ESHID-603935

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Symbol: EPC-DO-25-374
Date: December 18, 2025
LA-UR: 25-31963

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

Subject: Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 4

Dear Mr. Nance:

The United States Department of Energy National Nuclear Security Administration, Los Alamos Field Office (NA-LA) and Triad National Security, LLC (Triad) submit the enclosed report titled, *Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 4,* in accordance with the Los Alamos National Laboratory (LANL) Hazardous Waste Facility Permit, EPA ID# NM0890010515 (the Permit) Part 3, Section 3.14.3 to the New Mexico Environment Department-Hazardous Waste Bureau (NMED-HWB).

The Permit requires that the soil vapor monitoring system at the LANL Technical Area 63 Transuranic Waste Facility be sampled and evaluated for designated volatile organic compounds quarterly to ensure the protection of environmental health and safety, including that of onsite workers. The enclosed report provides the results of calendar year 2025, Quarter 4 sampling conducted on October 29, 2025. The sampling results indicate that vapor concentrations at the site do not exceed the soil gas screening levels presented in the Permit.

The Permittees provided a 15-day notification for newly detected constituents on December 11, 2025 regarding styrene in vapor monitoring well 63-2013 (VMW-5), 25-foot port and styrene and ethylbenzene in the field duplicate for the 60-foot port of the same well.

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

If you have any questions or comments concerning this report, please contact Robert A. Gallegos (NA-LA) at (505) 901-3824 or by email at robert.gallegos@nnsa.doe.gov or Naveen Chennubhotla (Triad) at (505) 629-7401 or by email at naveenc@lanl.gov.

Sincerely,

STEVEN STORY (Affiliate)
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Steven L. Story
Division Leader
Environmental Protection and Compliance
Triad National Security, LLC

Sincerely,

ROBERT GALLEGOS
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Robert A. Gallegos
Program Manager
Environmental Permitting and Compliance Program
National Nuclear Security Administration
Los Alamos Field Office
U.S. Department of Energy

SLS/RAG

Enclosure: *Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 4*

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Received
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NMED Hazardous Waste Bureau

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

ENCLOSURE

Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 4

Date: December 18, 2025

EPC-DO-25-374
LA-UR-25-31963

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

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CERTIFICATION

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Certification

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

STEVEN STORY (Affiliate)
Digitally signed by STEVEN STORY (Affiliate)
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Steven L. Story
Division Leader
Environmental Protection and Compliance
Triad National Security, LLC

Date Signed

ROBERT GALLEGOS
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Robert A. Gallegos
Program Manager
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Date Signed

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Technical Area 63 Transuranic Waste Facility
Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 4

I Introduction

This report provides the calendar year (CY) 2025, Quarter 4, October (CY2025, Quarter 4) soil vapor sampling results from the Technical Area 63 (TA-63) Transuranic Waste Facility (TWF) soil vapor monitoring network at Los Alamos National Laboratory (LANL). Quarterly sampling is required by the LANL Hazardous Waste Facility Permit (Permit) Part 3, Section 3.14.3, *Subsurface Vapor Monitoring*.

Sampling and laboratory analytical results for CY2025, Quarter 4 confirm that volatile organic compound (VOC) concentrations in the soil gas at the site are stable. The VOC concentrations are well below the screening levels established by the Permit. The primary constituent of concern at the site is trichloroethylene (TCE).

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

II Background

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

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

III Soil Vapor Sampling

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

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

Road. The sampling ports for VMW-1, VMW-2, and VMW-3 are located at a 5-foot (ft) nominal depth below the concrete pad of the TWF permitted storage unit. Two vapor monitoring wells, VMW-4 (63-2012) and VMW-5 (63-2013), are located outside the permitted unit, across Puye Road to the north and approximately 400 feet from the boundary of MDA C. There are two sampling ports in both VMW-4 and VMW-5 at depths of 25 and 60 ft below the ground surface. Each vapor monitoring well and vapor monitoring port are sampled during quarterly sampling events, for a total of seven (7) vapor samples.

Field work for the CY2025, Quarter 4 sampling event occurred on October 29, 2025. Soil vapor gases were extracted from the monitoring well sample ports through stainless steel tubing into stainless steel SUMMA canisters and submitted for laboratory analysis of VOCs using the U.S. Environmental Protection Agency (EPA) TO-15 method as required by Permit Section 3.14.3. Prior to collecting the sample, pore gas was purged and field screened to measure concentrations of carbon dioxide, oxygen, and VOCs using a multi-gas monitor to ensure that the levels at each sampling port are stable at values that are representative of subsurface pore gas conditions. Field personnel collected a total of nine (9) samples, including one field duplicate from VMW-5, 60-ft port and one field blank sample. There were no variances in the sampling procedures from the Permit requirements. The field data forms are presented in the Sample Collection Log section of this report.

IV Analytical Results

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

Table 1, *Detected Volatile Organic Compounds at TA-63 Transuranic Waste Facility – CY2025 Quarter 4*, presents a summary of the laboratory analytical results for detected VOCs for this quarter. The table provides results for both non-qualified and estimated (J-qualified) detections. Each well port depth and constituent of concern have an associated SGSL, presented in Table 1, for comparison with the analytical results. Relative constituent concentrations are presented using a calculation of the analytical results as a percentage of the SGSLs.

LANL's Sample Management Office processes laboratory analytical data for quality assurance/quality control; these data are presented as an Excel file included on the disc submitted with this report. Results are also presented in Table 2, *Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2025 Quarter 4*. These data include all detect and non-detect analytical results.

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

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

Constituents of Concern

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

TCE is detected in all five of the vapor monitoring wells at all port depths. The detected concentrations are highest closer to MDA C. Vapor monitoring wells VMW-4 and VMW-5 are the closest vapor monitoring wells to MDA C. The TCE concentrations measured in VMW-4 are 1500 micrograms per cubic meter ($\mu g/m^3$) (1.0% of the SGSL) and 4200 $\mu g/m^3$ (4.5% of the SGSL) at the 25-ft and 60-ft port depths, respectively. The TCE concentrations measured in VMW-5 are 230 $\mu g/m^3$ (0.1% of the SGSL) and 910 $\mu g/m^3$ (1.0% of the SGSL) at the 25-ft and 60-ft port depths, respectively. Vapor monitoring wells VMW-1, VMW-2, and VMW-3 are closest to the TWF permitted unit and demonstrate TCE concentrations that are a fraction of a percent of the SGSL: 0.1%, 0.3%, and 0.2%, 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 88 $\mu g/m^3$ (0.4% of the SGSL) and 150 $\mu g/m^3$ (0.3% of the SGSL) in the 25-ft and 60-ft sampling ports, respectively. The concentrations of chloroform in vapor monitoring well VMW-5 are 50 $\mu g/m^3$ (0.2% of the SGSL) and 31 $\mu g/m^3$ (J-qualified or estimated) (<0.1% of the SGSL) in the 25-ft and 60-ft sampling ports, respectively. Chloroform is also inconsistently detected in vapor monitoring wells VMW-1 and VWM-2, 5-ft ports. Neither of the shallow wells indicate detections of chloroform this quarter.

Vapor monitoring wells VMW-4 and VMW-5 frequently demonstrate concentrations above the laboratory report detection limits for dichlorodifluoromethane, tetrachloroethylene, trichloro-1,2,2-trifluoroethane[1,1,2-], carbon tetrachloride, and trichloroethane[1,1,1-]. The concentrations for these VOCs, when detected, are very low at less than 0.1% of the relevant SGSLs. Dichlorodifluoromethane is irregularly detected in the 5-foot ports of VMW-1, VMW-2, and VMW-3. This quarter, dichlorodifluoromethane was not detected in VMW-1, VMW-2, or VMW-3.

Low levels of hydrocarbons—including xylenes, toluene, ethylbenzene, heptane, and hexane—have occasionally been detected in the vapor monitoring wells. These constituents are included in the Permit Tables, but results have consistently been well below their SGSLs and are typically estimated. Although m-xylene and p-xylene are listed separately in the Permit Tables, these constituents cannot be analyzed separately due to their close positioning in the gas chromatograph mass spectrum and are reported in the analytical results as m+p xylene. Since m-xylene and p-xylene concentrations cannot be separated out in the analytical results, the m+p xylene results, when detected, will be compared to the SGSL listed for xylenes (total) in the Permit Tables because the SGSL listed for xylenes (total) is more conservative than that for either m-xylene or p-xylene for all port depths. Analytical results for this quarter indicate the presence of ethylbenzene and styrene, as discussed in the next section.

Other constituents listed in the Permit Tables that have been infrequently detected in the vapor monitoring wells include 2-butanone (methyl ethyl ketone [MEK]) and carbon disulfide. Analytical results for this quarter do not indicate the presence of these constituents in any vapor monitoring wells.

Newly Detected and Additional Constituents

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

This quarter, newly detected VOCs were reported to the NMED-HWB on December 11, 2025. The newly detected constituents are styrene in VMW-5, 25-ft port and ethylbenzene and styrene in the 60-ft port field duplicate sample for the same well. The styrene detection in VMW-5, 25-ft port indicates a concentration of 40 $\mu g/m^3$ with a report detection limit of 34 $\mu g/m^3$. Last quarter, the VMW-4 60-ft port regular sample indicated the presence of styrene at 47 $\mu g/m^3$. This quarter, in the field duplicate sample for the VMW-5 60-ft port, styrene is present at 55 $\mu g/m^3$; the regular sample analytical results for the same port do not indicate the presence of styrene. The SGSL for styrene at 25-ft is 2.49E+07 $\mu g/m^3$ and at 60-ft it is 5.08E+07 $\mu g/m^3$; the detections from this quarter represent <0.1 percent of the corresponding SGSLs. Ethylbenzene is detected in the VMW-5 60-ft port field duplicate sample at a concentration of 41 $\mu g/m^3$ with a report detection limit of 35 $\mu g/m^3$; the regular sample analytical results for the same port do not indicate the presence of ethylbenzene. The SGSL for ethylbenzene at 60-ft is 5.40E+05 $\mu g/m^3$; the detection from this quarter represents <0.1 percent of the SGSL. Monitoring for newly detected constituents will continue.

Constituents that are not listed in the Permit Tables are occasionally detected and reported. These detects are discussed below. Since the constituents are not listed in the Permit Tables, they are not compared to a SGSL.

Ethanol has been intermittently detected at estimated (J-qualified) concentrations in all of vapor monitoring wells during previous sampling events. It has been previously detected in the 5-ft ports of VMW-1, VMW-2, and VMW-3 and in the 60-ft ports of VMW-4 and VMW-5. Ethanol is not listed in the Permit Tables; therefore, no SGSL is available for comparison. This quarter, ethanol was detected in the field duplicate sample for VMW-5, 60-ft port at a concentration of 26 $\mu g/m^3$ (J). Its presence will continue to be monitored as part of routine sampling.

Propanol[2-] (isopropyl alcohol) has also been detected at estimated (J-qualified) concentrations in VMW-1,VMW-3, VMW-4 in the 25-ft and 60-ft ports, and VMW-5 in the 60-ft port. Like ethanol, propanol[2-] is not listed in the Permit Tables, and no SGSL is available for comparison. This quarter, there are no detections of propanol[2-] in any of the vapor wells. The constituent will remain under routine monitoring.

Tetrahydrofuran has previously been detected in VMW-5 in the 25-ft port and in the 60-ft port field duplicate. The Permit Tables do not list tetrahydrofuran, so there is no associated SGSL for comparison. No detections occurred during the current sampling event.

