of concern. Each Permit Table presents soil gas screening levels (SGSLs)

for each of the vapor monitoring well sample ports at 5 ft, 25 ft, and 60 ft. The SGSLs are based on U.S. Environmental Protection Agency (EPA) guidance. References to the guidance and an explanation of the calculations used to develop the SGSLs are presented in Permit Part 3, Section 3.14.3, Subsurface Vapor Monitoring. All VOC laboratory analytical sampling results are compared with the SGSLs where listed. The primary constituent of concern at the site is trichloroethylene (TCE).

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. Based on a conversation with the New Mexico Environment Department-Hazardous Waste Bureau on January 25, 2023, Table 3, 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, were revised to present data for eight quarters rather than the full data set.

### **III Soil Vapor**

Field work for the Quarter 22 sampling event occurred on January 26, 2023. Soil vapor gases were extracted from the monitoring well sample ports through stainless steel tubing into stainless steel SUMMA canisters and submitted for laboratory analysis of VOCs using the EPA TO-15 method as required by Permit Section 3.14.3. Field personnel collected a total of nine (9) samples, including one field duplicate from VMW-5, 60-ft port and one field blank sample. The samples were analyzed for the constituents identified in the Permit Tables. There were no variances in the sampling procedures from the Permit requirements.

### **IV Analytical Results**

Several constituents of concern are regularly detected in the soil vapor monitoring network. TCE is regularly detected in all of the vapor monitoring wells. Chloroform, dichlorodifluoromethane, tetrachloroethylene, and carbon tetrachloride are also routinely detected in the vapor monitoring wells VMW-4 and VMW-5. The analytical data are discussed below.

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 – Quarter 22. These data include all detect and non-detect analytical results.

Table 1, Detected Volatile Organic Compounds at TA-63 Transuranic Waste Facility – Quarter 22, presents a summary of the detected laboratory VOCs analytical results. The table provides results for both non-qualified and estimated (J-qualified) detections. Each well port depth and constituent of concern have an associated SGSL, presented in Table 1, for comparison with the analytical results. One column presents a calculated percentage of the analytical results to the SGSLs to demonstrate the relative constituent concentrations. The data continue to demonstrate that detected concentrations of TCE and other VOCs do not exceed the respective SGSLs in the Permit Tables and continue to be detected well below the SGSLs.

TCE consistently exhibits the highest concentration levels among the detected VOCs at the site. TCE is detected in all five of the vapor sampling 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 concentration measured in VMW-4 (at the 25-ft port depth) is 2400 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) (1.5% of the SGSL) and 3100  $\mu\text{g}/\text{m}^3$  at the 60-ft port depth (3.3% of the SGSL). The TCE concentration measured in VMW-5 at the 25-ft port depth is 280  $\mu\text{g}/\text{m}^3$  (0.2% of the SGSL) and

1000  $\mu\text{g}/\text{m}^3$  at the 60-ft port depth (1.1% of the SGSL). 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: 0.1%, 0.4%, and 0.3%, respectively.

Chloroform is routinely present in soil gas samples collected from vapor monitoring wells VMW-4 and VMW-5. The concentrations of chloroform in vapor monitoring well VMW-4 are 78  $\mu\text{g}/\text{m}^3$  (0.3% of the SGSL) and 88  $\mu\text{g}/\text{m}^3$  (0.2% of the SGSL) in the 25-ft and 60-ft sampling ports, respectively. The concentrations of chloroform in vapor monitoring well VMW-5 are 45  $\mu\text{g}/\text{m}^3$  (0.2% of the SGSL) and 20  $\mu\text{g}/\text{m}^3$  (J-qualified or estimated) (<0.1% of the SGSL) in the 25-ft and 60-ft sampling ports, respectively.

Vapor monitoring wells VMW-4 and VMW-5 also consistently demonstrate concentrations above the laboratory report detection limits for dichlorodifluoromethane, tetrachloroethylene, and carbon tetrachloride. The concentrations for these VOCs are very low at 0.1% or less of the relevant SGSLs.

### Additional Analytic Results Discussion

Occasionally additional VOCs are detected in the vapor monitoring wells. The Permit Part 3, Section 3.14.3, requires notification to the NMED-HWB when a constituent is detected that has not previously been detected, when a detection exceeds half of the SGSL, and when the detected concentration that exceeds half of the SGSL increases for the third consecutive sampling event. Notifications submitted to date have been for newly detected constituents.

A field duplicate sample for vapor monitoring well VMW-5, 60-ft port in Quarter 10 (LANL 2020c) required a notification of additional constituents. The newly detected VOCs included tetrahydrofuran, ethanol, propanol[2-] (isopropyl alcohol), and 2-butanone. The Permit Tables list 2-butanone (methyl ethyl ketone) but do not list the other constituents. In Quarter 16, the field duplicate for VMW-5, 60-ft port demonstrated a detection of ethanol at 30  $\mu\text{g}/\text{m}^3$  (J-qualified). The note for this sample indicated that the laboratory control sample percent recovery was less than the lower acceptable limit but greater than or equal to the rejection limit. In Quarter 22, there are no detects of any of these constituents in any of the vapor monitoring wells.

On December 16, 2021, notification of a newly detected constituent was made to NMED-HWB (LANL 2021e), as required by Permit Section 3.14.3. The analytical results for the sample collected from VMW-1 indicated the detection of a new constituent, xylene[1,3-]+xylene[1,4-] (m-xylene and p-xylene), below the laboratory report detection limit. Review of the analytical laboratory data did not indicate a data-quality error. In correspondence dated August 29, 2022 [NMED 2022], the NMED-HWB indicated that the lack of detection in the Quarter 18 and Quarter 19 sampling events does not rule out the presence of xylene isomers; therefore, continued monitoring for the constituents is required. Data confirm that there are no detections for xylene isomers at VMW-1 for Quarter 22.

VOCs that are not listed in the Permit tables are also sometimes detected. The detections are reported in the quarterly reports and the constituents are noted in the paragraphs below for continuity and tracking.

Ethanol and propanol[2-] (isopropyl alcohol) have been detected at estimated (J-qualified) concentrations in vapor monitoring wells VMW-1 and VMW-4 in previous sampling events. Neither of these constituents are listed in the Permit Tables, so there are no associated Permit SGSLs for comparison. In Quarter 12 (LANL 2020e), vapor monitoring well VMW-1, 5-ft port and VMW-4, 25-ft port analytical results indicated the presence of ethanol and propanol[2-] (isopropyl alcohol). Quarter 14 (LANL 2021b) analytical results for vapor monitoring well VMW-4, 60-ft port demonstrated the presence of propanol[2-] (isopropyl alcohol) at 19  $\mu\text{g}/\text{m}^3$ . The Quarter 22 sampling results do not indicate the presence of these constituents in any of the vapor monitoring wells.

A faulty nitrogen tank resulted in field blank sample issues for several quarters. Field blank sample analytical results starting in Quarter 6 through Quarter 14 (LANL 2019a through LANL 2021b) 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. Field blanks are collected onsite during sampling events to detect and identify contaminants from the sampling site. An ultra-high pure nitrogen tank is used as the vapor source for the field blank. The nitrogen tank is connected to a SUMMA canister, which is then sent to the analytical laboratory, along with the other samples, for analysis. In correspondence dated March 26, 2021 (NMED 2021), the NMED-HWB required that the source of the field blank contamination be identified. Before the Quarter 15 sampling event, a new ultra-high pure nitrogen tank was purchased and used for field blank sample collection, which resulted in no detectable amounts of ethylbenzene or xylene isomers. The field blank issue appears to be resolved.

## V Statistics

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

The detected concentrations of TCE to date remain within the limits of a two standard deviation interval of the sample above and below the statistical mean values, with a confidence probability of 95%. Two near-range exceptions are associated with the data from the 25-ft ports of vapor monitoring wells VMW-4 and VMW-5. A three standard deviation calculation for these wells (see Table 4) demonstrates that the concentrations for data exceptions fall within a range with a confidence probability of 99%. This result means that no significant deviations are observed for the average TCE concentrations for each well and sampling port to that approximate level of confidence.

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 TCE in 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 relatively flat. There also does not appear to be a relationship between well results that would indicate seasonal variations or indicate plume concentration changes within these wells.

The concentrations detected are also significantly below the permitted maximum SGSL constituent concentrations for TCE (by at least one order of magnitude). The TCE concentrations for the sampling quarters collected to date appear relatively stable.

The data suggest that the constituent concentrations are stable and that any increase in VOC concentrations, which are of concern according to the Permit conditions for reporting, will likely occur slowly over time and will be identified easily without approaching the SGSL action levels.

## VI References

- LANL 2015. "TA-63 Transuranic Waste Facility Soil Vapor Monitoring System Report," (ENV-DO-15-0305), October 29, 2015. Los Alamos National Laboratory, Los Alamos, New Mexico.
- LANL 2017. "Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 1, Los Alamos National Laboratory EPA ID #NM0890010515," (EPC-DO:17-560), December 21, 2017. Los Alamos National Laboratory, Los Alamos, New Mexico.

- LANL 2018a. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 2, Los Alamos National Laboratory EPA ID #NM0890010515,” (EPC-DO:18-139) of March 30, 2018. Los Alamos National Laboratory, Los Alamos, New Mexico.
- LANL 2018b. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 3, Los Alamos National Laboratory EPA ID #NM0890010515,” (EPC-DO:18-245) of June 28, 2018. Los Alamos National Laboratory, Los Alamos, New Mexico.
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- LANL 2018d. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 5, Los Alamos National Laboratory EPA ID #NM0890010515,” (EPC-DO:18-448) of December 27, 2018. Los Alamos National Laboratory, Los Alamos, New Mexico.
- LANL 2019a. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 6, Los Alamos National Laboratory EPA ID #NM0890010515,” (EPC-DO:19-103) of April 4, 2019. Los Alamos National Laboratory, Los Alamos, New Mexico.
- LANL 2019b. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 7, Los Alamos National Laboratory EPA ID #NM0890010515,” (EPC-DO:19-203) of June 26, 2019. Los Alamos National Laboratory, Los Alamos, New Mexico.
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- LANL 2020b. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Additional Information, Los Alamos National Laboratory EPA ID #NM0890010515,” (EPC-DO:20-121) of March 26, 2020. Los Alamos National Laboratory, Los Alamos, New Mexico.
- LANL 2020c. “Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 10, Los Alamos National Laboratory EPA ID #NM0890010515,” (EPC-DO:20-121) of March 30, 2020. Los Alamos National Laboratory, Los Alamos, New Mexico.
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- 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.





