Remedial Investigation and Remedial Alternatives Analysis Report

Location:

9 Lakeview Avenue
Buffalo, New York
BCP Site C915365

Prepared for:

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LaBella Project No.

2253075

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Certification

I _____certify that I am currently a Professional Engineer as defined in 6 NYCRR Part 375 1.2 (aj) and paragraph 1.3(b)47 and that this Remedial Investigation was conducted in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and DER Green Remediation (DER-31).

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Signed: Stamp Date:

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1.0 INTRODUCTION

1.1 Purpose

LaBella Associates, D.P.C. (LaBella) was retained by Buffalo Lakeview LLC to conduct a Remedial Investigation (RI) program at the property located at 9 Lakeview Avenue in the City of Buffalo, Erie County, New York, hereinafter referred to as the "Site" (see Figure 1). The scope of the RI program was consistent with the New York State Department of Environmental Conservation (NYSDEC) approved Remedial Investigation Work Plan (RIWP) dated August 8, 2023 and the Gamma Survey Workplan Addendum dated June 26, 2025. The scope of work was completed in general accordance with NYSDEC Department of Environmental Remediation 10 (DER-10) Technical Guidance for Site Investigation and Remediation. The purpose of the RI program summarized herein was to characterize the nature and extent of contamination occurring at the Site.

LaBella prepared this report on behalf of Buffalo Lakeview LLC to provide a detailed description of the RI program implemented at the Site. In addition to summarizing and documenting the methods used to investigate the Site, this RI Report describes the physical characteristics of the Site; defines the nature, magnitude, and extent of contamination encountered; and assesses the contamination with respect to fate, transport, and exposure.

1.2 Site Background

1.2.1 Site Location & Description

The Site is consist of approximately 0.42 acres of vacant land located northeast adjacent to Lakeview Avenue. The Site is comprised of one tax parcel (SBL 110.27-1-4) located within a residential and commercial area within the City of Buffalo's Lower West Side neighborhood. According to the City of Buffalo Office of Strategic Planning website (https://www.buffalony.gov/1224/Using-the-Unified-Development-Ordinance), the parcel that comprises the Site is zoned "N-2R (Residential)". The attached Figure 1 and Figure 2 illustrate the location and boundaries of the Site. Although Site redevelopment plans have not been finalized, it is anticipated that Site redevelopment will include development of the Site with a multi-story multifamily residential building with surface parking and greenspace. Site Concept Plans are included within Appendix 7.

1.2.2 Site History

According to the contents of the Revised BCP Application prepared by others, the Site was developed with five separate residential buildings with associated structures from at least 1889 through at least 1925. In at least 1951, three structures remained at the Site including a motor freight station located on the east portion of the Site (formerly identified as "Building 1") most recently used as an automotive repair facility until prior to 2016. Reportedly the exterior area around Building 1 was used as a storage/disposal area for automotive parts. Demolition of Building 2 reportedly occurred in 2022. A residence (former "Building 2"), attached storage building, and garage located on the north portion of the Site was demolished in 2017 due to a fire. A second former residence was located on the Site and demolished in the 1960s. Copies of Sanborn maps are included within the Phase II Environmental Investigation report dated March 2020 contained within Appendix 1.

On July 30, 2025, LaBella reviewed City of Buffalo records associated with the Site. No records were on file for the Site with the Department of Fire Prevention; however, one building permit was obtained for 9-21 Lakeview Avenue dated September 26, 1955 for installation of one 3,000-gallon diesel tank. The location (i.e. aboveground/underground) is unknown. Copies of the permits retrieved from the City of Buffalo are

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included in Appendix 8. No other records of environmental significance were obtained from the City of Buffalo.