VMW-4 and VMW-5 have shown infrequent detections of bromodichloromethane in previous sampling events. Bromodichloromethane is not a constituent of concern in the Permit Tables, so no SGSL is available for comparison. When detected, results have been estimated (J-qualified) and well below the report detection limit. This quarter, bromodichloromethane was not detected in the vapor monitoring wells.

V Statistics

Statistics that focus on TCE, which is the primary soil vapor constituent detected during the TWF operating period, are calculated to analyze constituent concentrations and potential data trends. Table 4, *Statistical Analyses of TCE Results*, presents the mean and standard deviation for the TCE concentrations

over time to determine whether the concentrations of TCE can be described statistically within a defined range.

The TCE analytical results for vapor monitoring wells VMW-1 through VMW-5 continue to demonstrate stable conditions with no significant deviations or anomalous spikes in concentration levels. The statistical and graphical evaluation of quarterly data from 2017 through 2025 Q4 supports this conclusion. Figure 2, *Data plots for TA-63 TWF soil vapor monitoring wells inside the permitted unit*, and Figure 3, *Data plots for TA-63 TWF soil vapor monitoring wells outside the permitted unit*, which display quarterly TCE concentrations for each well and port depth, depict trendlines that generally follow a flat or downward trajectory. This visual trend across all wells indicates consistent or slightly decreasing TCE levels over time. No upward trends or sudden increases in TCE concentrations have been observed and seasonal variability appears absent.

According to Table 4, all TCE measurements remain within three standard deviations of the mean for each well and sampling port, confirming that the data set is in statistical control. This suggests no unexpected variability and supports the interpretation that the TCE concentrations are stable and predictable over time. At all sampling depths, TCE concentrations are more than one order of magnitude below the respective SGSLs. For example, even the highest average concentration—6.6E+03 µg/m³ at the 60-foot port of VMW-4—is still well below the 9.3E+04 µg/m³ SGSL for that depth. The consistently low TCE concentrations, well below screening levels, further reinforce that current subsurface vapor conditions do not pose a risk to indoor air quality in nearby buildings.

VI References

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

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

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

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

LANL 2018c. "Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 4, Los Alamos National Laboratory EPA ID# NM0890010515," (EPC-DO:18-349) of September 26, 2018. Los Alamos National Laboratory, Los Alamos, New Mexico.

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.

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LANL 2019b. "Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 7, Los Alamos National Laboratory EPA ID# NM0890010515," (EPC-DO:19-203) of June 26, 2019. Los Alamos National Laboratory, Los Alamos, New Mexico.

LANL 2019c. "Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 8, Los Alamos National Laboratory EPA ID# NM0890010515," (EPC-DO:19-343) of September 30, 2019. Los Alamos National Laboratory, Los Alamos, New Mexico.

LANL 2020a. "Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 9, Los Alamos National Laboratory EPA ID# NM0890010515," (EPC-DO:19-467) of January 10, 2020. Los Alamos National Laboratory, Los Alamos, New Mexico.

LANL 2020c. "Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 10, Los Alamos National Laboratory EPA ID# NM0890010515," (EPC-DO:20-121) of March 30, 2020. Los Alamos National Laboratory, Los Alamos, New Mexico.

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

LANL 2020e. "Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 12, Los Alamos National Laboratory EPA ID# NM0890010515," (EPC-DO:20-302) of October 2, 2020. Los Alamos National Laboratory, Los Alamos, New Mexico.

LANL 2021a. "Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 13, Los Alamos National Laboratory EPA ID# NM0890010515," (EPC-DO:20-417) of January 11, 2021. Los Alamos National Laboratory, Los Alamos, New Mexico.

LANL 2021b. "Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 14, Los Alamos National Laboratory EPA ID# NM0890010515," (EPC-DO-21-135) of May 3, 2021. Los Alamos National Laboratory, Los Alamos, New Mexico.

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

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

LANL 2022a. "Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, November 2021 (Quarter 17) Los Alamos National Laboratory, EPA ID# NM0890010515," (EPC-DO-21-404) of January 3, 2022. Los Alamos National Laboratory, Los Alamos, New Mexico.

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

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

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

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

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

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

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

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

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

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

LANL 2024d. "Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2024, Quarter 4, October," (EPC-DO-24-346) of December 18, 2024. Los Alamos National Laboratory, New Mexico.

LANL 2025a. "Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 1," (EWP-25-007) of March 26, 2025. Los Alamos National Laboratory, New Mexico.

LANL 2025b. "Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 2," (EWP-25-019) of June 26, 2025. Los Alamos National Laboratory, New Mexico.

LANL 2025c. "Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 3," (EPC-DO-25-248) of September 26, 2025. Los Alamos National Laboratory, New Mexico.

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

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

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

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

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

FIGURES AND TABLES

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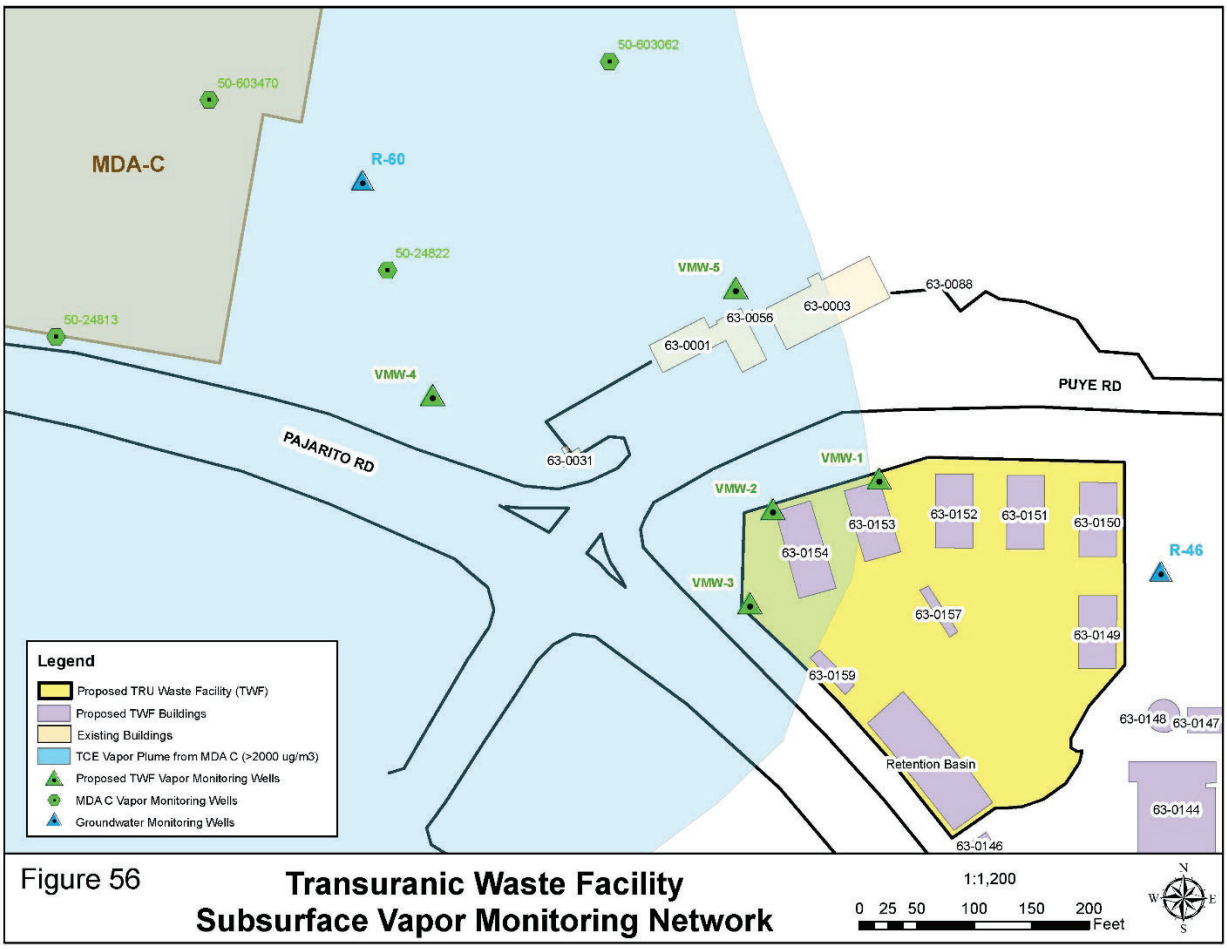
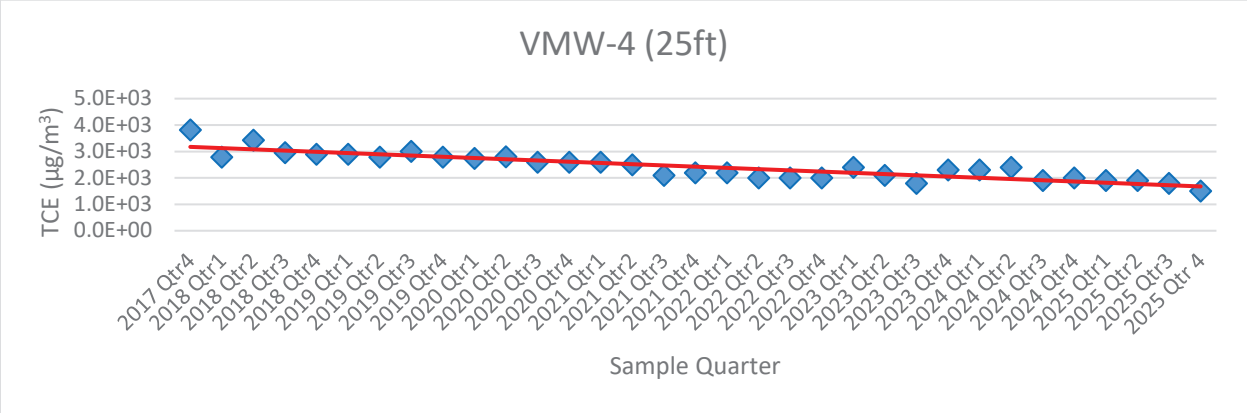
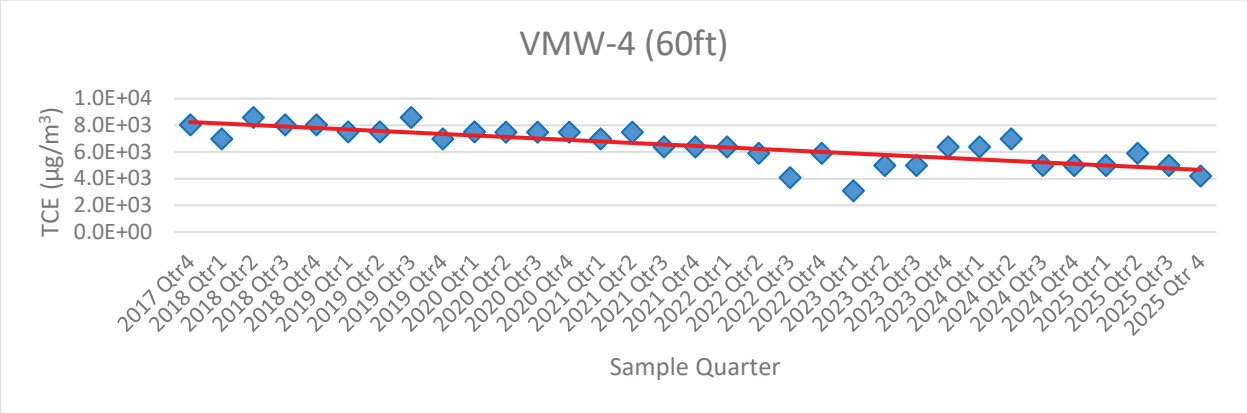
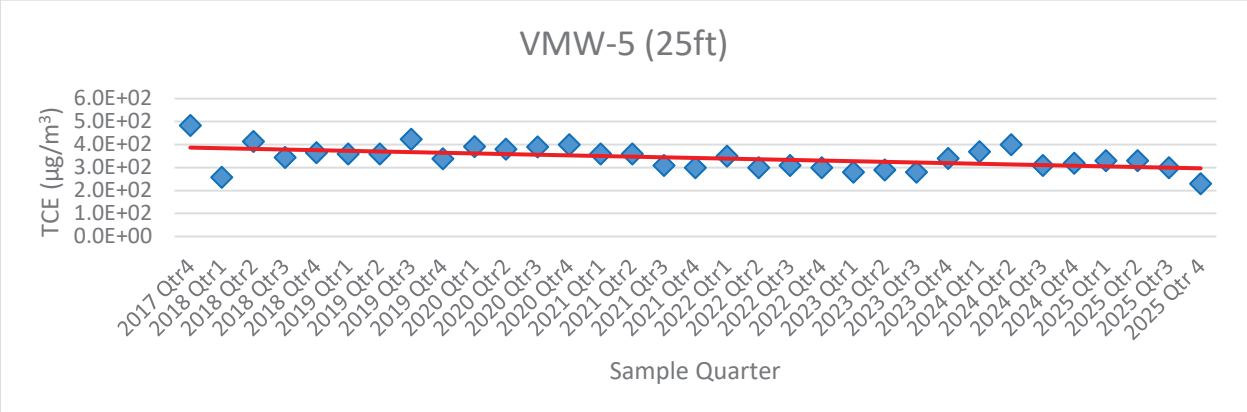