## **FIGURES AND TABLES**

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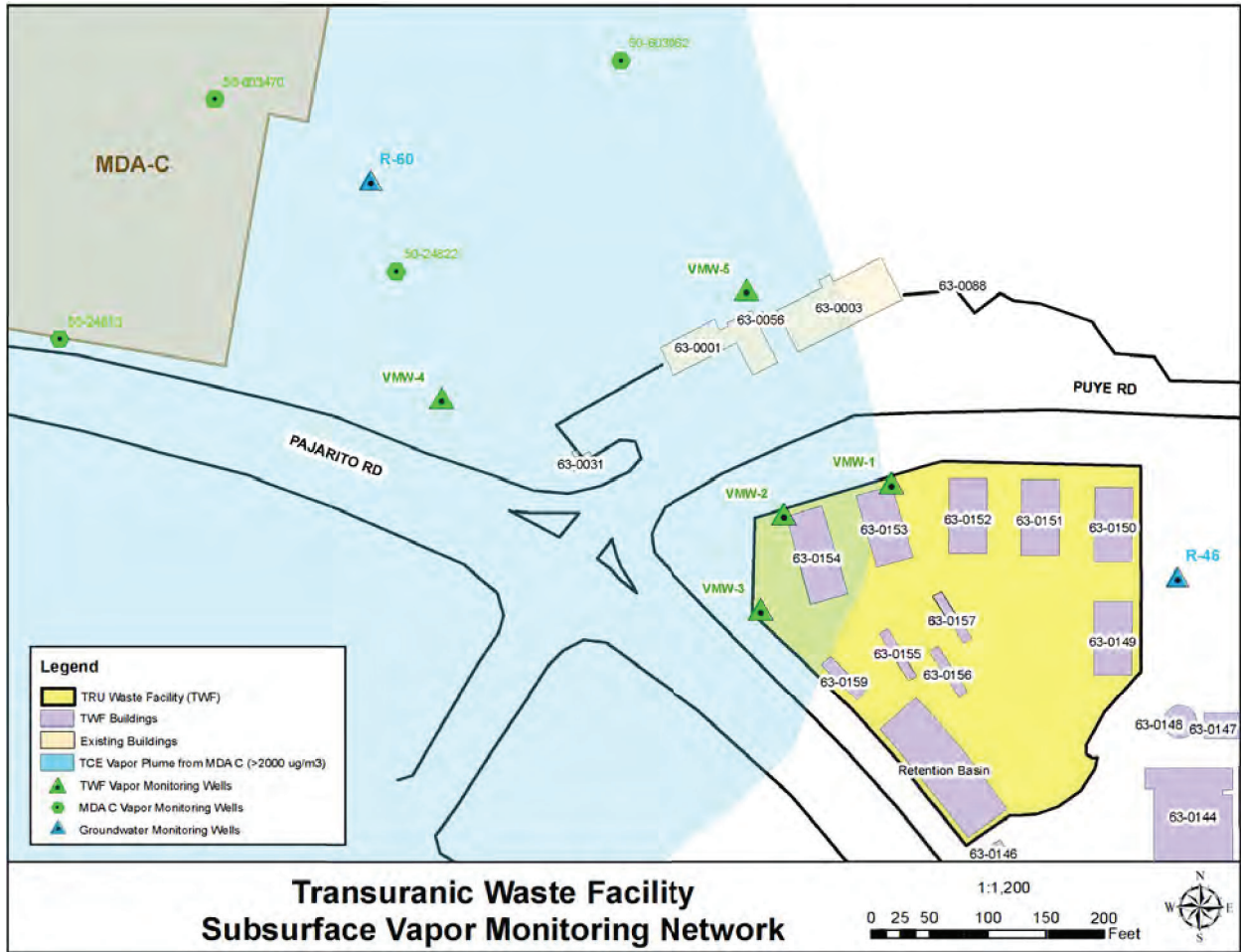


Figure 1. Soil vapor monitoring well locations at TA-63 TWF.

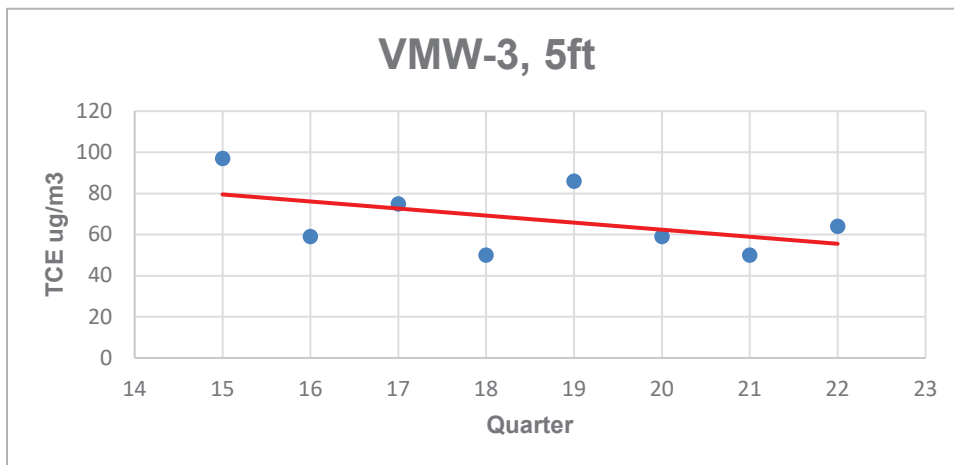
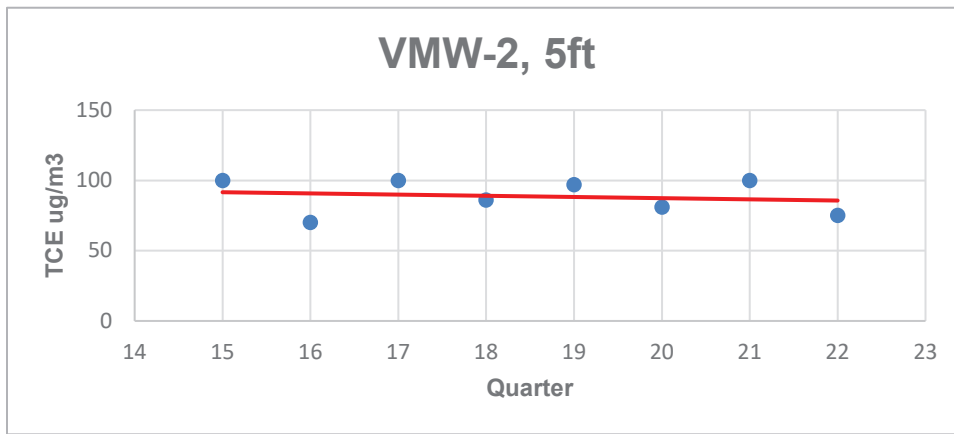
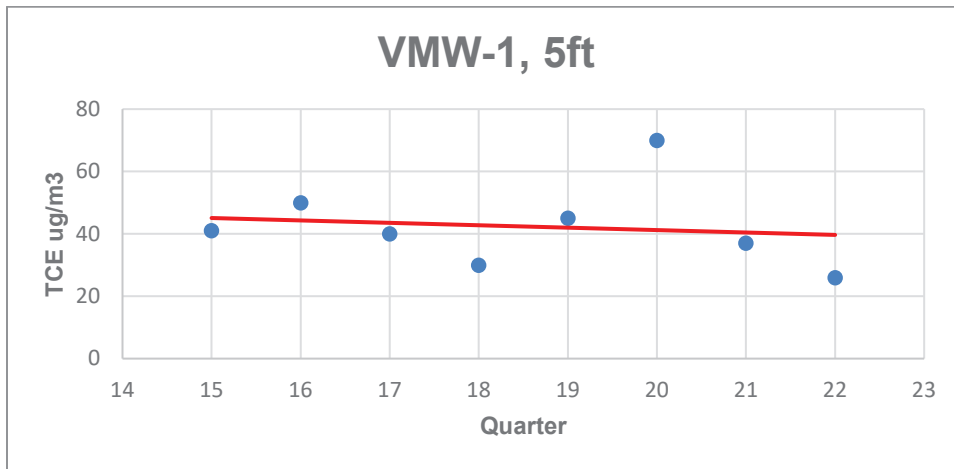


Figure 2. Data plots for TA-63 TWF soil vapor monitoring wells inside the permitted unit.