1.2.3 Previous Environmental Investigations

Phase II Environmental Investigation Report March 2020

A Phase II Environmental Investigation (Phase II) report was completed TurnKey Environmental Restoration, LLC dated March 2020. A copy of the Phase II report is included in Appendix 1. Based on the contents of the Phase II report, six test pits (TP-1 through TP-6) were advanced at the Site to between 4 and 8 feet below the ground surface. Fill material consisting of ash/cinders, brick, slag, asphalt, glass, gravel, sand, and clay was encountered within all six test pit excavations to a maximum depth of 4 ft bgs. Two steel pipes of-unknown nature were encountered within TP-5 at 3 ft bgs. Apparent black shallow surface staining was reported in soil collected from TP-1 and TP-3. Petroleum-type odors were detected in soil collected from TP-4 from between 3 and 8 ft bgs with a maximum photo-ionization detector (PID) reading of 465.5 parts per million (ppm) between 4 and 6 ft bgs. Petroleum-type odors were also detected in soil collected from TP-5 from between 2 and 4 ft bgs with a maximum photo-ionization detector (PID) reading of 4 parts per million (ppm) between 3 and 6 ft bgs. It should be noted that the field evidence of impact (i.e. PID readings and petroleum-type odors) observed within TP-5 were adjacent to the steel pipes of-unknown nature encountered within TP-5. Additionally, three shallow hand auger soil borings (HC-1 through HC-3) were advanced at the Site to a maximum depth of 0.5 ft bgs. Soil samples were collected from the test pits and the soil borings and submitted for laboratory analysis. Based on the laboratory results, semi-volatile organic compounds (SVOCs), metals, or both were detected at concentrations exceeding NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives (SCOs) in the soil samples collected from TP-2, HC-1, HC-2, HC-3, and HC-5.

2.0 OBJECTIVES AND RATIONAL

For sites entering the BCP at the point of investigation, NYSDEC requires completion of an RI. Below are the primary objectives of this RI:

- Collect additional on-Site media samples, under appropriate quality assurance/quality control criteria, to better delineate the nature and extent of contamination.
- Determine if the concentrations of constituents of concern in soil pose potential unacceptable risks to human health and the environment.
- Provide data needed to evaluate potential remedial measures and determine appropriate actions to address potential significant risks.
- Provide a qualitative exposure assessment.

It should be noted that assessment of groundwater was included within the RI scope of work; however, groundwater was not encountered within any of the soil borings or monitoring wells installed during RI field activities. Refer to Section 4.1 and Section 4.3 for additional information.

3.0 STANDARDS, CRITERIA, AND GUIDANCE

The following standards, criteria, and guidance (SCG) utilized as part of the implementation of the RI are identified below:

Soil SCGs: The following SCGs for soil were used to evaluate the Site:

- NYCRR Subpart 375-6 Unrestricted Use SCOs
- NYCRR Subpart 375-6 Restricted Residential Use SCOs

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Soil Vapor SCGs: The following SCGs for soil vapor were used to evaluate the Site:

- NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006, and Soil Vapor/Indoor Air Matrix Tables Addendums dated May 2017 and February 2024, Table 3.1 air guidance values, September 2013: New Ambient Air Guideline for Tetrachloroethene (PCE), and August 2015: New Ambient Air Guideline for Trichloroethene (TCE)

4.0 SUMMARY OF REMEDIAL INVESTIGATION ACTIVITES

The scope of the RI program was generally consistent with the NYSDEC approved RIWP dated August 8, 2023 and the Gamma Survey Workplan Addendum dated June 26, 2025. The scope of work was completed in general accordance with NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation.. The RI program encompassed the following major tasks:

- Air monitoring was conducted in accordance with the NYSDOH Generic Community Air Monitoring Plan (CAMP).
- Completion of a DMM-5 compliant Gamma Walkover Survey including gamma-spectroscopy soil/fill analysis.
- Collection and chemical analysis of on-Site surface soil/fill samples to characterize the chemistry of these materials.
- Completion of test pits and soil borings to enable the classification, screening, sampling, and chemical characterization of subsurface soil/fill.
- Installation of groundwater monitoring wells to evaluate groundwater flow direction and gradient, and to facilitate the collection and chemical analysis of groundwater samples. It should be noted that groundwater was not encountered within any of the soil borings or monitoring wells installed during RI field activities. Refer to Section 4.1 and Section 4.3 for additional information.
- Collection of soil vapor samples from the Site.
- Third party validation of laboratory data and preparation of a Data Usability Summary Report (DUSR).
- Evaluation of the resulting data and preparation of a report to:
    - Summarize and document the activities performed during the RI.
    - Describe the physical characteristics of the Site.
    - Describe the nature, magnitude, and extent of contamination.
    - Compare the analytical data to applicable regulatory levels.
    - Evaluate contaminant fate and transport.
    - Qualitatively assess exposure to Site contaminants under current and future use scenarios.

4.1 Field Investigation

The following subsections describe the scope of field activities implemented during the remedial investigation program.

4.1.1 Gamma Walkover Survey and Sampling

Due to the presence of slag noted in the March 2020 Phase II Investigation, a DMM-5 radiological screening survey was completed at the Site by The MJW Companies (MJW), a licensed radiological consultant. The scope of work was completed in accordance with the NYSDEC approved Gamma Survey

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Workplan Addendum dated June 26, 2025. A copy of the Gamma Walkover Survey and Sampling Report dated September 25, 2025 is included in Appendix 2.