Figure 1. Soil vapor monitoring well locations at TA-63 TWF.

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







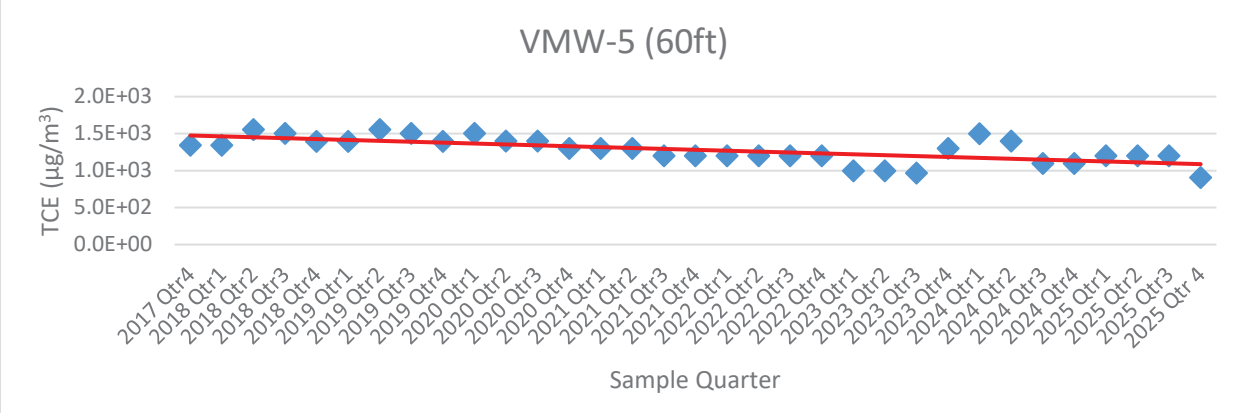


Figure 3. Data plots for TA-63 TWF soil vapor monitoring wells outside the permitted unit.

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Table 1. Detected Volatile Organic Compounds at TA-63 Transuranic Waste Facility – CY2025 Quarter 4

Well ID	Field Sample ID	Port Depth	Sample Purpose	Parameter Code/ CAS Number	Analyte Name	Analyte Listing in Permit	Report Result (µg/m3)	EPA Data Qualifier	Report Detection Limit (µg/m3)	SGSL (µg/m3)	% SGSL
63-2009	TWF63-26-377346	5	REG	79-01-6	Trichloroethene	Trichloroethylene	27	J	41	1.94E+04	0.1
63-2010	TWF63-26-377348	5	REG	79-01-6	Trichloroethene	Trichloroethylene	64	NQ	41	1.94E+04	0.3
63-2011	TWF63-26-377350	5	REG	79-01-6	Trichloroethene	Trichloroethylene	44	NQ	42	1.94E+04	0.2
63-2012	TWF63-26-377352	25	REG	56-23-5	Carbon Tetrachloride	Carbon tetrachloride	28	J	50	1.06E+05	<0.1
63-2012	TWF63-26-377352	25	REG	67-66-3	Chloroform	Chloroform	88	NQ	39	2.30E+04	0.4
63-2012	TWF63-26-377352	25	REG	75-71-8	Dichlorodifluoromethane	Dichlorodifluoromethane	36	J	39	2.61E+06	<0.1
63-2012	TWF63-26-377352	25	REG	79-01-6	Trichloroethene	Trichloroethylene	1500	NQ	42	1.57E+05	1.0
63-2012	TWF63-26-377353	60	REG	127-18-4	Tetrachloroethene	Tetrachloroethylene	44	J	52	2.05E+06	<0.1
63-2012	TWF63-26-377353	60	REG	156-59-2	Dichloroethene[cis-1,2-]	cis-1,2-Dichloroethylene	12	J	30	2.91E+06	<0.1
63-2012	TWF63-26-377353	60	REG	56-23-5	Carbon Tetrachloride	Carbon tetrachloride	82	NQ	48	2.13E+05	<0.1
63-2012	TWF63-26-377353	60	REG	67-66-3	Chloroform	Chloroform	150	NQ	37	4.44E+04	0.3
63-2012	TWF63-26-377353	60	REG	75-71-8	Dichlorodifluoromethane	Dichlorodifluoromethane	84	NQ	38	5.38E+06	<0.1
63-2012	TWF63-26-377353	60	REG	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	32	J	58	1.38E+09	<0.1
63-2012	TWF63-26-377353	60	REG	79-01-6	Trichloroethene	Trichloroethylene	4200	NQ	41	9.27E+04	4.5
63-2013	TWF63-26-377354	25	REG	100-42-5	Styrene	Styrene	40	NQ	34	2.49E+07	<0.1
63-2013	TWF63-26-377354	25	REG	67-66-3	Chloroform	Chloroform	50	NQ	39	2.30E+04	0.2
63-2013	TWF63-26-377354	25	REG	75-71-8	Dichlorodifluoromethane	Dichlorodifluoromethane	24	J	40	2.61E+06	<0.1
63-2013	TWF63-26-377354	25	REG	79-01-6	Trichloroethene	Trichloroethylene	230	NQ	43	1.57E+05	0.1
63-2013	TWF63-26-377355	60	REG	75-71-8	Dichlorodifluoromethane	Dichlorodifluoromethane	48	NQ	39	5.38E+06	<0.1
63-2013	TWF63-26-377355	60	REG	79-01-6	Trichloroethene	Trichloroethylene	910	NQ	42	9.27E+04	1.0
63-2013	TWF63-26-377355	60	REG	67-66-3	Chloroform	Chloroform	31	J	38	4.44E+04	<0.1
63-2013	TWF63-26-377355	60	REG	71-55-6	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	16	J	43	2.34E+08	<0.1
63-2013	TWF63-26-377356	60	FD	100-41-4	Ethylbenzene	Ethylbenzene	41	NQ	35	5.40E+05	<0.1
63-2013	TWF63-26-377356	60	FD	100-42-5	Styrene	Styrene	55	NQ	34	5.08E+07	<0.1
63-2013	TWF63-26-377356	60	FD	64-17-5	Ethanol	N/A	26	J	80	N/A	N/A
63-2013	TWF63-26-377356	60	FD	67-66-3	Chloroform	Chloroform	26	J	39	4.44E+04	<0.1
63-2013	TWF63-26-377356	60	FD	71-55-6	Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	19	J	44	2.34E+08	<0.1
63-2013	TWF63-26-377356	60	FD	75-71-8	Dichlorodifluoromethane	Dichlorodifluoromethane	50	NQ	40	5.38E+06	<0.1
63-2013	TWF63-26-377356	60	FD	79-01-6	Trichloroethene	Trichloroethylene	910	NQ	43	9.27E+04	1.0

Notes: EPA Data Qualifiers "J" indicates analytes that are detected but results are estimated as less than the report detection limit and "NQ" indicates analytes that are detected above the report detection limit with no data qualifiers

REG = regular sample

FD = field duplicate

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

N/A = not applicable

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Table 2. Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2025 Quarter 4

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	33	U	11	33	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	31	U	11	31	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	40	130	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	37	U	13	37	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	9.8	29	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	35	U	12	35	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	12	35	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	46	U	16	46	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	48	U	16	48	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	40	130	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	37	U	13	37	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	72	U	24	72	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	93	U	37	93	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	74	U	20	74	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	35	U	12	35	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	91	U	30	91	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	41	U	14	41	N
63-2009	**5**	**TWF63-26-377346**	**10/29/2025**	**11/20/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**27**	**J**	**14**	**41**	**Y**
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	52	U	18	52	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	58	U	20	58	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	8.4	17	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	97	U	30	97	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	11	32	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	39	U	13	39	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	12	34	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	12	34	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	37	U	13	37	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	46	U	16	46	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	7.7	22	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	13	27	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	26	U	8.9	26	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	230	U	70	230	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	110	U	40	110	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	65	U	22	65	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	52	U	26	52	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	31	U	16	31	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	30	U	10	30	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	30	U	10	30	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	9.4	27	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	37	U	13	37	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	8.3	24	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	41	U	14	41	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	40	120	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	64	U	20	64	N

Table 2. Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2025 Quarter 4

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	82	U	30	82	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	6.6	19	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	30	110	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	96	U	30	96	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	79	U	27	79	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	51	U	17	51	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	31	U	11	31	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	30	U	15	30	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	43	U	15	43	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	38	U	13	38	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	58	U	20	58	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	53	U	18	53	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	330	UJ	100	330	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	33	U	11	33	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	46	U	16	46	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	37	U	13	37	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	37	U	13	37	N
63-2009	5	TWF63-26-377346	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	33	U	11	33	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	60	U	20	60	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	80	U	30	80	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	6.6	19	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	100	U	30	100	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	90	U	30	90	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	79	U	27	79	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	51	U	17	51	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	31	U	11	31	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	33	U	11	33	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	11	32	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	39	U	13	39	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	30	U	15	30	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	43	U	15	43	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	38	U	13	38	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	58	U	20	58	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	53	U	18	53	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	35	U	12	35	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	30	U	10	30	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	30	U	10	30	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	12	34	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	12	34	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	37	U	13	37	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	46	U	16	46	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	58	U	20	58	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	33	U	11	33	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	90	U	30	90	N

Table 2. Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2025 Quarter 4

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	41	U	14	41	N
63-2010	**5**	**TWF63-26-377348**	**10/29/2025**	**11/20/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**64**	**NQ**	**14**	**41**	**Y**
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	52	U	18	52	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	300	UJ	100	300	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	33	U	11	33	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	46	U	16	46	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	37	U	13	37	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	37	U	13	37	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	8.4	17	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	90	U	30	90	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	31	U	11	31	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	100	U	40	100	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	37	U	13	37	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	9.8	29	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	35	U	12	35	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	9.4	27	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	12	35	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	46	U	16	46	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	48	U	16	48	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	100	U	40	100	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	37	U	13	37	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	72	U	23	72	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	93	U	37	93	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	70	U	20	70	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	37	U	13	37	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	8.3	24	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	41	U	14	41	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	100	U	40	100	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	7.7	22	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	13	27	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	26	U	8.9	26	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	70	200	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	40	100	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	65	U	22	65	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	52	U	26	52	N
63-2010	5	TWF63-26-377348	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	31	U	16	31	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	34	U	11	34	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	33	U	11	33	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	40	U	13	40	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	35	U	12	35	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	35	U	12	35	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	38	U	13	38	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	16	47	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	60	U	20	60	N