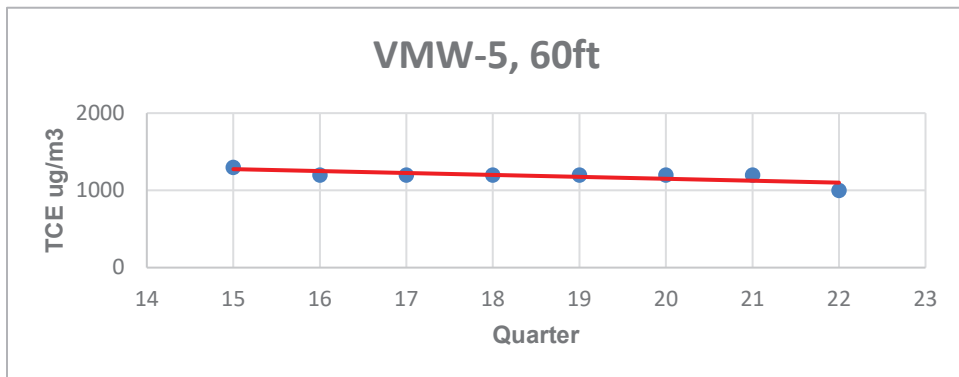
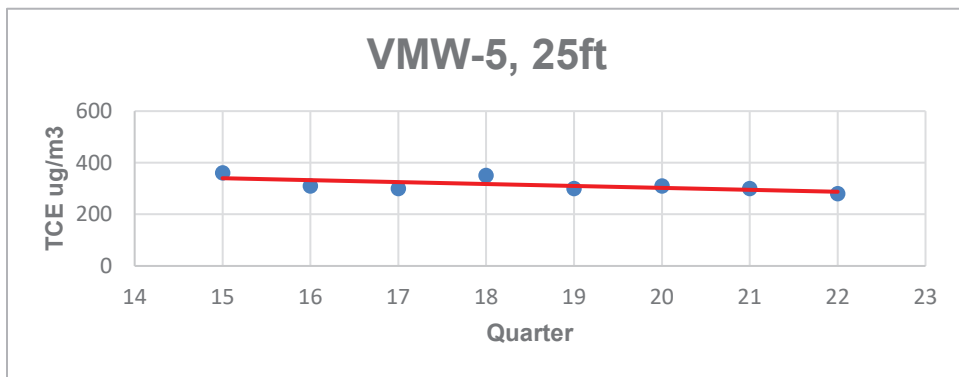
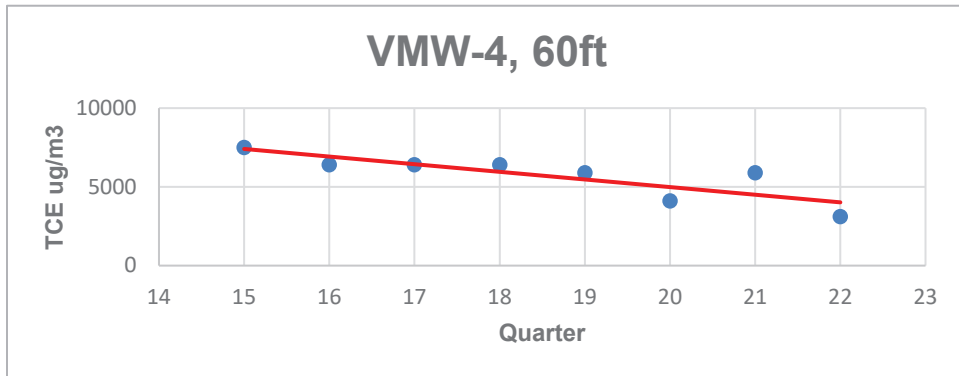
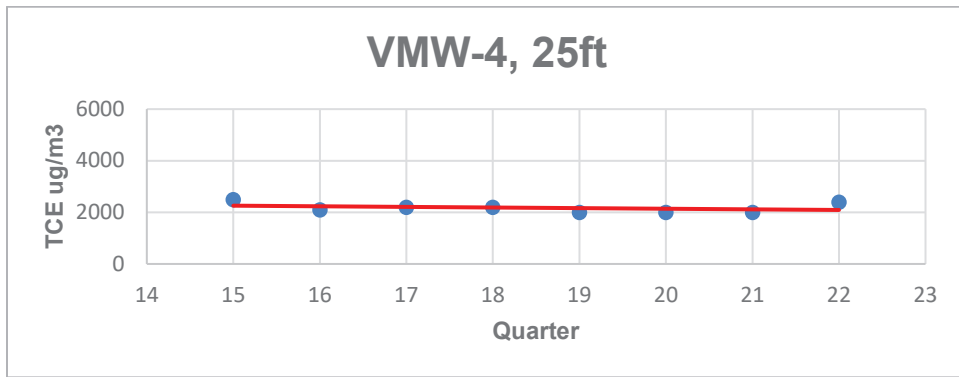


Figure 3. Data plots for TA-63 TWF soil vapor monitoring wells outside the permitted unit.

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Table 1: Detected Volatile Organic Compounds at TA-63 Transuranic Waste Facility - Quarter 22

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)	TWF63-23-265651	5	REG	Trichloroethene	Trichloroethylene	26	J	40	1.94E+04	0.1
VMW-2 (63-2010)	TWF63-23-265652	5	REG	Trichloroethene	Trichloroethylene	75	NQ	40	1.94E+04	0.4
VMW-3 (63-2011)	TWF63-23-265653	5	REG	Trichloroethene	Trichloroethylene	64	NQ	40	1.94E+04	0.3
VMW-4 (63-2012)	TWF63-23-265654	25	REG	Trichloroethene	Trichloroethylene	2400	NQ	38	1.57E+05	1.5
	TWF63-23-265654	25	REG	Dichlorodifluoromethane	Dichlorodifluoromethane	69	J	35	2.61E+06	<0.1
	TWF63-23-265654	25	REG	Tetrachloroethene	Tetrachloroethylene	31	J	47	2.63E+06	<0.1
	TWF63-23-265654	25	REG	Carbon Tetrachloride	Carbon Tetrachloride	47	NQ	44	1.06E+05	<0.1
	TWF63-23-265654	25	REG	Chloroform	Chloroform	78	NQ	34	2.30E+04	0.3
	TWF63-23-265654	25	REG	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	19	J	54	6.86E+08	<0.1
VMW-4 (63-2012)	TWF63-23-265655	60	REG	Dichlorodifluoromethane	Dichlorodifluoromethane	69	J	38	5.38E+06	<0.1
	TWF63-23-265655	60	REG	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	11	J	58	1.38E+09	<0.1
	TWF63-23-265655	60	REG	Trichloroethene	Trichloroethylene	3100	NQ	41	9.27E+04	3.3
	TWF63-23-265655	60	REG	Chloroform	Chloroform	88	NQ	37	4.44E+04	0.2
	TWF63-23-265655	60	REG	Tetrachloroethene	Tetrachloroethylene	37	J	52	2.05E+06	<0.1
	TWF63-23-265655	60	REG	Carbon Tetrachloride	Carbon Tetrachloride	45	J	48	2.13E+05	<0.1
VMW-5 (63-2013)	TWF63-23-265656	25	REG	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	14	J	39	1.16E+08	<0.1
	TWF63-23-265656	25	REG	Chloroform	Chloroform	45	NQ	35	2.30E+04	0.2
	TWF63-23-265656	25	REG	Dichlorodifluoromethane	Dichlorodifluoromethane	34	J	35	2.61E+06	<0.1
	TWF63-23-265656	25	REG	Tetrachloroethene	Tetrachloroethylene	8.8	J	48	2.63E+06	<0.1
	TWF63-23-265656	25	REG	Trichloroethene	Trichloroethylene	280	NQ	38	1.57E+05	0.2
VMW-5 (63-2013)	TWF63-23-265657	60	REG	Carbon Tetrachloride	Carbon Tetrachloride	15	J	47	2.13E+05	<0.1
	TWF63-23-265657	60	REG	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	11	J	57	1.38E+09	<0.1
	TWF63-23-265657	60	REG	Chloroform	Chloroform	20	J	37	4.44E+04	<0.1
	TWF63-23-265657	60	REG	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	28	J	41	2.34E+08	<0.1
	TWF63-23-265657	60	REG	Dichlorodifluoromethane	Dichlorodifluoromethane	50	J	37	5.38E+06	<0.1
	TWF63-23-265657	60	REG	Tetrachloroethene	Tetrachloroethylene	12	J	51	2.05E+06	<0.1
	TWF63-23-265657	60	REG	Trichloroethene	Trichloroethylene	1000	NQ	40	9.27E+04	1.1
VMW-5 (63-2013) Field Duplicate	TWF63-23-265658	60	FD	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	12	J	57	1.38E+09	<0.1
	TWF63-23-265658	60	FD	Carbon Tetrachloride	Carbon Tetrachloride	18	J	47	2.13E+05	<0.1
	TWF63-23-265658	60	FD	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	25	J	41	2.34E+08	<0.1
	TWF63-23-265658	60	FD	Chloroform	Chloroform	22	J	37	4.44E+04	<0.1
	TWF63-23-265658	60	FD	Dichlorodifluoromethane	Dichlorodifluoromethane	64	J	37	5.38E+06	<0.1
	TWF63-23-265658	60	FD	Trichloroethene	Trichloroethylene	1000	NQ	40	9.27E+04	1.1

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  
 SGSL = Soil Gas Screening Level from Permit Part 3, Tables 3.14.3.1 through 3.14.3.3

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Table 2: Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility - Quarter 22