The GPS-enhanced overland gamma survey of the Site was performed on June 12, 2025. For comparison, gamma background information was collected from the nearby 4th Street Park. Based on the field results, a gamma radiation area background mean and 1.5x background mean of 6,112 counts per minute (cpm) and 9,168 cpm were established, respectively. As areas were identified exhibiting gamma radiation exceeding the 1.5x background mean, per DMM-5 guidelines, targeted soil samples were collected test pit locations TP-7, TP-8, and TP-14 and (refer to Section 4.1.3 below) and submitted for laboratory analysis for Radium-226 via gamma-spectroscopy. Radium-226 concentrations detected within the samples submitted for laboratory analysis were between 1.21 picocuries per gram (pCi/g) and 1.61 pCi/g.

Per the contents for the NYSDEC letter dated October 9, 2025, the NYSDEC reviewed the Gamma Walkover Survey and Sampling Report dated September 25, 2025 and concluded the following:

> *"From the review of this report, the Department has concluded that the data supports that the excavated material is not TENORM; this conclusion is based on the lack of provenance related to the source(s) of the material, as well comparison to background data. Please note, however, that the material is considered a solid waste and must be properly handled and/or disposed of, in compliance with appropriate regulations."*

A copy of the NYSDEC letter dated October 9, 2025 is included in Appendix 2.

4.1.2 Surface Soil/Fill Sampling

Six surface soil/fill samples, identified as SS-1 through SS-6 were collected to characterize surface soil/fill at the Site. The surface soil/fill samples were collected from zero to two inches below the ground surface (bgs) and beneath the vegetative cover. Surface soil samples SS-1 through SS-5 were collected on June 10, 2025, and SS-6 was collected on September 25, 2025. Surface soil/fill samples were collected in pre-cleaned and pre-preserved laboratory sample bottles, placed on ice, and delivered under chain of custody for laboratory analysis. Generally the surface soil/fill samples collected from the test pits were analyzed for target compound list (TCL) SVOCs plus tentatively identified compounds (TICs), polychlorinated biphenyls (PCBs), herbicides, pesticides, target analyte list (TAL) metals, 1,4-dioxane, and per- and polyfluoroalkyl substances (PFAS). One location (SS-6) was also analyzed for full list VOCs (TCL VOC plus CP-51 VOCs) plus TICs. Table 1 summarizes the surface soil samples collected and the laboratory analysis performed. Table 4B summarize the surface soil laboratory results and Figure 3 depicts the surface soil sample locations.

4.1.3 Test Pit Excavations

Twelve test pit excavations identified as TP-7 through TP-15 and EXP-1 through EXP-3 were excavated across the Site between July 10 and 14, 2025. The purpose of TP-7 through TP-15 was to generally characterize the subsurface soil conditions at the Site. Test pits EXP-1 through EXP-3 were advanced assess the nature of the pipes identified within test pit excavation TP-5 advanced in 2016. The locations of the test pits are depicted on Figure 3. A track-mounted excavator was utilized to advance the test pit excavations to terminal depths ranging from approximately 5.5 ft bgs to 14.8 ft bgs. No groundwater was encountered within any of the test pit excavations advanced.

To further investigate the nature of the two pipes encountered within test pit excavation TP-5 advanced in 2016, test pit excavations EXP-1 through EXP-3 were advanced proximate the location of TP-5. It should be noted that there are discrepancies between the location of TP-5 within the supporting figures contained within the March 2020 Phase II compared to the supporting figures contained within August 2023 RIWP.

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Based on review of the collective information obtained within the scope of this RI, LaBella suspects that the investigation locations depicted within the August 2023 RIWP are incorrect and biased north of their actual location, therefore, the investigation locations detailed within the March 2020 Phase II were utilized to support the content of this RIAA report. As the location of TP-5 was not clear at the time of the RI field activities, EXP-1 and EXP-2 were advanced in effort to locate the pipes identified within TP-5 advanced in 2016; however, no pipes were encountered within EXP-1 or EXP-2. As such, EXP-3 was advanced south of EXP-2, and a total of four steel pipes with an approximate diameter of one-inch were encountered within the northeast portion of EXP-3 at 2 ft bgs. Two of the steel pipes which extended approximately 20 feet southwest and terminated appear consistent with the steel pipes encountered within TP-5 in 2016. The other two steel pipes extended 10 feet southeast along the former Building 2 foundation and also terminated. Although the nature of steel pipes cannot be confirmed, the steel pipes appeared consistent with product lines that may have been historically associated with petroleum bulk storage systems. Concurrent with excavation activities related to advancement of EXP-3, the steel pipes were removed and staged-on-site for subsequent recycling/proper disposal.