Table 2. Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2025 Quarter 4

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	82	U	30	82	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	6.6	20	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	30	110	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	96	U	30	96	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	81	U	27	81	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	52	U	17	52	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	11	32	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	8.6	17	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	97	U	30	97	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	11	32	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	40	130	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	38	U	13	38	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	9.8	29	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	36	U	12	36	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	23	U	7.7	23	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	14	27	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	27	U	8.9	27	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	230	U	70	230	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	28	U	9.4	28	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	36	U	12	36	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	16	47	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	49	U	16	49	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	40	130	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	110	U	40	110	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	66	U	22	66	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	53	U	26	53	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	32	U	16	32	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	10	31	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	10	31	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	38	U	13	38	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	73	U	24	73	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	96	U	39	96	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	74	U	20	74	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	67-66-3	Chloroform	38	U	13	38	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	25	U	8.3	25	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	43	U	14	43	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	40	120	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	64	U	20	64	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	31	U	15	31	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	44	U	15	44	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-71-8	Dichlorodifluoromethane	39	U	13	39	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	60	U	20	60	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	54	U	18	54	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	36	U	12	36	N

Table 2. Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2025 Quarter 4

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	91	U	30	91	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	14	43	N
63-2011	**5**	**TWF63-26-377350**	**10/29/2025**	**11/20/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**44**	**NQ**	**14**	**42**	**Y**
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	18	54	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	330	UJ	100	330	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	34	U	11	34	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	16	47	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	38	U	13	38	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	38	U	13	38	N
63-2011	5	TWF63-26-377350	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	11	34	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	34	U	12	34	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	34	U	11	34	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	41	U	14	41	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	36	U	12	36	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	36	U	12	36	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	39	U	13	39	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	16	47	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	61	U	21	61	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	8.8	17	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	100	U	30	100	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	11	32	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	40	130	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	39	U	13	39	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	30	U	10	30	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	36	U	12	36	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	23	U	8	23	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	28	U	14	28	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	27	U	9.3	27	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	70	240	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	120	U	40	120	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	67	U	23	67	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	54	U	27	54	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	32	U	16	32	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	11	31	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	11	31	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	28	U	9.7	28	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	37	U	13	37	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	16	47	N
63-2012	**25**	**TWF63-26-377352**	**10/29/2025**	**11/20/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**56-23-5**	**Carbon Tetrachloride**	**28**	**J**	**17**	**50**	**Y**
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	40	130	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	39	U	13	39	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	80	U	24	80	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	100	U	39	100	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	76	U	20	76	N

Table 2. Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2025 Quarter 4

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2012	**25**	**TWF63-26-377352**	**10/29/2025**	**11/20/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**67-66-3**	**Chloroform**	**88**	**NQ**	**13**	**39**	**Y**
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	25	U	8.6	25	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	43	U	15	43	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	40	120	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	66	U	20	66	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	84	U	30	84	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	6.9	20	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	30	110	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	100	U	30	100	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	82	U	28	82	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	53	U	18	53	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	11	32	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	31	U	16	31	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	44	U	15	44	N
63-2012	**25**	**TWF63-26-377352**	**10/29/2025**	**11/20/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**36**	**J**	**13**	**39**	**Y**
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	61	U	21	61	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	55	U	19	55	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	36	U	12	36	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	94	U	30	94	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	15	43	N
63-2012	**25**	**TWF63-26-377352**	**10/29/2025**	**11/20/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**1500**	**NQ**	**15**	**42**	**Y**
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	19	54	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	340	UJ	100	340	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	34	U	12	34	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	16	47	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	39	U	13	39	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	39	U	13	39	N
63-2012	25	TWF63-26-377352	10/29/2025	11/20/2025	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	12	34	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	33	U	11	33	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	32	U	11	32	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	39	U	13	39	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	12	34	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	12	34	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	37	U	13	37	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	46	U	16	46	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	58	U	20	58	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	8.4	17	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	90	U	30	90	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	31	U	11	31	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	100	U	40	100	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	37	U	13	37	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	9.8	29	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	35	U	12	35	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	22	U	7.7	22	N

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Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	13	27	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	26	U	8.9	26	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	70	200	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	100	U	40	100	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	65	U	22	65	N
63-2012	**60**	**TWF63-26-377353**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**127-18-4**	**Tetrachloroethene**	**44**	**J**	**26**	**52**	**Y**
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	31	U	16	31	N
63-2012	**60**	**TWF63-26-377353**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**156-59-2**	**Dichloroethene[cis-1,2-]**	**12**	**J**	**10**	**30**	**Y**
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	30	U	10	30	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	9.4	27	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	35	U	12	35	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	46	U	16	46	N
63-2012	**60**	**TWF63-26-377353**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**56-23-5**	**Carbon Tetrachloride**	**82**	**NQ**	**16**	**48**	**Y**
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	100	U	40	100	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	37	U	13	37	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	72	U	23	72	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	93	U	37	93	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	70	U	20	70	N
63-2012	**60**	**TWF63-26-377353**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**67-66-3**	**Chloroform**	**150**	**NQ**	**13**	**37**	**Y**
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	24	U	8.3	24	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	41	U	14	41	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	100	U	40	100	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	60	U	20	60	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	80	U	30	80	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	19	U	6.6	19	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	100	U	30	100	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	90	U	30	90	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	79	U	27	79	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	51	U	17	51	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	31	U	11	31	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	30	U	15	30	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	43	U	15	43	N
63-2012	**60**	**TWF63-26-377353**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**84**	**NQ**	**13**	**38**	**Y**
63-2012	**60**	**TWF63-26-377353**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**76-13-1**	**Trichloro-1,2,2-trifluoroethane[1,1,2-]**	**32**	**J**	**20**	**58**	**Y**
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	53	U	18	53	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	35	U	12	35	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	90	U	30	90	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	41	U	14	41	N
63-2012	**60**	**TWF63-26-377353**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**4200**	**NQ**	**14**	**41**	**Y**
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	52	U	18	52	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	300	U	100	300	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	33	U	11	33	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	46	U	16	46	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	37	U	13	37	N

Table 2. Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2025 Quarter 4

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	37	U	13	37	N
63-2012	60	TWF63-26-377353	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	33	U	11	33	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	35	U	12	35	N
63-2013	**25**	**TWF63-26-377354**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**100-42-5**	**Styrene**	**40**	**NQ**	**11**	**34**	**Y**
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	41	U	14	41	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	36	U	12	36	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	36	U	12	36	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	39	U	13	39	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	48	U	16	48	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	61	U	21	61	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	18	U	8.8	18	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	100	U	34	100	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	11	32	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	45	130	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	39	U	13	39	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	30	U	10	30	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	37	U	12	37	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	24	U	8	24	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	28	U	14	28	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	28	U	9.3	28	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	82	240	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	120	U	40	120	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	68	U	23	68	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	54	U	27	54	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	33	U	16	33	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	32	U	11	32	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	32	U	11	32	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	29	U	9.7	29	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	37	U	13	37	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	48	U	16	48	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	50	U	17	50	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	45	130	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	39	U	13	39	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	80	U	24	80	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	100	U	39	100	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	76	U	26	76	N
63-2013	**25**	**TWF63-26-377354**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**67-66-3**	**Chloroform**	**50**	**NQ**	**13**	**39**	**Y**
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	26	U	8.6	26	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	71-55-6	Trichloroethane[1,1,1-]	44	U	15	44	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	43	120	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	66	U	23	66	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	84	U	29	84	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	6.9	20	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	38	110	N

Table 2. Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2025 Quarter 4

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	100	U	34	100	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	83	U	28	83	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	54	U	18	54	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	11	32	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	32	U	16	32	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	45	U	15	45	N
63-2013	**25**	**TWF63-26-377354**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**24**	**J**	**13**	**40**	**Y**
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	61	U	21	61	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	56	U	19	56	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	37	U	12	37	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	94	U	32	94	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	44	U	15	44	N
63-2013	**25**	**TWF63-26-377354**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**230**	**NQ**	**15**	**43**	**Y**
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	55	U	19	55	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	340	U	120	340	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	35	U	12	35	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	48	U	16	48	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	39	U	13	39	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	39	U	13	39	N
63-2013	25	TWF63-26-377354	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	35	U	12	35	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	100-41-4	Ethylbenzene	34	U	12	34	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	100-42-5	Styrene	33	U	11	33	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	100-44-7	Benzyl Chloride	40	U	14	40	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	40	130	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	108-67-8	Trimethylbenzene[1,3,5-]	38	U	13	38	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	108-88-3	Toluene	29	U	10	29	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	108-90-7	Chlorobenzene	36	U	12	36	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	109-99-9	Tetrahydrofuran	23	U	8	23	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	110-54-3	Hexane	27	U	14	27	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	156-60-5	Dichloroethene[trans-1,2-]	31	U	11	31	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	1634-04-4	Methyl tert-Butyl Ether	28	U	9.7	28	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	540-84-1	Isooctane	36	U	13	36	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	541-73-1	Dichlorobenzene[1,3-]	47	U	16	47	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	56-23-5	Carbon Tetrachloride	49	U	17	49	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	74-83-9	Bromomethane	120	U	40	120	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	74-87-3	Chloromethane	64	U	20	64	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-00-3	Chloroethane	82	U	30	82	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-01-4	Vinyl Chloride	20	U	6.9	20	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-09-2	Methylene Chloride	110	U	30	110	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-15-0	Carbon Disulfide	96	U	30	96	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-25-2	Bromoform	81	U	28	81	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-27-4	Bromodichloromethane	52	U	18	52	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-34-3	Dichloroethane[1,1-]	32	U	11	32	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-35-4	Dichloroethene[1,1-]	31	U	15	31	N