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	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	2.7	24	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	41	U	8.2	41	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	6.8	27	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	4.1	35	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	45	U	5.1	45	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	47	U	8.8	47	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	100	U	12	100	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	37	U	17	37	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	30	U	6.5	30	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	30	U	6.3	30	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	42	U	9.0	42	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	57	U	8.4	57	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	52	U	9.1	52	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	35	U	8.8	35	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	90	U	18	90	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	41	U	14	41	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	51	U	6.0	51	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	300	U	170	300	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	90	U	23	90	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	30	U	9.7	30	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	100	U	15	100	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	37	U	7.4	37	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	28	U	4.1	28	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	35	U	6.4	35	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	6.2	22	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	26	U	5.6	26	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	26	U	5.2	26	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	100	200	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	26	100	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	64	U	12	64	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	5.5	17	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	30	U	8.3	30	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	30	U	8.3	30	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	37	UJ	12	37	N
<b>63-2009</b>	<b>5</b>	<b>TWF63-23-265651</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>79-01-6</b>	<b>Trichloroethene</b>	<b>26</b>	<b>J</b>	<b>9.7</b>	<b>40</b>	<b>Y</b>
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	100	U	38	100	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	60	U	23	60	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	80	U	15	80	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	8.2	19	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	100	U	16	100	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	90	U	12	90	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	77	U	10	77	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	50	U	9.4	50	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	72	U	20	72	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	93	U	19	93	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	70	U	7.8	70	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	37	U	7.3	37	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	33	U	6.9	33	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	4.7	32	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	39	U	5.1	39	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	8.6	34	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	7.3	34	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	37	U	9.3	37	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	45	U	6.0	45	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	58	U	4.6	58	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	51	U	6.8	51	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	31	U	8.6	31	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	33	U	5.2	33	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	45	U	11	45	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	37	U	3.7	37	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	37	U	3.8	37	N
63-2009	5	TWF63-23-265651	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	33	U	5.2	33	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	37	UJ	12	37	N
<b>63-2010</b>	<b>5</b>	<b>TWF63-23-265652</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>79-01-6</b>	<b>Trichloroethene</b>	<b>75</b>	<b>NQ</b>	<b>9.7</b>	<b>40</b>	<b>Y</b>
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	32	U	5.2	32	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	44	U	10	44	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	36	U	3.7	36	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	36	U	3.7	36	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	32	U	5.2	32	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	32	U	6.9	32	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	4.7	32	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	38	U	5.0	38	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	8.2	34	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	7.3	34	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	36	U	9.3	36	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	44	U	6.0	44	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	57	U	4.5	57	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	16	U	5.5	16	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	90	U	22	90	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	30	U	9.7	30	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	100	U	15	100	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	36	U	7.4	36	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	28	U	4.1	28	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	34	U	6.4	34	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	6.2	22	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	26	U	5.6	26	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	25	U	5.2	25	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	100	200	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	26	100	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	63	U	12	63	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	50	U	6.8	50	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	30	U	8.6	30	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	29	U	8.3	29	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	29	U	8.3	29	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	6.8	27	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	4.0	35	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	44	U	5.0	44	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	47	U	8.8	47	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	100	U	12	100	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	36	U	16	36	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	70	U	20	70	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	91	U	19	91	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	70	U	7.8	70	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	36	U	6.8	36	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	2.7	24	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	40	U	8.2	40	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	100	U	38	100	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	60	U	23	60	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	80	U	15	80	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	7.9	19	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	100	U	15	100	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	90	U	12	90	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	76	U	10	76	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	50	U	9.4	50	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	30	U	6.5	30	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	29	U	5.9	29	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	42	U	8.4	42	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	57	U	8.4	57	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	52	U	9.1	52	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	34	U	8.8	34	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	90	U	17	90	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	40	U	14	40	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	51	U	5.9	51	N
63-2010	5	TWF63-23-265652	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	300	U	170	300	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	37	UJ	12	37	N
<b>63-2011</b>	<b>5</b>	<b>TWF63-23-265653</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>79-01-6</b>	<b>Trichloroethene</b>	<b>64</b>	<b>NQ</b>	<b>9.7</b>	<b>40</b>	<b>Y</b>
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	32	U	6.9	32	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	4.7	32	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	38	U	5.0	38	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	8.2	34	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	7.3	34	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	57	U	8.4	57	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	52	U	9.1	52	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	34	U	8.3	34	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	85	U	17	85	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	40	U	13	40	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	51	U	5.9	51	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	310	U	170	310	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	32	U	5.2	32	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	44	U	10	44	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	36	U	3.6	36	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	36	U	9.3	36	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	44	U	6.0	44	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	57	U	4.5	57	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	16	U	5.5	16	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	91	U	22	91	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	30	U	9.7	30	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	120	U	15	120	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	36	U	7.4	36	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	28	U	4.1	28	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	34	U	6.4	34	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	6.2	22	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	26	U	5.6	26	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	25	U	5.2	25	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	220	U	100	220	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	26	100	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	63	U	12	63	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	50	U	6.8	50	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	30	U	8.6	30	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	29	U	8.3	29	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	29	U	7.9	29	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	6.5	27	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	4.0	35	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	44	U	5.0	44	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	47	U	8.8	47	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	120	U	12	120	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	36	U	16	36	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	70	U	20	70	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	91	U	18	91	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	69	U	7.8	69	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	36	U	6.8	36	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	2.7	24	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	40	U	8.2	40	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	110	U	37	110	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	60	U	23	60	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	76	U	14	76	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	7.9	19	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	100	U	15	100	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	90	U	12	90	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	76	U	10	76	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	50	U	9.4	50	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	30	U	6.1	30	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	29	U	5.9	29	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	42	U	8.4	42	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	36	U	3.7	36	N
63-2011	5	TWF63-23-265653	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	32	U	5.2	32	N
<b>63-2012</b>	<b>25</b>	<b>TWF63-23-265654</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>127-18-4</b>	<b>Tetrachloroethene</b>	<b>31</b>	<b>J</b>	<b>6.8</b>	<b>47</b>	<b>Y</b>
<b>63-2012</b>	<b>25</b>	<b>TWF63-23-265654</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>56-23-5</b>	<b>Carbon Tetrachloride</b>	<b>47</b>	<b>NQ</b>	<b>8.2</b>	<b>44</b>	<b>Y</b>
<b>63-2012</b>	<b>25</b>	<b>TWF63-23-265654</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>67-66-3</b>	<b>Chloroform</b>	<b>78</b>	<b>NQ</b>	<b>6.8</b>	<b>34</b>	<b>Y</b>
<b>63-2012</b>	<b>25</b>	<b>TWF63-23-265654</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>75-71-8</b>	<b>Dichlorodifluoromethane</b>	<b>69</b>	<b>J</b>	<b>11</b>	<b>35</b>	<b>Y</b>
<b>63-2012</b>	<b>25</b>	<b>TWF63-23-265654</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>76-13-1</b>	<b>Trichloro-1,2,2-trifluoroethane[1,1,2-]</b>	<b>19</b>	<b>J</b>	<b>7.7</b>	<b>54</b>	<b>Y</b>
<b>63-2012</b>	<b>25</b>	<b>TWF63-23-265654</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>79-01-6</b>	<b>Trichloroethene</b>	<b>2400</b>	<b>NQ</b>	<b>9.1</b>	<b>38</b>	<b>Y</b>
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	30	U	6.5	30	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	30	U	4.7	30	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	36	U	4.8	36	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	32	U	8.2	32	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	32	U	7.3	32	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	34	U	8.8	34	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	42	U	5.8	42	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	54	U	4.3	54	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	15	U	5.3	15	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	88	U	21	88	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	28	U	9.3	28	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	110	U	14	110	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	34	U	6.9	34	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	26	U	3.8	26	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	32	U	6.0	32	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	21	U	5.9	21	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	25	U	5.6	25	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	24	U	4.8	24	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	210	U	96	210	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	25	100	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	60	U	11	60	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	29	U	8.2	29	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	28	U	7.9	28	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	28	U	7.9	28	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	25	U	6.5	25	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	33	U	3.8	33	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	42	U	4.8	42	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	110	U	12	110	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	34	U	16	34	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	66	U	18	66	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	86	U	18	86	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	66	U	7.4	66	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	22	U	2.6	22	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	38	U	7.6	38	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	110	U	36	110	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	58	U	23	58	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	74	U	14	74	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	18	U	7.7	18	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	97	U	15	97	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	87	U	11	87	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	72	U	9.9	72	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	47	U	8.7	47	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	28	U	6.1	28	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	28	U	5.9	28	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	39	U	8.4	39	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	49	U	8.4	49	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	32	U	8.3	32	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	83	U	17	83	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	38	U	13	38	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	48	U	5.6	48	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	300	U	160	300	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	30	U	4.8	30	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	42	U	9.6	42	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	34	U	3.5	34	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	34	U	3.5	34	N
63-2012	25	TWF63-23-265654	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	30	U	4.8	30	N
<b>63-2012</b>	<b>60</b>	<b>TWF63-23-265655</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>127-18-4</b>	<b>Tetrachloroethene</b>	<b>37</b>	<b>J</b>	<b>7.5</b>	<b>52</b>	<b>Y</b>
<b>63-2012</b>	<b>60</b>	<b>TWF63-23-265655</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>56-23-5</b>	<b>Carbon Tetrachloride</b>	<b>45</b>	<b>J</b>	<b>8.8</b>	<b>48</b>	<b>Y</b>
<b>63-2012</b>	<b>60</b>	<b>TWF63-23-265655</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>67-66-3</b>	<b>Chloroform</b>	<b>88</b>	<b>NQ</b>	<b>7.3</b>	<b>37</b>	<b>Y</b>
<b>63-2012</b>	<b>60</b>	<b>TWF63-23-265655</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>75-71-8</b>	<b>Dichlorodifluoromethane</b>	<b>69</b>	<b>J</b>	<b>12</b>	<b>38</b>	<b>Y</b>
<b>63-2012</b>	<b>60</b>	<b>TWF63-23-265655</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>76-13-1</b>	<b>Trichloro-1,2,2-trifluoroethane[1,1,2-]</b>	<b>11</b>	<b>J</b>	<b>8.4</b>	<b>58</b>	<b>Y</b>
<b>63-2012</b>	<b>60</b>	<b>TWF63-23-265655</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>79-01-6</b>	<b>Trichloroethene</b>	<b>3100</b>	<b>NQ</b>	<b>9.7</b>	<b>41</b>	<b>Y</b>
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	100	200	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	27	100	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	100	U	38	100	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	60	U	25	60	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	80	U	15	80	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	8.2	19	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	100	U	16	100	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	90	U	12	90	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	79	U	10	79	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	51	U	9.4	51	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	31	U	6.5	31	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	30	U	6.3	30	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	43	U	9.0	43	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	65	U	12	65	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	31	U	8.6	31	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	30	U	8.3	30	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	30	U	8.3	30	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	6.8	27	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	4.1	35	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	46	U	5.1	46	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	100	U	13	100	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	37	U	17	37	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	72	U	20	72	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	93	U	19	93	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	70	U	8.1	70	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	2.8	24	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	41	U	8.2	41	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	53	U	9.1	53	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	35	U	8.8	35	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	90	U	18	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/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	41	U	14	41	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	52	U	6.0	52	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	300	U	170	300	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	33	U	5.2	33	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	46	U	11	46	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	37	U	3.7	37	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	37	U	3.8	37	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	33	U	5.2	33	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	33	U	6.9	33	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	4.7	32	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	39	U	5.1	39	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	8.6	34	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	7.7	34	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	37	U	9.3	37	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	46	U	6.0	46	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	58	U	4.6	58	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	5.5	17	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	90	U	23	90	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	31	U	9.7	31	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	100	U	15	100	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	37	U	7.9	37	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	4.1	29	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	35	U	6.4	35	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	6.2	22	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	6.0	27	N
63-2012	60	TWF63-23-265655	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	26	U	5.2	26	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	66	U	7.6	66	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	23	U	2.6	23	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	110	U	36	110	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	58	U	23	58	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	74	U	14	74	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	18	U	7.7	18	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	97	U	15	97	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	87	U	11	87	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	73	U	9.9	73	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	48	U	8.7	48	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	29	U	6.1	29	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	28	U	5.9	28	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	40	U	8.4	40	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	54	U	7.7	54	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	50	U	8.4	50	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	33	U	8.3	33	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	83	U	17	83	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	39	U	13	39	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	49	U	5.7	49	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	300	U	170	300	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	31	U	4.8	31	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	43	U	10	43	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	35	U	3.5	35	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	35	U	3.6	35	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	31	U	4.8	31	N
<b>63-2013</b>	<b>25</b>	<b>TWF63-23-265656</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>127-18-4</b>	<b>Tetrachloroethene</b>	<b>8.8</b>	<b>J</b>	<b>6.8</b>	<b>48</b>	<b>Y</b>
<b>63-2013</b>	<b>25</b>	<b>TWF63-23-265656</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>67-66-3</b>	<b>Chloroform</b>	<b>45</b>	<b>NQ</b>	<b>6.8</b>	<b>35</b>	<b>Y</b>
<b>63-2013</b>	<b>25</b>	<b>TWF63-23-265656</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>71-55-6</b>	<b>Trichloroethane[1,1,1-]</b>	<b>14</b>	<b>J</b>	<b>7.6</b>	<b>39</b>	<b>Y</b>
<b>63-2013</b>	<b>25</b>	<b>TWF63-23-265656</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>75-71-8</b>	<b>Dichlorodifluoromethane</b>	<b>34</b>	<b>J</b>	<b>12</b>	<b>35</b>	<b>Y</b>
<b>63-2013</b>	<b>25</b>	<b>TWF63-23-265656</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>79-01-6</b>	<b>Trichloroethene</b>	<b>280</b>	<b>NQ</b>	<b>9.1</b>	<b>38</b>	<b>Y</b>
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	31	U	6.5	31	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	30	U	4.7	30	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	37	U	4.8	37	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	32	U	8.2	32	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	32	U	7.3	32	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	35	U	8.8	35	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	43	U	5.8	43	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	55	U	4.4	55	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	16	U	5.3	16	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	88	U	21	88	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	29	U	9.3	29	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	110	U	14	110	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	35	U	7.4	35	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	27	U	3.8	27	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	33	U	6.4	33	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	21	U	5.9	21	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	25	U	5.6	25	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	24	U	4.8	24	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	210	U	96	210	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	25	100	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	60	U	11	60	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	29	U	8.2	29	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	28	U	7.9	28	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	28	U	7.9	28	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	26	U	6.5	26	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	33	U	3.8	33	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	43	U	4.8	43	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	45	U	8.8	45	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	110	U	12	110	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	35	U	16	35	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	68	U	18	68	N
63-2013	25	TWF63-23-265656	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	88	U	18	88	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	35	U	8.8	35	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	90	U	18	90	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	41	U	14	41	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	51	U	6.0	51	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	300	U	170	300	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	33	U	5.2	33	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	45	U	11	45	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	37	U	3.7	37	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	37	U	3.8	37	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	33	U	5.2	33	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	33	U	6.9	33	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	4.7	32	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	39	U	5.1	39	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	8.6	34	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	7.3	34	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	37	U	9.3	37	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	45	U	6.0	45	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	58	U	4.6	58	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	5.5	17	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	90	U	23	90	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	30	U	9.7	30	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	100	U	15	100	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	37	U	7.4	37	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	28	U	4.1	28	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	35	U	6.4	35	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	6.2	22	N