Fill material was encountered within all of the test pits advanced from the ground surface to maximum depths of between 3.5 and 8 ft bgs. It should be noted EXP-3 exhibited the deepest fill layer encountered at the Site extending to 8 ft bgs. Fill material encountered within the test pits consisted of clay, silt, sand, gravel, asphalt, concrete, concrete block, brick, timbers, glass, cinders, and ash. In addition, fill material encountered within test pits TP-7, TP-8, TP-10, TP-14, and EXP-1 through EXP-3 included slag. Native soil was encountered beneath the fill to the terminal depths of the test pits consisting of clay, silt, sand, and gravel.

With the exception of limited soil exhibiting elevated PID readings excavated from EXP-3 which was staged on-site for subsequent disposal, soil/fill excavated from the test pits were staged immediately adjacent to the test pit on plastic in the order in which it was excavated. Excavated soil/fill from each test pit was continuously assessed for visual and olfactory evidence of impacts (e.g., staining, odor, etc.), and/or detectable levels of Total Organic Vapors (TOVs) using a PID. Positive indications from any of these screening methods are collectively referred to as “evidence of impairment”. Soil/fill characterizations and PID readings were recorded on field sheets. Following characterization and sample collection, the excavated soil/fill was returned to the test pit from which it originated. The excavator bucket was decontaminated between each test pit utilizing a power washer and potable water. Field logs detailing the observations made during the test pits activities are included in Appendix 3. Based on the field observations, no field evidence of impact was encountered within the test pits advanced as part of the RI with the exception of the following.

- TP-10 exhibited a peak PID reading of 171.5 ppm from 6-8 ft bgs. Suspect petroleum-type odors was observed within soil collected from 4-8 ft bgs.
- EXP-3 exhibited a peak PID reading of 424 ppm from 6-8 ft bgs. Suspect petroleum-type odors was observed within soil collected from 4-8 ft bgs.

Based on the presence of suspect product lines terminating within the south portion of EXP-3, the depth of fill in EXP-3 to 8 ft bgs, that a peak PID reading 424 ppm was recorded in EXP-3 from 6-8 ft bgs, and that suspect petroleum-type odors were observed within soil collected from EXP-3 from 4-8 ft bgs, the conditions within EXP-3 suggest that EXP-3 may have been the former location of a underground storage tank (UST), specifically the 3,000-gallon diesel tank installed at the Site in 1955 (refer to Section 1.2.2 for additional information) which may have been subsequently removed. Although the nature of the steel pipes extending to the southwest cannot be confirmed, such may have been associated with a historic pump dispenser no longer present at the Site.

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Due to the field evidence of impact observed within TP-10 and EXP-3, NYSDEC Spill Number 2503404 was assigned to the Site.

A total of 15 subsurface soil/fill samples were collected from the test pits, placed in pre-cleaned and pre-preserved laboratory sample bottles, placed on ice, and shipped under chain of custody and submitted for laboratory analysis. The test pit soil samples were generally biased towards soil/fill exhibiting elevated PID readings, field evidence of impact (i.e. suspect poolroom-type odors, suspect petroleum-type staining, etc.), horizons containing fill material, but were also collected from native fill horizons which did not exhibit evidence of impact. Generally the soil samples collected from the test pits were analyzed for Full List VOCs plus TICs, TCL SVOCs plus TICs, PCBs, herbicides, pesticides, 1,4-dioxane, TAL Metals, Hexavalent and Trivalent Chromium, and PFAS. Table 1 summarizes the test pits and the laboratory analysis performed. Table 2B summarizes the RI test pit subsurface soil laboratory results and Figure 3 depicts the test pit locations.

4.1.4 Soil Boring and Well Installation

Eight soil borings (MW-1 through MW-5 and SB-1 through SB-3) were advanced across the Site between August 9 and 13, 2025 using hollow stem auger drilling methods. Soil borings were advanced to a maximum depth of between 15 and 27.5 ft bgs. Equipment refusal was encountered within soil borings MW-1 through MW-5 between 24.5 and 27.5 ft bgs due to encountering bedrock. Soil within all of the soil borings were generally dry or moist, with semi-wet conditions encountered within soil boring MW-4 between 26 and 27.5 ft bgs; however, no apparent groundwater was encountered within any of the soil borings advanced at the Site.