Table 2. Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2025 Quarter 4

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result ($\mu g/m^3$)	Validation Qualifier	Report Method Detection Limit ($\mu g/m^3$)	Report Detection Limit ($\mu g/m^3$)	Detected
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	75-69-4	Trichlorofluoromethane	44	U	15	44	N
63-2013	**60**	**TWF63-26-377355**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**48**	**NQ**	**13**	**39**	**Y**
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	60	U	21	60	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	54	U	19	54	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	78-87-5	Dichloropropane[1,2-]	36	U	12	36	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	78-93-3	Butanone[2-]	91	U	30	91	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	79-00-5	Trichloroethane[1,1,2-]	43	U	15	43	N
63-2013	**60**	**TWF63-26-377355**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**79-01-6**	**Trichloroethene**	**910**	**NQ**	**15**	**42**	**Y**
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	54	U	19	54	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	87-68-3	Hexachlorobutadiene	330	U	100	330	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	10061-01-5	Dichloropropene[cis-1,3-]	35	U	12	35	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	10061-02-6	Dichloropropene[trans-1,3-]	35	U	12	35	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	103-65-1	Propylbenzene[1-]	38	U	13	38	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	106-46-7	Dichlorobenzene[1,4-]	47	U	16	47	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	106-93-4	Dibromoethane[1,2-]	60	U	21	60	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	106-99-0	Butadiene[1,3-]	17	U	8.6	17	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	107-05-1	Chloro-1-propene[3-]	97	U	30	97	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	107-06-2	Dichloroethane[1,2-]	32	U	11	32	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	110-82-7	Cyclohexane	27	U	9.3	27	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	120-82-1	Trichlorobenzene[1,2,4-]	230	U	70	230	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	123-91-1	Dioxane[1,4-]	110	U	40	110	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	124-48-1	Chlorodibromomethane	66	U	23	66	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	127-18-4	Tetrachloroethene	53	U	26	53	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	142-82-5	n-Heptane	32	U	16	32	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	156-59-2	Dichloroethene[cis-1,2-]	31	U	11	31	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	591-78-6	Hexanone[2-]	130	U	40	130	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	622-96-8	Ethyltoluene[4-]	38	U	13	38	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	64-17-5	Ethanol	73	U	24	73	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	67-63-0	Propanol[2-]	96	U	39	96	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	67-64-1	Acetone	74	U	20	74	N
63-2013	**60**	**TWF63-26-377355**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**67-66-3**	**Chloroform**	**31**	**J**	**13**	**38**	**Y**
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	71-43-2	Benzene	25	U	8.6	25	N
63-2013	**60**	**TWF63-26-377355**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**REG**	**GAS**	**71-55-6**	**Trichloroethane[1,1,1-]**	**16**	**J**	**15**	**43**	**Y**
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	95-47-6	Xylene[1,2-]	34	U	12	34	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	95-50-1	Dichlorobenzene[1,2-]	47	U	16	47	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	95-63-6	Trimethylbenzene[1,2,4-]	38	U	13	38	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	98-82-8	Isopropylbenzene	38	U	13	38	N
63-2013	60	TWF63-26-377355	10/29/2025	11/21/2025	VOC	EPA:TO15	REG	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	34	U	12	34	N
63-2013	**60**	**TWF63-26-377356**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**100-41-4**	**Ethylbenzene**	**41**	**NQ**	**12**	**35**	**Y**
63-2013	**60**	**TWF63-26-377356**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**100-42-5**	**Styrene**	**55**	**NQ**	**11**	**34**	**Y**
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	100-44-7	Benzyl Chloride	41	U	14	41	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	10061-01-5	Dichloropropene[cis-1,3-]	36	U	12	36	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	10061-02-6	Dichloropropene[trans-1,3-]	36	U	12	36	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	103-65-1	Propylbenzene[1-]	39	U	13	39	N

Table 2. Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2025 Quarter 4

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	106-46-7	Dichlorobenzene[1,4-]	48	U	16	48	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	106-93-4	Dibromoethane[1,2-]	61	U	21	61	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	106-99-0	Butadiene[1,3-]	18	U	8.8	18	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	107-05-1	Chloro-1-propene[3-]	100	U	34	100	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	107-06-2	Dichloroethane[1,2-]	32	U	11	32	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	108-10-1	Methyl-2-pentanone[4-]	130	U	45	130	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	108-67-8	Trimethylbenzene[1,3,5-]	39	U	13	39	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	108-88-3	Toluene	30	U	10	30	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	108-90-7	Chlorobenzene	37	U	12	37	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	109-99-9	Tetrahydrofuran	24	U	8	24	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	110-54-3	Hexane	28	U	14	28	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	110-82-7	Cyclohexane	28	U	9.3	28	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	120-82-1	Trichlorobenzene[1,2,4-]	240	U	82	240	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	123-91-1	Dioxane[1,4-]	120	U	40	120	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	124-48-1	Chlorodibromomethane	68	U	23	68	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	127-18-4	Tetrachloroethene	54	U	27	54	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	142-82-5	n-Heptane	33	U	16	33	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	156-59-2	Dichloroethene[cis-1,2-]	32	U	11	32	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	156-60-5	Dichloroethene[trans-1,2-]	32	U	11	32	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	1634-04-4	Methyl tert-Butyl Ether	29	U	9.7	29	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	540-84-1	Isooctane	37	U	13	37	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	541-73-1	Dichlorobenzene[1,3-]	48	U	16	48	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	56-23-5	Carbon Tetrachloride	50	U	17	50	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	591-78-6	Hexanone[2-]	130	U	45	130	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	622-96-8	Ethyltoluene[4-]	39	U	13	39	N
63-2013	**60**	**TWF63-26-377356**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**64-17-5**	**Ethanol**	**26**	**J**	**24**	**80**	**Y**
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	67-63-0	Propanol[2-]	100	U	39	100	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	67-64-1	Acetone	76	U	26	76	N
63-2013	**60**	**TWF63-26-377356**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**67-66-3**	**Chloroform**	**26**	**J**	**13**	**39**	**Y**
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	71-43-2	Benzene	26	U	8.6	26	N
63-2013	**60**	**TWF63-26-377356**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**71-55-6**	**Trichloroethane[1,1,1-]**	**19**	**J**	**15**	**44**	**Y**
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	74-83-9	Bromomethane	120	U	43	120	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	74-87-3	Chloromethane	66	U	23	66	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	75-00-3	Chloroethane	84	U	29	84	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	75-01-4	Vinyl Chloride	20	U	6.9	20	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	75-09-2	Methylene Chloride	110	U	38	110	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	75-15-0	Carbon Disulfide	100	U	34	100	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	75-25-2	Bromoform	83	U	28	83	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	75-27-4	Bromodichloromethane	54	U	18	54	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	75-34-3	Dichloroethane[1,1-]	32	U	11	32	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	75-35-4	Dichloroethene[1,1-]	32	U	16	32	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	75-69-4	Trichlorofluoromethane	45	U	15	45	N
63-2013	**60**	**TWF63-26-377356**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**75-71-8**	**Dichlorodifluoromethane**	**50**	**NQ**	**13**	**40**	**Y**
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	61	U	21	61	N

Table 2. Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2025 Quarter 4

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	56	U	19	56	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	78-87-5	Dichloropropane[1,2-]	37	U	12	37	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	78-93-3	Butanone[2-]	94	U	32	94	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	79-00-5	Trichloroethane[1,1,2-]	44	U	15	44	N
63-2013	**60**	**TWF63-26-377356**	**10/29/2025**	**11/21/2025**	**VOC**	**EPA:TO15**	**FD**	**GAS**	**79-01-6**	**Trichloroethene**	**910**	**NQ**	**15**	**43**	**Y**
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	55	U	19	55	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	87-68-3	Hexachlorobutadiene	340	U	120	340	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	95-47-6	Xylene[1,2-]	35	U	12	35	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	95-50-1	Dichlorobenzene[1,2-]	48	U	16	48	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	95-63-6	Trimethylbenzene[1,2,4-]	39	U	13	39	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	98-82-8	Isopropylbenzene	39	U	13	39	N
63-2013	60	TWF63-26-377356	10/29/2025	11/21/2025	VOC	EPA:TO15	FD	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	35	U	12	35	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	100-41-4	Ethylbenzene	32	U	11	32	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	100-42-5	Styrene	32	U	11	32	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	100-44-7	Benzyl Chloride	38	U	13	38	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	10061-01-5	Dichloropropene[cis-1,3-]	34	U	11	34	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	10061-02-6	Dichloropropene[trans-1,3-]	34	U	11	34	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	103-65-1	Propylbenzene[1-]	36	U	12	36	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	106-46-7	Dichlorobenzene[1,4-]	44	U	15	44	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	106-93-4	Dibromoethane[1,2-]	57	U	19	57	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	106-99-0	Butadiene[1,3-]	16	U	8.2	16	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	107-05-1	Chloro-1-propene[3-]	90	U	31	90	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	107-06-2	Dichloroethane[1,2-]	30	U	10	30	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	108-10-1	Methyl-2-pentanone[4-]	100	U	41	100	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	108-67-8	Trimethylbenzene[1,3,5-]	36	U	12	36	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	108-88-3	Toluene	28	U	9.4	28	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	108-90-7	Chlorobenzene	34	U	12	34	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	109-99-9	Tetrahydrofuran	22	U	7.4	22	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	110-54-3	Hexane	26	U	13	26	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	110-82-7	Cyclohexane	25	U	8.6	25	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	120-82-1	Trichlorobenzene[1,2,4-]	200	U	73	200	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	123-91-1	Dioxane[1,4-]	100	U	36	100	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	124-48-1	Chlorodibromomethane	63	U	21	63	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	127-18-4	Tetrachloroethene	50	U	25	50	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	142-82-5	n-Heptane	30	U	15	30	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	156-59-2	Dichloroethene[cis-1,2-]	29	U	9.9	29	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	156-60-5	Dichloroethene[trans-1,2-]	29	U	9.9	29	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	1634-04-4	Methyl tert-Butyl Ether	27	U	9	27	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	540-84-1	Isooctane	35	U	12	35	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	541-73-1	Dichlorobenzene[1,3-]	44	U	15	44	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	56-23-5	Carbon Tetrachloride	47	U	16	47	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	591-78-6	Hexanone[2-]	100	U	41	100	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	622-96-8	Ethyltoluene[4-]	36	U	12	36	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	64-17-5	Ethanol	70	U	23	70	N

Table 2. Volatile Organic Compound Analytical Results for Soil Vapor Monitoring Wells at TA-63 Transuranic Waste Facility – CY2025 Quarter 4

Location ID	Port Depth (ft)	Field Sample ID	Sample Date	Analysis Date	Method Category	Lab Method	Sample Purpose	Sample Type	Parameter Code	Parameter Name	Report Result (µg/m^3)	Validation Qualifier	Report Method Detection Limit (µg/m^3)	Report Detection Limit (µg/m^3)	Detected
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	67-63-0	Propanol[2-]	91	U	37	91	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	67-64-1	Acetone	70	U	24	70	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	67-66-3	Chloroform	36	U	12	36	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	71-43-2	Benzene	24	U	8	24	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	71-55-6	Trichloroethane[1,1,1-]	40	U	14	40	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	74-83-9	Bromomethane	100	U	38	100	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	74-87-3	Chloromethane	60	U	20	60	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	75-00-3	Chloroethane	80	U	26	80	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	75-01-4	Vinyl Chloride	19	U	6.4	19	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	75-09-2	Methylene Chloride	100	U	34	100	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	75-15-0	Carbon Disulfide	90	U	31	90	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	75-25-2	Bromoform	76	U	26	76	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	75-27-4	Bromodichloromethane	50	U	17	50	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	75-34-3	Dichloroethane[1,1-]	30	U	10	30	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	75-35-4	Dichloroethene[1,1-]	29	U	15	29	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	75-69-4	Trichlorofluoromethane	42	U	14	42	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	75-71-8	Dichlorodifluoromethane	37	U	12	37	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	57	U	19	57	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	76-14-2	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	52	U	17	52	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	78-87-5	Dichloropropane[1,2-]	34	U	12	34	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	78-93-3	Butanone[2-]	90	U	29	90	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	79-00-5	Trichloroethane[1,1,2-]	40	U	14	40	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	79-01-6	Trichloroethene	40	U	13	40	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	79-34-5	Tetrachloroethane[1,1,2,2-]	51	U	17	51	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	87-68-3	Hexachlorobutadiene	300	U	110	300	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	95-47-6	Xylene[1,2-]	32	U	11	32	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	95-50-1	Dichlorobenzene[1,2-]	44	U	15	44	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	95-63-6	Trimethylbenzene[1,2,4-]	36	U	12	36	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	98-82-8	Isopropylbenzene	36	U	12	36	N
UNK	60	TWF63-26-377357	10/29/2025	11/21/2025	VOC	EPA:TO15	FB	GAS	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	32	U	11	32	N