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	26	U	5.6	26	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	26	U	5.2	26	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	100	200	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	26	100	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	64	U	12	64	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	31	U	8.6	31	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	30	U	8.3	30	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	30	U	8.3	30	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	6.8	27	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	4.1	35	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	45	U	5.1	45	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	100	U	12	100	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	37	U	17	37	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	72	U	20	72	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	93	U	19	93	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	70	U	7.8	70	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	2.7	24	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	100	U	38	100	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	60	U	23	60	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	80	U	15	80	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	8.2	19	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	100	U	16	100	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	90	U	12	90	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	77	U	10	77	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	50	U	9.4	50	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	30	U	6.5	30	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	30	U	6.3	30	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	42	U	9.0	42	N
63-2013	60	TWF63-23-265657	01/26/2023	02/15/2023	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	52	U	9.1	52	N
<b>63-2013</b>	<b>60</b>	<b>TWF63-23-265657</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>127-18-4</b>	<b>Tetrachloroethene</b>	<b>12</b>	<b>J</b>	<b>6.8</b>	<b>51</b>	<b>Y</b>
<b>63-2013</b>	<b>60</b>	<b>TWF63-23-265657</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>56-23-5</b>	<b>Carbon Tetrachloride</b>	<b>15</b>	<b>J</b>	<b>8.8</b>	<b>47</b>	<b>Y</b>
<b>63-2013</b>	<b>60</b>	<b>TWF63-23-265657</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>67-66-3</b>	<b>Chloroform</b>	<b>20</b>	<b>J</b>	<b>7.3</b>	<b>37</b>	<b>Y</b>
<b>63-2013</b>	<b>60</b>	<b>TWF63-23-265657</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>71-55-6</b>	<b>Trichloroethane[1,1,1-]</b>	<b>28</b>	<b>J</b>	<b>8.2</b>	<b>41</b>	<b>Y</b>
<b>63-2013</b>	<b>60</b>	<b>TWF63-23-265657</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>75-71-8</b>	<b>Dichlorodifluoromethane</b>	<b>50</b>	<b>J</b>	<b>12</b>	<b>37</b>	<b>Y</b>
<b>63-2013</b>	<b>60</b>	<b>TWF63-23-265657</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>76-13-1</b>	<b>Trichloro-1,2,2-trifluoroethane[1,1,2-]</b>	<b>11</b>	<b>J</b>	<b>8.4</b>	<b>57</b>	<b>Y</b>
<b>63-2013</b>	<b>60</b>	<b>TWF63-23-265657</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>REG</b>	<b>GAS</b>	<b>79-01-6</b>	<b>Trichloroethene</b>	<b>1000</b>	<b>NQ</b>	<b>9.7</b>	<b>40</b>	<b>Y</b>
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	100-41-4	Ethylbenzene	33	U	6.9	33	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	100-42-5	Styrene	32	U	4.7	32	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	100-44-7	Benzyl Chloride	39	U	5.1	39	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	8.6	34	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	7.3	34	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	103-65-1	Propylbenzene[1-]	37	U	9.3	37	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	106-46-7	Dichlorobenzene[1,4-]	45	U	6.0	45	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	106-93-4	Dibromoethane[1,2-]	58	U	4.6	58	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	106-99-0	Butadiene[1,3-]	17	U	5.5	17	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	107-05-1	Chloro-1-propene[3-]	90	U	23	90	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	107-06-2	Dichloroethane[1,2-]	30	U	9.7	30	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	108-10-1	Methyl-2-pentanone[4-]	100	U	15	100	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	108-67-8	Trimethylbenzene[1,3,5-]	37	U	7.4	37	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	108-88-3	Toluene	28	U	4.1	28	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	108-90-7	Chlorobenzene	35	U	6.4	35	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	109-99-9	Tetrahydrofuran	22	U	6.2	22	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	110-54-3	Hexane	26	U	5.6	26	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	110-82-7	Cyclohexane	26	U	5.2	26	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	100	200	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	123-91-1	Dioxane[1,4-]	100	U	26	100	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	124-48-1	Chlorodibromomethane	64	U	12	64	N



Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	127-18-4	Tetrachloroethene	51	U	6.8	51	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	142-82-5	n-Heptane	31	U	8.6	31	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	156-59-2	Dichloroethene[cis-1,2-]	30	U	8.3	30	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	156-60-5	Dichloroethene[trans-1,2-]	30	U	8.3	30	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	6.8	27	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	540-84-1	Isooctane	35	U	4.1	35	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	541-73-1	Dichlorobenzene[1,3-]	45	U	5.1	45	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	591-78-6	Hexanone[2-]	100	U	12	100	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	622-96-8	Ethyltoluene[4-]	37	U	17	37	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	64-17-5	Ethanol	72	U	20	72	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	67-63-0	Propanol[2-]	93	U	19	93	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	67-64-1	Acetone	70	U	7.8	70	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	71-43-2	Benzene	24	U	2.7	24	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	74-83-9	Bromomethane	100	U	38	100	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	74-87-3	Chloromethane	60	U	23	60	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	75-00-3	Chloroethane	80	U	15	80	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	75-01-4	Vinyl Chloride	19	U	8.2	19	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	75-09-2	Methylene Chloride	100	U	16	100	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	75-15-0	Carbon Disulfide	90	U	12	90	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	75-25-2	Bromoform	77	U	10	77	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	75-27-4	Bromodichloromethane	50	U	9.4	50	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	75-34-3	Dichloroethane[1,1-]	30	U	6.5	30	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	75-35-4	Dichloroethene[1,1-]	30	U	6.3	30	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	75-69-4	Trichlorofluoromethane	42	U	9.0	42	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	52	U	9.1	52	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	78-87-5	Dichloropropane[1,2-]	35	U	8.8	35	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	78-93-3	Butanone[2-]	90	U	18	90	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	79-00-5	Trichloroethane[1,1,2-]	41	U	14	41	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	51	U	6.0	51	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	87-68-3	Hexachlorobutadiene	300	U	170	300	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	95-47-6	Xylene[1,2-]	33	U	5.2	33	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	95-50-1	Dichlorobenzene[1,2-]	45	U	11	45	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	95-63-6	Trimethylbenzene[1,2,4-]	37	U	3.7	37	N
<b>63-2013</b>	<b>60</b>	<b>TWF63-23-265658</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>FD</b>	<b>GAS</b>	<b>56-23-5</b>	<b>Carbon Tetrachloride</b>	<b>18</b>	<b>J</b>	<b>8.8</b>	<b>47</b>	<b>Y</b>
<b>63-2013</b>	<b>60</b>	<b>TWF63-23-265658</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>FD</b>	<b>GAS</b>	<b>67-66-3</b>	<b>Chloroform</b>	<b>22</b>	<b>J</b>	<b>7.3</b>	<b>37</b>	<b>Y</b>
<b>63-2013</b>	<b>60</b>	<b>TWF63-23-265658</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>FD</b>	<b>GAS</b>	<b>71-55-6</b>	<b>Trichloroethane[1,1,1-]</b>	<b>25</b>	<b>J</b>	<b>8.2</b>	<b>41</b>	<b>Y</b>
<b>63-2013</b>	<b>60</b>	<b>TWF63-23-265658</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>FD</b>	<b>GAS</b>	<b>75-71-8</b>	<b>Dichlorodifluoromethane</b>	<b>64</b>	<b>J</b>	<b>12</b>	<b>37</b>	<b>Y</b>
<b>63-2013</b>	<b>60</b>	<b>TWF63-23-265658</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>FD</b>	<b>GAS</b>	<b>76-13-1</b>	<b>Trichloro-1,2,2-trifluoroethane[1,1,2-]</b>	<b>12</b>	<b>J</b>	<b>8.4</b>	<b>57</b>	<b>Y</b>
<b>63-2013</b>	<b>60</b>	<b>TWF63-23-265658</b>	<b>01/26/2023</b>	<b>02/15/2023</b>	<b>VOC</b>	<b>EPA:TO15</b>	<b>FD</b>	<b>GAS</b>	<b>79-01-6</b>	<b>Trichloroethene</b>	<b>1000</b>	<b>NQ</b>	<b>9.7</b>	<b>40</b>	<b>Y</b>
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	98-82-8	Isopropylbenzene	37	U	3.8	37	N
63-2013	60	TWF63-23-265658	01/26/2023	02/15/2023	VOC	EPA:TO15	FD	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	33	U	5.2	33	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	74-83-9	Bromomethane	100	U	33	100	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	74-87-3	Chloromethane	54	U	20	54	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	75-00-3	Chloroethane	69	U	13	69	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	75-01-4	Vinyl Chloride	17	U	7.2	17	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	75-09-2	Methylene Chloride	90	U	14	90	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	75-71-8	Dichlorodifluoromethane	33	UJ	11	33	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	75-15-0	Carbon Disulfide	81	U	11	81	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	75-25-2	Bromoform	68	U	9.3	68	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	75-27-4	Bromodichloromethane	44	U	8.0	44	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	75-34-3	Dichloroethane[1,1-]	27	U	5.7	27	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	100-41-4	Ethylbenzene	29	U	6.1	29	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	100-42-5	Styrene	28	U	4.3	28	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	100-44-7	Benzyl Chloride	34	U	4.4	34	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	10061-01-5	Dichloropropene[cis-1,3-]	30	U	7.3	30	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	10061-02-6	Dichloropropene[trans-1,3-]	30	U	6.4	30	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	103-65-1	Propylbenzene[1-]	32	U	8.4	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/m³)	Validation Qualifier	Report Method Detection Limit (µg/m³)	Report Detection Limit (µg/m³)	Detected
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	106-46-7	Dichlorobenzene[1,4-]	40	U	5.3	40	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	106-93-4	Dibromoethane[1,2-]	51	U	4.1	51	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	106-99-0	Butadiene[1,3-]	15	U	4.9	15	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	107-05-1	Chloro-1-propene[3-]	81	U	20	81	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	107-06-2	Dichloroethane[1,2-]	27	U	8.5	27	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	108-10-1	Methyl-2-pentanone[4-]	110	U	13	110	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	108-67-8	Trimethylbenzene[1,3,5-]	32	U	6.9	32	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	108-88-3	Toluene	25	U	3.6	25	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	108-90-7	Chlorobenzene	30	U	5.5	30	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	109-99-9	Tetrahydrofuran	19	U	5.6	19	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	110-54-3	Hexane	23	U	4.9	23	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	110-82-7	Cyclohexane	23	U	4.5	23	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	120-82-1	Trichlorobenzene[1,2,4-]	190	U	89	190	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	123-91-1	Dioxane[1,4-]	94	U	23	94	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	64-17-5	Ethanol	62	U	17	62	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	67-63-0	Propanol[2-]	81	U	17	81	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	67-64-1	Acetone	62	U	6.9	62	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	67-66-3	Chloroform	32	U	6.3	32	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	71-43-2	Benzene	21	U	2.4	21	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	71-55-6	Trichloroethane[1,1,1-]	36	U	7.1	36	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	124-48-1	Chlorodibromomethane	56	U	10	56	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	127-18-4	Tetrachloroethene	45	U	6.3	45	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	142-82-5	n-Heptane	27	U	7.8	27	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	156-59-2	Dichloroethene[cis-1,2-]	26	U	7.5	26	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	156-60-5	Dichloroethene[trans-1,2-]	26	U	7.1	26	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	1634-04-4	Methyl tert-Butyl Ether	24	U	6.1	24	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	540-84-1	Isooctane	31	U	3.5	31	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	541-73-1	Dichlorobenzene[1,3-]	40	U	4.5	40	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	56-23-5	Carbon Tetrachloride	41	U	8.2	41	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	591-78-6	Hexanone[2-]	110	U	11	110	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	622-96-8	Ethyltoluene[4-]	32	U	15	32	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	75-35-4	Dichloroethene[1,1-]	26	U	5.5	26	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	75-69-4	Trichlorofluoromethane	37	U	7.9	37	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	51	U	7.5	51	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	46	U	7.7	46	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	78-87-5	Dichloropropane[1,2-]	30	U	7.9	30	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	78-93-3	Butanone[2-]	77	U	15	77	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	79-00-5	Trichloroethane[1,1,2-]	36	U	12	36	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	79-01-6	Trichloroethene	35	U	8.6	35	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	45	U	5.3	45	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	87-68-3	Hexachlorobutadiene	280	U	150	280	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	95-47-6	Xylene[1,2-]	29	U	4.3	29	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	95-50-1	Dichlorobenzene[1,2-]	40	U	9.0	40	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	95-63-6	Trimethylbenzene[1,2,4-]	32	U	3.3	32	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	98-82-8	Isopropylbenzene	32	U	3.3	32	N
63-2013		TWF63-23-265659	01/26/2023	02/15/2023	VOC	EPA:TO15	FB	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	29	U	4.3	29	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