Fill material consisting of silt, sand, clay, gravel, brick, asphalt, concrete, ash, and glass was encountered within all of the soil borings advanced to a maximum depth of between 2 and 6 ft bgs. Slag was encountered in soi borings MW-3, SB-2, and SB-3 from between approximately the ground surface to 2 ft bgs. Apparent native soil was encountered beneath the fill to the terminal depths of the soil borings consisting of silt, sand, clay, and gravel.

Downhole drilling equipment was decontaminated between boring locations using an Alconox and potable water solution. Continuous samples were collected throughout the depth of each soil boring. Retrieved soil/fill samples from each soil boring location were assessed for visual and olfactory indications of impairment, and/or detectable levels of TOVs using a PID. Soil/fill characterizations and screening values were recorded on Soil Boring Logs included in Appendix 3. Based on the field observations, no field evidence of impact was or TOV readings in excess of 1 ppm were encountered within the soil borings advanced with the exception of the following.

- MW-3 exhibited a peak PID reading of 5.5 ppm from 4-6 ft bgs.
- SB-2 exhibited a peak PID reading of 1.4 ppm from 10-12 ft bgs.
- SB-3 exhibited a peak PID reading of 37.7 ppm from 0-2 ft bgs.

A total of eight subsurface soil/fill samples were collected from the soil borings, placed in pre-cleaned and pre-preserved laboratory sample bottles, placed on ice, and shipped under chain of custody and submitted for laboratory analysis. The soil borings soil samples were generally biased towards soil/fill exhibiting elevated PID readings, horizons containing fill material, but were also collected from native fill horizons. Generally the soil samples collected from the soil borings were analyzed for Full List VOCs plus TICs, TCL SVOCs plus TICs, PCBs, herbicides, pesticides, 1,4-dioxane, TAL Metals, Hexavalent and Trivalent Chromium, and PFAS. Table 1 summarizes the RI soil borings and the laboratory analysis performed. Table 3 summarize the RI subsurface soil laboratory results and Figure 3 depicts the RI soil boring locations.

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As semi-wet conditions were encountered within soil boring MW-4, in attempt to facilitate collection of groundwater, soil boring MW-4 was completed with a two-inch groundwater monitoring well screened from between 16.5 and 26.5 within the overburden. The monitoring well was constructed with 10 feet of 0.010-slot pre-packed well screen connected to an appropriate length of solid PVC well riser to complete the well. The annulus of the soil boring was backfilled with quartz filter sand to a nominal depth of two feet below the ground surface. A bentonite seal was placed above the sand pack and the monitoring well was finished with a flush mount casing. The monitoring well construction log is included in Appendix 3. Figure 3 depicts the location of the groundwater monitoring well.

With exception of the soil cuttings generated from soil boring MW-4, soil cuttings generated from the soil borings were returned to the soil boring from which the cuttings originated. Soil cuttings generated from soil boring MW-4 was placed in 55-gallon drums for subsequent disposal. Decontamination rinse water generated during advancement of the soil borings was placed in 55-gallon drums for subsequent disposal.

4.1.5 Groundwater Sampling

Depth to groundwater within MW-4 was measured using a groundwater level indicator subsequent installation on August 13, 2025; however, no groundwater was encountered. Subsequent attempts to measure and retrieve groundwater from MW-4 on August 20, 2025 also failed to identify groundwater. As such, groundwater samples were not collected from MW-4.

4.1.6 Soil Vapor Sampling

Five soil vapor samples (SV-1 through SV-5) were collected at the Site on August 11, 2025. Soil vapor points were installed in general conformance with the New York State Department of Health (NYSDOH) Soil Vapor Intrusion Guidance. Each soil vapor sample probe was manually installed using specialized, stainless-steel soil probe rods. Sampling equipment included six-inch long sampling screens and ¼-inch inside diameter inert sample tubing. Soil boreholes were advanced to a depth of 5 ft bgs using steel rods equipped with an anchor point at the driving end of the rod. The anchor point was connected to the sampling screen and tubing on the inside of the steel rod. Once the steel rod was advanced to the target depth, the steel rod was retracted, leaving the anchor point, sampling screen, and sampling tubing within the borehole annulus. Sand pack was poured around the sampling screen to 0.5 ft bgs. Bentonite was then placed over the sand to the ground surface to create a seal prohibiting infiltration of ambient air into the sampling area.