Table 3. Current and Previous Analytical Results for Eight Quarters

Well ID	Port Depth	Constituent	CAS Number	Soil Gas Screening Level (SGSL)	Sample Date and Quarter													
					1/31/2024 Qtr1 Report Result	%SGSL	4/30/2024 Qtr2 Report Result	%SGSL	7/31/2024 Qtr3 Report Result	%SGSL	10/30/2024 Qtr4 Report Result	%SGSL	1/29/2025 Qtr1 Report Result	%SGSL	4/30/2025 Qtr2 Report Result	%SGSL	7/30/2025 Qtr3 Report Result	%SGSL
63-2009	5	Acetone	67-64-1	2.73E+08	-	-	-	-	1.20E+01	0.0	-	-	-	-	-	-	-	-
63-2009	5	Chloroform	67-66-3	1.08E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2009	5	Dichlorodifluoromethane	75-71-8	1.03E+06	5.40E+00	0.0	4.90E+00	0.0	-	-	-	-	-	-	-	-	-	-
63-2009	5	Dichloroethane[1,1-]	75-34-3	1.73E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2009	5	Dichloroethene[1,1-]	75-35-4	1.86E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2009	5	Dichloroethene[cis-1,2-]	156-59-2	5.85E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2009	5	Ethanol	64-17-5	N/A	-	-	3.40E+01	N/A	-	-	-	-	-	-	-	-	-	-
63-2009	5	Propanol[2-]	67-63-0	N/A	-	-	-	-	-	-	-	-	-	-	-	-	9.60E+00	N/A
63-2009	5	Tetrachloroethene	127-18-4	4.08E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2009	5	Toluene	108-88-3	4.70E+07	2.40E+00	0.0	3.80E+00	0.0	-	-	6.00E+00	0.0	-	-	-	-	-	-
63-2009	5	Trichloroethane[1,1,1-]	71-55-6	4.86E+07	9.80E+00	0.0	-	-	-	-	-	-	-	-	-	-	-	-
63-2009	5	Trichloroethene	79-01-6	1.94E+04	4.70E+01	0.2	4.60E+01	0.2	4.40E+01	0.2	4.30E+01	0.2	3.30E+01	0.2	3.40E+01	0.2	4.70E+01	0.2
63-2009	5	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	9.73E+05	-	-	-	-	-	-	7.40E+00	0.0	-	-	-	-	-	-
63-2010	5	Acetone	67-64-1	2.73E+08	-	-	-	-	-	-	-	-	-	-	-	-	2.00E+01	0.0
63-2010	5	Chloroform	67-66-3	1.08E+04	4.10E+00	0.0	4.10E+00	0.0	-	-	5.40E+00	0.1	-	-	-	-	-	-
63-2010	5	Dichlorodifluoromethane	75-71-8	1.03E+06	5.90E+00	0.0	5.90E+00	0.0	-	-	7.90E+00	0.0	-	-	-	-	-	-
63-2010	5	Ethanol	64-17-5	N/A	-	-	4.00E+01	N/A	-	-	-	-	-	-	-	-	-	-
63-2010	5	Toluene	108-88-3	4.70E+07	-	-	4.50E+00	0.0	-	-	-	-	-	-	-	-	-	-
63-2010	5	Trichloroethane[1,1,1-]	71-55-6	4.86E+07	4.60E+00	0.0	-	-	-	-	-	-	-	-	-	-	-	-
63-2010	5	Trichloroethene	79-01-6	1.94E+04	1.00E+02	0.5	1.10E+02	0.6	7.50E+01	0.4	9.10E+01	0.5	1.00E+02	0.5	9.70E+01	0.5	7.00E+01	0.4
63-2011	5	Acetone	67-64-1	2.73E+08	-	-	-	-	-	-	-	-	-	-	5.50E+00	0.0	-	-
63-2011	5	Dichlorodifluoromethane	75-71-8	1.03E+06	4.30E+00	0.0	6.40E+00	0.0	-	-	-	-	-	-	-	-	-	-
63-2011	5	Ethanol	64-17-5	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2011	5	Propanol[2-]	67-63-0	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2011	5	Toluene	108-88-3	4.70E+07	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2011	5	Trichloroethene	79-01-6	1.94E+04	7.50E+01	0.4	8.10E+01	0.4	5.30E+01	0.3	6.40E+01	0.3	5.90E+01	0.3	7.50E+01	0.4	6.40E+01	0.3
63-2012	25	Acetone	67-64-1	5.44E+08	-	-	-	-	-	-	-	-	-	-	6.60E+00	0.0	1.60E+01	0.0
63-2012	25	Bromodichloromethane	75-27-4	N/A	4.50E+00	N/A	5.00E+00	N/A	-	-	-	-	-	-	-	-	-	-
63-2012	25	Carbon Tetrachloride	56-23-5	1.06E+05	3.10E+01	0.0	3.60E+01	0.0	3.50E+01	0.0	3.40E+01	0.0	3.60E+01	0.0	3.10E+01	0.0	3.30E+01	0.0
63-2012	25	Chloroform	67-66-3	2.30E+04	7.80E+01	0.3	7.80E+01	0.3	7.80E+01	0.3	8.30E+01	0.4	7.80E+01	0.3	8.80E+01	0.4	1.00E+02	0.4
63-2012	25	Dichlorodifluoromethane	75-71-8	2.61E+06	4.40E+01	0.0	4.80E+01	0.0	4.50E+01	0.0	5.40E+01	0.0	5.40E+01	0.0	5.40E+01	0.0	4.50E+01	0.0
63-2012	25	Propanol[2-]	67-63-0	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	25	Tetrachloroethene	127-18-4	2.63E+06	3.00E+01	0.0	3.10E+01	0.0	2.40E+01	0.0	2.90E+01	0.0	3.10E+01	0.0	1.60E+01	0.0	2.50E+01	0.0
63-2012	25	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	6.86E+08	1.00E+01	0.0	1.20E+01	0.0	-	-	1.50E+01	0.0	-	-	-	-	-	-
63-2012	25	Trichloroethane[1,1,1-]	71-55-6	1.16E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	25	Trichloroethene	79-01-6	1.57E+05	2.30E+03	1.5	2.40E+03	1.5	1.90E+03	1.2	2.00E+03	1.3	1.90E+03	1.2	1.90E+03	1.2	1.80E+03	1.1
63-2012	60	Acetone	67-64-1	1.02E+09	-	-	-	-	-	-	-	-	-	-	-	-	1.90E+01	0.0
63-2012	60	Bromodichloromethane	75-27-4	N/A	5.90E+00	N/A	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	60	Carbon Tetrachloride	56-23-5	2.13E+05	7.50E+01	0.0	8.80E+01	0.0	8.20E+01	0.0	8.80E+01	0.0	8.20E+01	0.0	8.80E+01	0.0	9.40E+01	0.0
63-2012	60	Chloroform	67-66-3	4.44E+04	1.60E+02	0.4	1.70E+02	0.4	1.60E+02	0.4	1.70E+02	0.4	1.70E+02	0.4	1.80E+02	0.4	1.80E+02	0.4
63-2012	60	Dichlorodifluoromethane	75-71-8	5.38E+06	1.00E+02	0.0	1.10E+02	0.0	1.10E+02	0.0	1.10E+02	0.0	1.20E+02	0.0	1.20E+02	0.0	1.10E+02	0.0
63-2012	60	Dichloroethene[cis-1,2-]	156-59-2	2.91E+06	1.30E+01	0.0	1.30E+01	0.0	1.40E+01	0.0	1.70E+01	0.0	1.10E+01	0.0	1.70E+01	0.0	-	-
63-2012	60	Dioxane[1,4-]	123-91-1	N/A	-	-	-	-	-	-	-	-	-	-	-	-	3.10E+01	N/A
63-2012	60	Ethanol	64-17-5	N/A	-	-	-	-	-	-	-	-	-	-	-	-	2.60E+01	N/A

Table 3. Current and Previous Analytical Results for Eight Quarters

Well ID	Port Depth	Constituent	CAS Number	Soil Gas Screening Level (SGSL)	Sample Date and Quarter: 1/31/2024 Qtr1 Report Result	%SGSL	4/30/2024 Qtr2 Report Result	%SGSL	7/31/2024 Qtr3 Report Result	%SGSL	10/30/2024 Qtr4 Report Result	%SGSL	1/29/2025 Qtr1 Report Result	%SGSL	4/30/2025 Qtr2 Report Result	%SGSL	7/30/2025 Qtr3 Report Result	%SGSL
63-2012	60	Ethylbenzene	100-41-4	5.40E+05	-	-	-	-	-	-	-	-	-	-	-	-	2.80E+01	0.0
63-2012	60	Hexane	110-54-3	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	60	n-Heptane	142-82-5	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	60	Propanol[2-]	67-63-0	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	60	Styrene	100-42-5	5.08E+07	-	-	-	-	-	-	-	-	-	-	-	-	4.70E+01	0.0
63-2012	60	Tetrachloroethene	127-18-4	2.05E+06	6.00E+01	0.0	7.50E+01	0.0	7.00E+01	0.0	6.10E+01	0.0	7.50E+01	0.0	6.60E+01	0.0	5.90E+01	0.0
63-2012	60	Toluene	108-88-3	2.14E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	60	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	1.38E+09	2.30E+01	0.0	2.80E+01	0.0	2.40E+01	0.0	3.90E+01	0.0	2.80E+01	0.0	2.50E+01	0.0	2.80E+01	0.0
63-2012	60	Trichloroethane[1,1,1-]	71-55-6	2.34E+08	9.30E+00	0.0	7.60E+00	0.0	8.70E+00	0.0	-	-	9.80E+00	0.0	-	-	-	-
63-2012	60	Trichloroethene	79-01-6	9.27E+04	6.40E+03	6.9	7.00E+03	7.6	5.00E+03	5.4	5.00E+03	5.4	5.00E+03	5.4	5.90E+03	6.4	5.00E+03	5.4
63-2012	60	Trichlorofluoromethane	75-69-4	3.01E+07	5.60E+00	0.0	5.30E+00	0.0	5.10E+00	0.0	5.40E+00	0.0	5.10E+00	0.0	-	-	-	-
63-2013	25	Acetone	67-64-1	5.44E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	25	Bromodichloromethane	75-27-4	N/A	-	-	-	-	6.60E+00	N/A	1.10E+01	N/A	6.40E+00	N/A	8.70E+00	N/A	-	-
63-2013	25	Carbon Tetrachloride	56-23-5	1.06E+05	4.00E+00	0.0	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	25	Chloroform	67-66-3	2.30E+04	4.70E+01	0.2	5.90E+01	0.3	5.40E+01	0.2	5.90E+01	0.3	5.90E+01	0.3	5.90E+01	0.3	1.26E+02	0.5
63-2013	25	Dichlorodifluoromethane	75-71-8	2.61E+06	2.90E+01	0.0	3.10E+01	0.0	2.70E+01	0.0	3.00E+01	0.0	4.00E+01	0.0	2.90E+01	0.0	6.20E+01	0.0
63-2013	25	Styrene	100-42-5	2.49E+07	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	25	Tetrachloroethene	127-18-4	2.63E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	25	Tetrahydrofuran	109-99-9	N/A	-	-	-	-	-	-	-	-	1.10E+01	N/A	-	-	-	-
63-2013	25	Trichloroethane[1,1,1-]	71-55-6	1.16E+08	1.40E+01	0.0	1.40E+01	0.0	1.20E+01	0.0	1.30E+01	0.0	1.50E+01	0.0	1.00E+01	0.0	-	-
63-2013	25	Trichloroethene	79-01-6	1.57E+05	3.70E+02	0.2	4.00E+02	0.3	3.10E+02	0.2	3.20E+02	0.2	3.30E+02	0.2	3.30E+02	0.2	6.00E+02	0.4
63-2013	60	Acetone	67-64-1	1.02E+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	60	Carbon Tetrachloride	56-23-5	2.13E+05	1.60E+01	0.0	1.60E+01	0.0	1.40E+01	0.0	1.80E+01	0.0	8.80E+00	0.0	1.60E+01	0.0	1.80E+01	0.0
63-2013	60	Chloroform	67-66-3	4.44E+04	2.50E+01	0.1	2.50E+01	0.1	2.40E+01	0.1	2.80E+01	0.1	2.80E+01	0.1	3.00E+01	0.1	3.00E+01	0.1
63-2013	60	Chloromethane	74-87-3	2.80E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	60	Dichlorodifluoromethane	75-71-8	5.38E+06	4.90E+01	0.0	5.00E+01	0.0	5.00E+01	0.0	5.90E+01	0.0	5.90E+01	0.0	5.40E+01	0.0	5.40E+01	0.0
63-2013	60	Ethanol	64-17-5	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	60	Propanol[2-]	67-63-0	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	60	Tetrachloroethene	127-18-4	2.05E+06	1.30E+01	0.0	1.30E+01	0.0	8.80E+00	0.0	8.80E+00	0.0	1.00E+01	0.0	1.20E+01	0.0	-	-
63-2013	60	Toluene	108-88-3	2.14E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	60	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	1.38E+09	1.30E+01	0.0	1.30E+01	0.0	-	-	1.40E+01	0.0	1.10E+01	0.0	9.20E+00	0.0	-	-
63-2013	60	Trichloroethane[1,1,1-]	71-55-6	2.34E+08	2.60E+01	0.0	2.50E+01	0.0	2.70E+01	0.0	2.80E+01	0.0	2.70E+01	0.0	2.60E+01	0.0	2.70E+01	0.0
63-2013	60	Trichloroethene	79-01-6	9.27E+04	1.50E+03	1.6	1.40E+03	1.5	1.10E+03	1.2	1.10E+03	1.2	1.20E+03	1.3	1.20E+03	1.3	1.20E+03	1.3
Field Duplicate Sample Date and Quarter																		
63-2009	5	Dichlorodifluoromethane	75-71-8	1.03E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2009	5	Propanol[2-]	67-63-0	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2009	5	Trichloroethene	79-01-6	1.94E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2011	5	Trichloroethene	79-01-6	1.94E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	25	Carbon Tetrachloride	56-23-5	1.06E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	25	Chloroform	67-66-3	2.30E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	25	Dichlorodifluoromethane	75-71-8	2.61E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	25	Tetrachloroethene	127-18-4	2.63E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	25	Trichloroethane[1,1,1-]	71-55-6	1.16E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	25	Trichloroethene	79-01-6	1.57E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3. Current and Previous Analytical Results for Eight Quarters