Table 3: Current and Previous Analytical Results for Eight Quarters

Well ID (Port(ft))	Constituent	Soil Gas Screening Level (µg/m³)	Q15		Q16		Q17		Q18		Q19		Q20		Q21		Q22	
			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	41	0.2	50	0.3	40	0.2	30	0.2	45	0.2	70	0.4	37	0.2	26	0.1
	Toluene	4.70E+07	-	-	-	-	-	-	-	-	-	-	-	-	3.5	<0.1	-	-
	Tetrachloroethylene	4.08E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,2-Dichloroethylene	5.85E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Acetone	2.73E+08	-	-	-	-	-	-	-	-	-	-	81	<0.1	-	-	-	-
	1,1,1-Trichloroethane	4.86E+07	-	-	-	-	3.8	<0.1	-	-	-	-	-	-	-	-	-	-
	1,1-Dichloroethane	1.73E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-Dichloroethylene	1.86E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	1.03E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Methylene chloride	5.34E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	1.08E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	m-Xylene	1.01E+06	-	-	-	-	10	<0.1	-	-	-	-	-	-	-	-	-	-
p-Xylene	9.77E+05	-	-	-	-	10	<0.1	-	-	-	-	-	-	-	-	-	-	
VMW-2 (5) 63-2010	Trichloroethylene	1.94E+04	100	0.5	70	0.4	100	0.5	86	0.4	97	0.5	81	0.4	100	0.5	75	0.4
	Dichlorodifluoromethane	1.03E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Acetone	2.73E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,1-Trichloroethane	4.86E+07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Toluene	4.70E+07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-3 (5) 63-2011	Trichloroethylene	1.94E+04	97	0.5	59	0.3	75	0.4	50	0.3	86	0.4	59	0.3	50	0.3	64	0.3
	Toluene	4.70E+07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Acetone	2.73E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	1.03E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-4 (25) 63-2012	Trichloroethylene	1.57E+05	2500	1.6	2100	1.3	2200	1.4	2200	1.4	2000	1.3	2000	1.3	2000	1.3	2400	1.5
	Tetrachloroethylene	2.63E+06	26	<0.1	37	<0.1	33	<0.1	30	<0.1	33	<0.1	24	<0.1	31	<0.1	31	<0.1
	Carbon tetrachloride	1.06E+05	35	0.1	40	<0.1	36	<0.1	40	<0.1	33	<0.1	32	<0.1	33	<0.1	47	<0.1
	Chloroform	2.30E+04	78	0.7	78	0.3	78	0.3	68	0.3	78	0.3	78	0.3	73	0.3	78	0.3
	Dichlorodifluoromethane	2.61E+06	59	<0.1	50	<0.1	54	<0.1	54	<0.1	54	<0.1	48	<0.1	44	<0.1	69	<0.1
	1,1,2-Trichloro-1,2,2-trifluoroethane	6.86E+08	-	-	-	-	-	-	-	-	-	-	-	-	15	<0.1	19	<0.1
VMW-4 (60) 63-2012	1,1,1-Trichloroethane	1.16E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichloroethylene	9.27E+04	7500	8.1	6400	6.9	6400	6.9	6400	6.9	5900	6.4	4100	4.4	5900	6.4	3100	3.3
	Tetrachloroethylene	2.05E+06	75	<0.1	75	<0.1	64	<0.1	70	<0.1	75	<0.1	33	<0.1	81	<0.1	37	<0.1
	cis-1,2-Dichloroethylene	2.91E+06	16	<0.1	18	<0.1	14	<0.1	14	<0.1	18	<0.1	-	-	15	<0.1	-	-
	Carbon tetrachloride	2.13E+05	88	<0.1	82	0.2	94	<0.1	100	<0.1	88	<0.1	60	<0.1	82	<0.1	45	<0.1
	Chloroform	4.44E+04	180	0.4	160	0.4	170	0.4	170	0.4	160	0.4	130	0.3	160	0.4	88	0.2
	1,1,1-Trichloroethane	2.34E+08	9.8	<0.1	8.7	<0.1	9.8	<0.1	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	5.38E+06	130	<0.1	130	<0.1	130	<0.1	120	<0.1	120	<0.1	89	<0.1	110	<0.1	69	<0.1
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.38E+09	27	<0.1	25	<0.1	24	<0.1	25	<0.1	28	<0.1	19	<0.1	31	<0.1	11	<0.1
	Toluene	2.14E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-5 (25) 63-2013	Acetone	1.02E+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorofluoromethane	3.01E+07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichloroethylene	1.57E+05	360	0.2	310	0.2	300	0.2	350	0.2	300	0.2	310	0.2	300	0.2	280	0.2
	Chloroform	2.30E+04	37	0.3	35	0.2	36	0.2	32	0.1	32	0.1	38	0.2	42	0.2	45	0.2
	1,1,1-Trichloroethane	1.16E+08	16	<0.1	17	<0.1	16	<0.1	12	<0.1	19	<0.1	13	<0.1	13	<0.1	14	<0.1
	Dichlorodifluoromethane	2.61E+06	38	<0.1	31	<0.1	39	<0.1	34	<0.1	31	<0.1	50	<0.1	31	<0.1	34	<0.1
	Tetrachloroethylene	2.63E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.8	<0.1
VMW-5 (60) 63-2013	Acetone	5.44E+08	-	-	-	-	-	-	-	-	-	-	62	<0.1	-	-	-	-
	Carbon tetrachloride	1.06E+05	-	-	-	-	-	-	-	-	-	-	-	-	14	<0.1	-	-
	Trichloroethylene	9.27E+04	1300	1.4	1200	1.3	1200	1.3	1200	1.3	1200	1.3	1200	1.3	1200	1.3	1000	1.1
	Tetrachloroethylene	2.05E+06	-	-	-	-	12	<0.1	-	-	-	-	-	-	-	-	12	<0.1
	Chloroform	4.44E+04	17	<0.1	21	<0.1	19	<0.1	16	<0.1	23	<0.1	21	<0.1	21	<0.1	20	<0.1
	1,1,1-Trichloroethane	2.34E+08	29	<0.1	36	<0.1	29	<0.1	35	<0.1	29	<0.1	31	<0.1	28	<0.1	28	<0.1
	Dichlorodifluoromethane	5.38E+06	54.0	<0.1	59.0	<0.1	59.0	<0.1	50.0	<0.1	54.0	<0.1	50.0	<0.1	54.0	<0.1	50.0	<0.1
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.38E+09	-	-	-	-	-	-	-	-	-	-	-	-	15	<0.1	11	<0.1
Toluene	2.14E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Carbon tetrachloride	2.13E+05	14	<0.1	15	<0.1	14	<0.1	14	<0.1	16	<0.1	14	<0.1	-	-	15	<0.1	
Acetone	1.02E+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Field Duplicates:																		
Well ID (Port(ft))	Constituent	Soil Gas Screening Level (µg/m³)	Q15		Q16		Q17		Q18		Q19		Q20		Q21		Q22	
			Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)	Result (µg/m³)	Percent of SGSL (%)
VMW-1 (5) 63-2009(FD)	Trichloroethylene	1.94E+04	-	-	-	-	-	-	37	0.2	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	1.03E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-3 (5) 63-2011(FD)	Trichloroethylene	1.94E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-4 (25) 63-2012(FD)	Trichloroethylene	1.57E+05	-	-	-	-	-	-	-	-	2000	1.3	-	-	-	-	-	-
	Tetrachloroethylene	2.63E+06	-	-	-	-	-	-	-	-	33	<0.1	-	-	-	-	-	-
	Carbon tetrachloride	1.06E+05	-	-	-	-	-	-	-	-	36	<0.1	-	-	-	-	-	-
	Chloroform	2.30E+04	-	-	-	-	-	-	-	-	73	0.3	-	-	-	-	-	-
	1,1,1-Trichloroethane	1.16E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	2.61E+06	-	-	-	-	-	-	-	-	54	<0.1	-	-	-	-	-	-
VMW-4 (60) 23-2012(FD)	Trichloroethylene	9.27E+04	-	-	-	-	-	-	-	-	-	-	4400	4.7	-	-	-	-
	Tetrachloroethylene	2.05E+06	-	-	-	-	-	-	-	-	-	-	45	<0.1	-	-	-	-
	cis-1,2-Dichloroethylene	2.91E+06	-	-	-	-	-	-	-	-	-	-	12	<0.1	-	-	-	-
	Carbon tetrachloride	2.13E+05	-	-	-	-	-	-	-	-	-	-	59	<0.1	-	-	-	-
	Chloroform	4.44E+04	-	-	-	-	-	-	-	-	-	-	140	0.3	-	-	-	-
	Dichlorodifluoromethane	5.38E+06	-	-	-	-	-	-	-	-	-	-	94	<0.1	-	-	-	-
	Acetone	1.02E+09	-	-	-	-	-	-	-	-	-	-	38	<0.1	-	-	-	-
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.38E+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-5 (25) 63-2013(FD)	Trichloroethylene	1.57E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethylene	2.63E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	2.30E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,1-Trichloroethane	1.16E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	2.61E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VMW-5 (60) 63-2013(FD)	Trichloroethylene	9.27E+04	1300	1.4	1200	1.3	1200	1.3	-	-	-	-	-	-	1200	1.3	1000	1.1
	Carbon tetrachloride	2.13E+05	14	<0.1	14	<0.1	15	<0.1	-	-	-	-	-	-	16	<0.1	18	<0.1
	1,1,1-Trichloroethane	2.34E+08	36	<0.1	30	<0.1	31	<0.1	-	-	-	-	-	-	28	<0.1	25	<0.1
	Dichlorodifluoromethane	5.38E+06	59	<0.1	54	<0.1	54	<0.1	-	-	-	-	-	-	54	<0.1	64	<0.1
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.38E+09	-	-	-	-	-	-	-	-	-	-	-	-	15	<0.1	12	<0.1
	Chloroform	4.44E+04	20	<0.1	19	<0.1	22	<0.1	-	-	-	-	-	-	21	<0.1	22	<0.1
	Methylethylketone (2-butanone)	2.27E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethylene	2.63E+06	-	-	14	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	4.12E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Table 4: Statistical Analyses

	VMW-1 5 ft ( $\mu\text{g}/\text{m}^3$ )	VMW-2 5 ft ( $\mu\text{g}/\text{m}^3$ )	VMW-3 5 ft ( $\mu\text{g}/\text{m}^3$ )	VMW-4 25 ft ( $\mu\text{g}/\text{m}^3$ )	VMW-4 60 ft ( $\mu\text{g}/\text{m}^3$ )	VMW-5 25 ft ( $\mu\text{g}/\text{m}^3$ )	VMW-5 60 ft ( $\mu\text{g}/\text{m}^3$ )
Quarter 1	64.4	134	69.8	3810	8060	483	1340
Quarter 2	31.1	80.6	64.4	2793	6982	258	1343
Quarter 3	48.3	129	96.7	3437	8593	414	1557
Quarter 4	53.7	85.9	59.1	2954	8056	344	1504
Quarter 5	43.5	107	75.2	2900	8056	365	1396
Quarter 6	36	113	85.9	2900	7520	360	1400
Quarter 7	44	118	107	2790	7520	360	1560
Quarter 8	59.1	102	85.9	3010	8590	424	1500
Quarter 9	40.3	96.7	64.4	2790	6980	338	1400
Quarter 10	41.9	102	75.2	2740	7520	392	1500
Quarter 11	41	97	97	2800	7500	380	1400
Quarter 12	59	86	75	2600	7500	390	1400
Quarter 13	44	130	86	2600	7500	400	1300
Quarter 14	43	97	75	2600	7000	360	1300
Quarter 15	41	100	97	2500	7500	360	1300
Quarter 16	50	70	59	2100	6400	310	1200
Quarter 17	40	100	75	2200	6400	300	1200
Quarter 18	30	86	50	2200	6400	350	1200
Quarter 19	45	97	86	2000	5900	300	1200
Quarter 20	70	81	59	2000	4100	310	1200
Quarter 21	37	100	50	2000	5900	300	1200
Quarter 22	26	75	64	2400	3100	280	1000
Mean (M)	44.9	99.4	75.3	2642.0	6958.0	353.5	1336.4
Standard Deviation (SD)[n - 1]	11.0	17.4	15.9	461.3	1333.0	52.8	142.9
Lower Limit (95% = M - 2 × SD)	23.0	64.7	43.4	1719.4	4292.1	247.9	1050.6
Upper Limit (95% = M + 2 × SD)	66.9	134.1	107.2	3564.6	9624.0	459.2	1622.2
Lower Limit (99% = M - 3 × SD)				1258.2		195.0	
Upper Limit (99% = M + 3 × SD)				4025.8		512.0	