Well ID	Port Depth	Constituent	CAS Number	Soil Gas Screening Level (SGSL)	Sample Date and Quarter													
					1/31/2024 Qtr1 Report Result	%SGSL	4/30/2024 Qtr2 Report Result	%SGSL	7/31/2024 Qtr3 Report Result	%SGSL	10/30/2024 Qtr4 Report Result	%SGSL	1/29/2025 Qtr1 Report Result	%SGSL	4/30/2025 Qtr2 Report Result	%SGSL	7/30/2025 Qtr3 Report Result	%SGSL
63-2012	60	Acetone	67-64-1	1.02E+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	60	Carbon Tetrachloride	56-23-5	2.13E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	60	Chloroform	67-66-3	4.44E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	60	Dichlorodifluoromethane	75-71-8	5.38E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	60	Dichloroethene[cis-1,2-]	156-59-2	2.91E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	60	Tetrachloroethene	127-18-4	2.05E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	60	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	1.38E+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2012	60	Trichloroethene	79-01-6	9.27E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	25	Chloroform	67-66-3	2.30E+04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	25	Dichlorodifluoromethane	75-71-8	2.61E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	25	Tetrachloroethene	127-18-4	2.63E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	25	Trichloroethane[1,1,1-]	71-55-6	1.16E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	25	Trichloroethene	79-01-6	1.57E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	60	Butanone[2-]	78-93-3	2.27E+08	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	60	Carbon Disulfide	75-15-0	2.59E+07	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	60	Carbon Tetrachloride	56-23-5	2.13E+05	1.50E+01	0.0	1.60E+01	0.0	1.60E+01	0.0	1.60E+01	0.0	1.30E+01	0.0	1.60E+01	0.0	3.60E+01	0.0
63-2013	60	Chloroform	67-66-3	4.44E+04	2.30E+01	0.1	2.50E+01	0.1	2.40E+01	0.1	2.80E+01	0.1	2.60E+01	0.1	2.90E+01	0.1	5.60E+01	0.1
63-2013	60	Dichlorodifluoromethane	75-71-8	5.38E+06	4.60E+01	0.0	4.90E+01	0.0	5.00E+01	0.0	5.40E+01	0.0	5.40E+01	0.0	5.90E+01	0.0	1.00E+02	0.0
63-2013	60	Ethanol	64-17-5	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	60	Ethylbenzene	100-41-4	5.40E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	60	Propanol[2-]	67-63-0	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	60	Styrene	100-42-5	5.08E+07	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	60	Tetrachloroethene	127-18-4	2.05E+06	-	-	1.30E+01	0.0	-	-	8.10E+00	0.0	1.10E+01	0.0	8.80E+00	0.0	-	-
63-2013	60	Tetrahydrofuran	109-99-9	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	60	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	1.38E+09	1.20E+01	0.0	1.40E+01	0.0	1.30E+01	0.0	1.50E+01	0.0	-	-	1.00E+01	0.0	-	-
63-2013	60	Trichloroethane[1,1,1-]	71-55-6	2.34E+08	2.50E+01	0.0	2.60E+01	0.0	2.00E+01	0.0	2.30E+01	0.0	2.30E+01	0.0	2.70E+01	0.0	5.40E+01	0.0
63-2013	60	Trichloroethene	79-01-6	9.27E+04	1.30E+03	1.4	1.40E+03	1.5	1.10E+03	1.2	1.10E+03	1.2	1.20E+03	1.3	1.20E+03	1.3	2.40E+03	2.6
63-2013	60	Trimethylbenzene[1,2,4-]	95-63-6	4.12E+05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63-2013	60	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	4.69E+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: FD = Field Duplicate

"-" = Non-Detect

N/A = Not applicable

SGSL = Soil Gas Screening Level

Where there is a Report Result and the %SGSL notes 0.00, this indicates that the percentage is <0.1.

Xylenes [1,3-] and [1,4-] (meta- and para-xylene) overlap in the gas chromatography mass spectrum and cannot be distinguished as individual compounds. For this reason, comparing the combined m+p xylene results to the total xylene soil gas screening level (SGSL) provides the most conservative evaluation.

Table 4. Statistical Analyses of TCE results

Year and Quarter	VMW-1 5ft ($\mu g/m^3$)	VMW-2 5ft ($\mu g/m^3$)	VMW-3 5ft ($\mu g/m^3$)	VMW-4 25ft ($\mu g/m^3$)	VMW-4 60ft ($\mu g/m^3$)	VMW-5 25ft ($\mu g/m^3$)	VMW-5 60ft ($\mu g/m^3$)
2017 Qtr4	6.4E+01	1.3E+02	7.0E+01	3.8E+03	8.1E+03	4.8E+02	1.3E+03
2018 Qtr1	3.1E+01	8.1E+01	6.4E+01	2.8E+03	7.0E+03	2.6E+02	1.3E+03
2018 Qtr2	4.8E+01	1.3E+02	9.7E+01	3.4E+03	8.6E+03	4.1E+02	1.6E+03
2018 Qtr3	5.4E+01	8.6E+01	5.9E+01	3.0E+03	8.1E+03	3.4E+02	1.5E+03
2018 Qtr4	4.4E+01	1.1E+02	7.5E+01	2.9E+03	8.1E+03	3.7E+02	1.4E+03
2019 Qtr1	3.6E+01	1.1E+02	8.6E+01	2.9E+03	7.5E+03	3.6E+02	1.4E+03
2019 Qtr2	4.4E+01	1.2E+02	1.1E+02	2.8E+03	7.5E+03	3.6E+02	1.6E+03
2019 Qtr3	5.9E+01	1.0E+02	8.6E+01	3.0E+03	8.6E+03	4.2E+02	1.5E+03
2019 Qtr4	4.0E+01	9.7E+01	6.4E+01	2.8E+03	7.0E+03	3.4E+02	1.4E+03
2020 Qtr1	4.2E+01	1.0E+02	7.5E+01	2.7E+03	7.5E+03	3.9E+02	1.5E+03
2020 Qtr2	4.1E+01	9.7E+01	9.7E+01	2.8E+03	7.5E+03	3.8E+02	1.4E+03
2020 Qtr3	5.9E+01	8.6E+01	7.5E+01	2.6E+03	7.5E+03	3.9E+02	1.4E+03
2020 Qtr4	4.4E+01	1.3E+02	8.6E+01	2.6E+03	7.5E+03	4.0E+02	1.3E+03
2021 Qtr1	4.3E+01	9.7E+01	7.5E+01	2.6E+03	7.0E+03	3.6E+02	1.3E+03
2021 Qtr2	4.1E+01	1.0E+02	9.7E+01	2.5E+03	7.5E+03	3.6E+02	1.3E+03
2021 Qtr3	5.0E+01	7.0E+01	5.9E+01	2.1E+03	6.4E+03	3.1E+02	1.2E+03
2021 Qtr4	4.0E+01	1.0E+02	7.5E+01	2.2E+03	6.4E+03	3.0E+02	1.2E+03
2022 Qtr1	3.0E+01	8.6E+01	5.0E+01	2.2E+03	6.4E+03	3.5E+02	1.2E+03
2022 Qtr2	4.5E+01	9.7E+01	8.6E+01	2.0E+03	5.9E+03	3.0E+02	1.2E+03
2022 Qtr3	7.0E+01	8.1E+01	5.9E+01	2.0E+03	4.1E+03	3.1E+02	1.2E+03
2022 Qtr4	3.7E+01	1.0E+02	5.0E+01	2.0E+03	5.9E+03	3.0E+02	1.2E+03
2023 Qtr1	2.6E+01	7.5E+01	6.4E+01	2.4E+03	3.1E+03	2.8E+02	1.0E+03
2023 Qtr2	4.1E+01	1.0E+02	7.0E+01	2.1E+03	5.0E+03	2.9E+02	1.0E+03
2023 Qtr3	4.6E+01	5.9E+01	5.9E+01	1.8E+03	5.0E+03	2.8E+02	9.7E+02
2023 Qtr4	4.1E+01	1.0E+02	9.1E+01	2.3E+03	6.4E+03	3.4E+02	1.3E+03
2024 Qtr1	4.7E+01	1.0E+02	7.5E+01	2.3E+03	6.4E+03	3.7E+02	1.5E+03
2024 Qtr2	4.6E+01	1.1E+02	8.1E+01	2.4E+03	7.0E+03	4.0E+02	1.4E+03
2024 Qtr3	4.4E+01	7.5E+01	5.3E+01	1.9E+03	5.0E+03	3.1E+02	1.1E+03
2024 Qtr4	4.3E+01	9.1E+01	6.4E+01	2.0E+03	5.0E+03	3.2E+02	1.1E+03
2025 Qtr1	3.3E+01	1.0E+02	5.9E+01	1.9E+03	5.0E+03	3.3E+02	1.2E+03
2025 Qtr2	3.4E+01	9.7E+01	7.5E+01	1.9E+03	5.9E+03	3.3E+02	1.2E+03
2025 Qtr3	4.7E+01	7.0E+01	6.4E+01	1.8E+03	5.0E+03	3.0E+02	1.2E+03
2025 Qtr 4	2.7E+01	6.4E+01	4.4E+01	1.5E+03	4.2E+03	2.3E+02	9.1E+02
Mean (M)	4.4E+01	9.7E+01	7.4E+01	2.5E+03	6.6E+03	3.5E+02	1.3E+03
Deviation (SD)[n−1]	9.5E+00	1.7E+01	1.5E+01	4.7E+02	1.3E+03	4.9E+01	1.6E+02
2SD Lower Limit (M−2SD)	2.5E+01	6.4E+01	4.4E+01	1.5E+03	3.9E+03	2.5E+02	9.7E+02
2SD Upper Limit (M+2SD)	6.3E+01	1.3E+02	1.0E+02	3.4E+03	9.2E+03	4.4E+02	1.6E+03
3SD Lower Limit (M−3SD)	1.5E+01	4.7E+01	2.9E+01	1.1E+03	2.6E+03	2.0E+02	8.1E+02
3SD Upper Limit(M+3SD)	7.3E+01	1.5E+02	1.2E+02	3.9E+03	1.1E+04	4.9E+02	1.8E+03

SAMPLE COLLECTION LOGS

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Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 17331 **EVENT NAME:** FY26 - Poregas Sampling - October - TA-63-TWF

SAMPLE ID: TWF63-26-377346 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/29/2025	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		0924	MEDIA:		GAS
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	ok
LOCATION ID:	63-2009	ok	FIELD PREP:		NA
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	ok
TOP DEPTH:	6.5 ft		SAMPLE USAGE:	INV	↓
BOTTOM DEPTH:	7.5 ft	↓	EXCAVATED:		YES / NO / (NA)

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

SAMPLE COMMENTS:

LOCATION COMMENTS:

FIELD PARAMETERS: Summa #N0777

Sample Time _____ HH:MM

CH_4: 0 % CO_2: 3200 ppm O_2: 19.9 % VOC: 0.0 ppm

COMPLETED BY (PRINT): M. Sandoval

COLLECTED BY (PRINT): M. Shendo

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) Maurice Shendo (Signature)	Date/Time 10/29/25 1232	RECEIVED BY (Printed Name) David Sarracino (Signature)	Date/Time 10/29/25 1232
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

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 17331 **EVENT NAME:** FY26 - Poregas Sampling - October - TA-63-TWF

SAMPLE ID: TWF63-26-377348 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/29/2025	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		0944	MEDIA:		GAS
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	ok
LOCATION ID:	63-2010	ok	FIELD PREP:		NA
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	ok
TOP DEPTH:	6.5 ft		SAMPLE USAGE:	INV	↓
BOTTOM DEPTH:	7.5 ft		EXCAVATED:		YES / NO / (NA)

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

SAMPLE COMMENTS:

LOCATION COMMENTS:

FIELD PARAMETERS: Summa # N2826

Sample Time _____ HH:MM

CH_4: 0.1 CO_2: 1800 ppm O_2: 20.67 VOC: 0.0 ppm

COMPLETED BY (PRINT): M. Estany

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

RELINQUISHED BY (Printed Name) Maurice Shands (Signature)	Date/Time 10/29/25 1232	RECEIVED BY (Printed Name) David Savyack (Signature)	Date/Time 10/29/25 1232
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

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 17331 **EVENT NAME:** FY26 - Poregas Sampling - October - TA-63-TWF

SAMPLE ID: TWF63-26-377350 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/29/2025	FIELD MATRIX:	GAS	GAS
TIME COLLECTED (HH:MM):		1003	MEDIA:		GAS
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	ok
LOCATION ID:	63-2011	ok	FIELD PREP:		NA
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	ok
TOP DEPTH:	6.5 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	7.5 ft		EXCAVATED:		YES / NO / NA

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

SAMPLE COMMENTS:

LOCATION COMMENTS:

FIELD PARAMETERS: Summa # N0724

Sample Time _____ HH:MM

CH_4: 0'1. CO_2: 1400 ppm O_2: 20.5'1. VOC: 0.0 ppm

COMPLETED BY (PRINT): M. Stastny

COLLECTED BY (PRINT): M. Begay

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) Maureen Skarda (Signature)	Date/Time 10/29/25 1232	RECEIVED BY (Printed Name) David Saavedra (Signature)	Date/Time 10/29/25 1237
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

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 17331 **EVENT NAME:** FY26 - Poregas Sampling - October - TA-63-TWF

SAMPLE ID: TWF63-26-377352 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/29/2025	FIELD MATRIX:	GAS	Gas
TIME COLLECTED (HH:MM):		10:43	MEDIA:		Gas
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	OK
LOCATION ID:	63-2012	OK	FIELD PREP:		NA
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	OK
TOP DEPTH:	24 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	25 ft		EXCAVATED:		YES / NO / (NA)

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

SAMPLE COMMENTS:

LOCATION COMMENTS: Port 1

FIELD PARAMETERS: Summa # N2913

Sample Time _____ HH:MM

$CH_4 = 0\%$ $CO_2 = 3600$ ppm $O_2 = 19.6\%$ VOC = 0.9 ppm

COMPLETED BY (PRINT): M. Begay

COLLECTED BY (PRINT): M. Shendo

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) Maurice Shendo (Signature)	Date/Time 10/29/25 1232	RECEIVED BY (Printed Name) David Sarracino (Signature)	Date/Time 10/29/25 1232
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

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 17331 **EVENT NAME:** FY26 - Poregas Sampling - October - TA-63-TWF

SAMPLE ID: TWF63-26-377353 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/29/2025	FIELD MATRIX:	GAS	Gas
TIME COLLECTED (HH:MM):		11:09	MEDIA:		Gas
SWMU/AOC:		TA 63	SAMPLE TECH CODE:	VOST	OK
LOCATION ID:	63-2012	OK	FIELD PREP:		NA
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	OK
TOP DEPTH:	59 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	60 ft		EXCAVATED:		YES / NO / (NA)

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

SAMPLE COMMENTS:

LOCATION COMMENTS: Port 2

FIELD PARAMETERS: Summa # 35267

Sample Time _____ HH:MM

$CH_4 = 0$ $CO_2 = 4000ppm$ $O_2 = 19.7\%$ $VOC = 2.0$ ppm

COMPLETED BY (PRINT): M Begay

COLLECTED BY (PRINT): M Shende

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) Maurice Shende (Signature)	Date/Time 10/29/25 1232	RECEIVED BY (Printed Name) David Garraud (Signature)	Date/Time 10/29/25 1232
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

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 17331 **EVENT NAME:** FY26 - Poregas Sampling - October - TA-63-TWF

SAMPLE ID: TWF63-26-377354 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/29/2025	FIELD MATRIX:	GAS	Gas
TIME COLLECTED (HH:MM):		11:36	MEDIA:		Gas
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	OK
LOCATION ID:	63-2013	OK	FIELD PREP:		NA
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	OK
TOP DEPTH:	24 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	25 ft		EXCAVATED:		YES / NO / (NA)

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

SAMPLE COMMENTS:

LOCATION COMMENTS: Port 1

Summa # 12672

FIELD PARAMETERS:

Sample Time _____ HH:MM

$CH_4 = 0$ $CO_2 = 7,000_{ppm}$ $O_2 = 17.9\%$ $VOC = 0.4_{ppm}$

COMPLETED BY (PRINT): M. Begay

COLLECTED BY (PRINT): M. Shende

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) Maurice Shende (Signature)	Date/Time 10/29/25 1232	RECEIVED BY (Printed Name) David Serrato (Signature)	Date/Time 10/29/25 1232
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

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 17331 **EVENT NAME:** FY26 - Poregas Sampling - October - TA-63-TWF

SAMPLE ID: TWF63-26-377357 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		11/29/2025	FIELD MATRIX:	GAS	ok
TIME COLLECTED (HH:MM):		12:05	MEDIA:	Nitrogen	
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	
LOCATION ID:	Specified At Time Of Sampling	NA	FIELD PREP:	NA	
LOCATION TYPE:			FIELD QC TYPE:	FB	
TOP DEPTH:			SAMPLE USAGE:	INV	
BOTTOM DEPTH:			EXCAVATED:		YES / NO / (NA)

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

SAMPLE COMMENTS: QC Sample of TWF63-26-377355

LOCATION COMMENTS: Summa # 24221

FIELD PARAMETERS:

Sample Time NA HH:MM

MS 11/29/2025

COMPLETED BY (PRINT): M. Shunda

COLLECTED BY (PRINT): M. Vigil

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) Maurice Shunda (Signature)	Date/Time 10/29/25 1232	RECEIVED BY (Printed Name) David Savracino (Signature)	Date/Time 10/29/25 1232
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

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 17331 **EVENT NAME:** FY26 - Poregas Sampling - October - TA-63-TWF

SAMPLE ID: TWF63-26-377356 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/29/2025	FIELD MATRIX:	GAS	Gas
TIME COLLECTED (HH:MM):		11:55	MEDIA:		Gas
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	OK
LOCATION ID:	Specified At Time Of Sampling	OK	FIELD PREP:		NA
LOCATION TYPE:	AMS		FIELD QC TYPE:	FD	OIC
TOP DEPTH:	5 Aft		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 # 34202

FIELD PARAMETERS:

Sample Time _____ HH:MM

$CH_4 = 0$ $CO_2 = 5400_{ppm}$ $O_2 = 19.4\%$ VOC = 0.7 ppm

COMPLETED BY (PRINT): M. Begay

COLLECTED BY (PRINT): M. Shendo

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) Maurice Shendo (Signature)	Date/Time 10/29/25 1232	RECEIVED BY (Printed Name) David Sarraino (Signature)	Date/Time 10/29/25 1232
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

Los Alamos National Laboratory

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 17331 **EVENT NAME:** FY26 - Poregas Sampling - October - TA-63-TWF

SAMPLE ID: TWF63-26-377355 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
Date Collected (MM/DD/YYYY):		10/29/2025	FIELD MATRIX:	GAS	Gas
TIME COLLECTED (HH:MM):		11:54	MEDIA:		Gas
SWMU/AOC:		TA-63	SAMPLE TECH CODE:	VOST	OK
LOCATION ID:	63-2013	OK	FIELD PREP:		NA
LOCATION TYPE:	AMS		FIELD QC TYPE:	REG	OK
TOP DEPTH:	59 ft		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	60 ft		EXCAVATED:		YES / NO / (NA)

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

SAMPLE COMMENTS:

LOCATION COMMENTS: Port 2

Summa # 13857

FIELD PARAMETERS:

Sample Time _____ HH:MM

$CH_4 = 0$ $CO_2 = 5400_{ppm}$ $O_2 = 19.4\%$ VOC = 0.7 ppm

COMPLETED BY (PRINT): M. Begay

COLLECTED BY (PRINT): M. Shendo

REVIEWED BY (PRINT):

RELINQUISHED BY (Printed Name) Maurice Shendo (Signature)	Date/Time 10/29/25 1232	RECEIVED BY (Printed Name) David Samaccia (Signature)	Date/Time 10/29/25 1232
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