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# SAMPLE COLLECTION LOGS

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**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 14969      EVENT NAME: CY 23 - January - Porgas Sampling - TWF - TA-63

SAMPLE ID: TWF63-23-265651

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		01/26/2023	FIELD MATRIX:	GAS	OK
TIME COLLECTED (HH:MM):		0958	MEDIA:	gas	
SWMU/AOC:		OK	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2009		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 <input checked="" type="checkbox"/>

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

SAMPLE COMMENTS: Port 1

LOCATION COMMENTS: Summa # 0195

FIELD PARAMETERS:

Sample Time 0958 HH:MM

CH<sub>4</sub> = 0 % CO<sub>2</sub> = 9400 ppm O<sub>2</sub> = 20.2 % VOC = 0.0 ppm

COLLECTED BY (PRINT): M. Shendo

RELINQUISHED BY (Printed Name) <i>M. Shendo</i> (Signature) <i>[Signature]</i>	Date/Time 01/26/23 1335	RECEIVED BY (Printed Name) <i>[Signature]</i> (Signature) <i>[Signature]</i>	Date/Time 1/26/23 1335
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: 12/21/2022

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 14969      EVENT NAME: CY 23 - January - Porgas Sampling - TWF - TA-63

SAMPLE ID: TWF63-23-285652

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		01/26/2023	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1023	MEDIA:	ggs	
SWMU/AOC:		ok	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2010		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
wt	TO15	6 Liter Summa Canister	1	NONE	y	6 Liter Summa

SAMPLE COMMENTS: Part 1

LOCATION COMMENTS: Summa # 05363

FIELD PARAMETERS:

Sample Time 1023 HH:MM

CH<sub>4</sub> = 0 % CO<sub>2</sub> = 5400 ppm O<sub>2</sub> = 20.7 % VOL = 0.0 ppm

COLLECTED BY (PRINT): m. shaw

RELINQUISHED BY (Printed Name) Melissa S. Shaw (Signature) <i>[Signature]</i>	Date/Time 01/26/2023 1335	RECEIVED BY (Printed Name) <i>[Signature]</i> (Signature)	Date/Time 1/26/23 1335
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: 12/21/2022

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 14969      EVENT NAME: CY 23 - January - Porgas Sampling - TWF - TA-63

SAMPLE ID: TWF63-23-265653

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		01/26/2023	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1043	MEDIA:	g+j	
SWMU/AOC:		ok	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2011		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 / <input checked="" type="radio"/> NA

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

SAMPLE COMMENTS: Port 7

LOCATION COMMENTS: Summa # 0 φ 025

FIELD PARAMETERS:

Sample Time 1043 HH:MM

CH<sub>4</sub> = 0 % CO<sub>2</sub> = 3800 ppm O<sub>2</sub> = 20.9 % VOL = 0.0 ppm

COLLECTED BY (PRINT): M. shenao

RELINQUISHED BY (Printed Name) <i>Melissa talking</i> (Signature) <i>[Signature]</i>	Date/Time 01/26/2023 1335	RECEIVED BY (Printed Name) <i>Melissa talking</i> (Signature) <i>[Signature]</i>	Date/Time 1/26/23 1335
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: 12/21/2022

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 14969      EVENT NAME: CY 23 - January - Porgas Sampling - TWF - TA-63

SAMPLE ID: TWF63-23-265654

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		01/26/23	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1133	MEDIA:	711	
SWMU/AOC:		ok	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2012		FIELD PREP:	NA	
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	
TOP DEPTH:	24 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	25 ft		EXCAVATED:		YES / NO / <u>NA</u>

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

SAMPLE COMMENTS: Part 1

LOCATION COMMENTS: Summa # 0425

FIELD PARAMETERS:

Sample Time 1133 HH:MM

CH<sub>4</sub> = 0 % CO<sub>2</sub> = 13400 ppm O<sub>2</sub> = 19.3 % VOL = 0.6 ppm

COLLECTED BY (PRINT): M. Shendo

RELINQUISHED BY (Printed Name) <i>Maria S. Shendo</i> (Signature) <i>[Signature]</i>	Date/Time 01/26/23 1335	RECEIVED BY (Printed Name) <i>Alise [Signature]</i> (Signature) <i>[Signature]</i>	Date/Time 1/26/23 1335
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: 12/21/2022

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 14969      EVENT NAME: CY 23 - January - Porgas Sampling - TWF - TA-63

SAMPLE ID: TWF63-23-265655

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		01/26/2023	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1151	MEDIA:	gas	
SWMU/AOC:		62c	SAMPLE TECH CCDE:	VOST	
LOCATION ID:	63-2012		FIELD PREP:	NA	
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	
TOP DEPTH:	59 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	60 ft		EXCAVATED:		YES / NO / <u>NA</u>

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

SAMPLE COMMENTS: Port 2

LOCATION COMMENTS: Summa # 2586

FIELD PARAMETERS:

Sample Time: 1151 HH:MM

CH<sub>4</sub> = 0 % CO<sub>2</sub> = 14400 ppm O<sub>2</sub> = 19.1 % Vol 1.6 ppm

COLLECTED BY (PRINT): M. Shendo

RELINQUISHED BY (Printed Name) (Signature)	Date/Time 01/26/2023 1735	RECEIVED BY (Printed Name) (Signature)	Date/Time 1/26/23 1335
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: 12/21/2022

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 14969      EVENT NAME: CY 23 - January - Porgas Sampling - TWF - TA-63

SAMPLE ID: TWF63-23-265656

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		01/26/2023	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1217	MEDIA:	gas	
SWMU/AOC:		ok	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2013		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:

Part 1

LOCATION COMMENTS:

Summa # 0265 0223

FIELD PARAMETERS:

Sample Time 1217 HH:MM

CH<sub>4</sub> = 0 % CO<sub>2</sub> = 35800 ppm O<sub>2</sub> = 17.8 % VOL = 0.2 ppm

COLLECTED BY (PRINT): M. Shendo

RELINQUISHED BY (Printed Name) <i>M. Shendo</i> (Signature) <i>[Signature]</i>	Date/Time 01/26/2023 1735	RECEIVED BY (Printed Name) <i>Alissa M...</i> (Signature) <i>[Signature]</i>	Date/Time 1/26/23 1335
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: 12/21/2022

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 14969      EVENT NAME: CY 23 - January - Porgas Sampling - TWF - TA-63

SAMPLE ID: TWF63-23-265657

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		01/26/2023	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1234	MEDIA:	gas	
SWMU/AOC:		ok	SAMPLE TECH CODE:	VOST	
LOCATION ID:	63-2013		FIELD PREP:	NA	
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	
TOP DEPTH:	59 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	60 ft		EXCAVATED:		YES / NO (NA)

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

SAMPLE COMMENTS: Port 2

LOCATION COMMENTS: Summa # 0265

FIELD PARAMETERS:

Sample Time 1234 HH:MM

CH<sub>4</sub> = 0 % CO<sub>2</sub> = 21800 ppm O<sub>2</sub> = 18.8 % Vol = 0.4 ppm

COLLECTED BY (PRINT): M. Shendo

RELINQUISHED BY (Printed Name) me. j. f. 12/21/22 (Signature)	Date/Time 01/26/23 1335	RECEIVED BY (Printed Name) Melissa M. [unclear] (Signature)	Date/Time 1/26/23 1335
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: 12/21/2022

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 14969      EVENT NAME: CY 23 - January - Porgas Sampling - TWF - TA-63

SAMPLE ID: TWF63-23-265658

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		01/26/2023	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1238	MEDIA:	gas	
SWMU/AOC:		ok	SAMPLE TECH CODE:	VOST	
LOCATION ID:	UNK	03-2013	FIELD PREP:	NA	
LOCATION TYPE:	BHover10ft	ok	FIELD QC TYPE:	FD	
TOP DEPTH:	ft	↓	SAMPLE USAGE:	QC	
BOTTOM DEPTH:	ft	↓	EXCAVATED:		YES / NO / <input checked="" type="radio"/> NA

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

SAMPLE COMMENTS:

Part 2

LOCATION COMMENTS:

Summa # 30844

FIELD PARAMETERS:

Sample Time 1238 HH:MM

CH<sub>4</sub> = 0 % CO<sub>2</sub> = 21800 ppm O<sub>2</sub> = 18.8 % VOL = 0.4 ppm

COLLECTED BY (PRINT): M. Sando

RELINQUISHED BY (Printed Name) me, 1113 Stettin (Signature) <i>[Signature]</i>	Date/Time 01/26/2023 1235	RECEIVED BY (Printed Name) Melissa Alvarado (Signature) <i>[Signature]</i>	Date/Time 1/26/23 1335
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: 12/21/2022



**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 14969      EVENT NAME: CY 23 - January - Porgas Sampling - TWF - TA-63

SAMPLE ID: TWF63-23-265659

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		01/26/2023	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		1303	MEDIA:	Nitrogen	
SWMU/AOC:		ok	SAMPLE TECH CODE:	VOST	
LOCATION ID:	UNK		FIELD PREP:	NA	
LOCATION TYPE:	BHover10ft.		FIELD QC TYPE:	FB	
TOP DEPTH:	ft		SAMPLE USAGE:	QC	
BOTTOM DEPTH:	ft		EXCAVATED:		YES / NO <u>NA</u>

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

SAMPLE COMMENTS: *QC Sample of TWF63-23-265657*

LOCATION COMMENTS: *Summa # N1879*

FIELD PARAMETERS:

Sample Time: *1303* HH:MM

*None*

COLLECTED BY (PRINT): *m. shendo*

RELINQUISHED BY (Printed Name) <i>mevija</i> (Signature) <i>[Signature]</i>	Date/Time <i>01/26/2023</i> <i>1335</i>	RECEIVED BY (Printed Name) <i>Melissa...</i> (Signature) <i>[Signature]</i>	Date/Time <i>1/26/23</i> <i>1335</i>
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: 12/21/2022