Once the sample probes were installed, the probe and tubing were purged of three volumes using a calibrated syringe as required by NYSDOH guidance. Helium tracer gas was used during the purging phase to ensure that the probes were sealed. Helium tracer gas was not detected during purging. Subsequent purging, samples were collected over an approximate four-hour period using laboratory supplied six-liter SUMMA canisters. Each canister was fitted with a laboratory calibrated flow controller. All soil vapor samples were analyzed for VOCs via USEPA Method TO-15. An outdoor air sample (OA) was also collected concurrently with the four soil vapor samples. The outdoor air sample was collected from ground level at an upwind location.

Table 1 summarizes the soil vapor laboratory analysis performed. Table 5 summarizes the soil vapor analytical results and Figure 3 depicts the soil vapor sample locations.

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4.2 Sample Analysis/Validation

4.2.1 Laboratory Analysis

Eurofins Environmental Testing America (Eurofins) performed the chemical analyses of all soil/fill and soil vapor samples collected from the Site related to RI activities. Eurofins is accredited under the New York State Environmental Laboratory Approval Program (ELAP) Contract Laboratory Program (CLP). All samples collected during the RI were analyzed using the applicable methods prescribed by the NYSDEC Analytical Services Protocol (ASP), June 2000. Category B deliverables were generated for these samples. Table 1 summarizes the laboratory analysis performed for each sample collected. Laboratory analytical reports are included in Appendix 4.

4.2.2 Quality Assurance/Quality Control Samples

In addition to field samples, Quality Assurance/Quality Control (QA/QC) samples were collected to evaluate the effectiveness of the QA/QC procedures implemented during the field and laboratory activities associated with the project. As reflected by Table 1, QA/QC samples included matrix spike (MS) and matrix spike duplicate (MSD) samples and blind field duplicates.

4.2.3 Data Validation

Validation of the laboratory data generated from the chemical analysis of soil/fill and groundwater samples in accordance with the *NYSDEC Guidance for the Development of Data Usability Summary Reports* (DUSRs) was performed by Environmental Assessment & Remediations. The data packages were reviewed for completeness and compliance relative to the criteria specified in the aforementioned NYSDEC document. A detailed comparison of the reported data with the raw data submitted as part of the supporting documentation package and applied protocol-defined procedures for the identification and quantitation of the individual analytes was also conducted to determine the validity of the data. DUSRs were prepared for the data packages and include a narrative summary discussing all quality issues and their impact on the reported results. The DUSRs are presented in Appendix 5. Further discussion of data validation is presented in Section 7.0.

4.3 Deviations from Remedial Investigation Work Plan

The scope of the RI program was consistent with the New York State Department of Environmental Conservation (NYSDEC) approved Remedial Investigation Work Plan (RIWP) dated August 8, 2023 and the Gamma Survey Workplan Addendum dated June 26, 2025. Deviations from the scope are detailed below.

- The RIWP included installation of five groundwater monitoring wells at the Site. Soil borings SB-1 through SB-3 were advanced to 15 ft bgs; however, groundwater was not encountered within these soil borings. Soil borings MW-1 through MW-5 were advanced to bedrock to maximum depths of between 24.5 and 27.5 ft bgs. While semi-wet conditions were encountered within soil boring MW-4 between 26 and 27.5 ft bgs, groundwater was not encountered within soil borings MW-1 through MW-5. In attempt to facilitate collection of groundwater, soil boring MW-4 was completed with a two-inch groundwater monitoring. Depth to groundwater within MW-4 was measured using a groundwater level indicator subsequent installation on August 13, 2025; however, no groundwater was encountered. Subsequent attempts to measure and retrieve groundwater from MW-4 on August 20, 2025 also failed to identify groundwater. As such, no groundwater samples were collected as part of the RI. Furthermore, as groundwater wells were not installed, groundwater flow direction cannot be confirmed. Based on surface topography, regional groundwater flow is expected to flow to the southwest towards the Niagara River.
- To further confirm chromium conditions within select soil samples collected from the Site, soil laboratory analysis for soil samples collected from TP-7, TP-8, TP-12, TP-13, TP-14, TP-15, EXP-2,

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and SB-3 was expanded to included analysis for hexavalent and trivalent chromium using USEPA methods 7196A and SM 3500, respectively.

5.0 PHYSICAL CHARACTERISTICS OF THE SITE

5.1 Setting

The Site is located within the City of Buffalo's Lower West Side neighborhood and currently consists of undeveloped vacant land located northeast adjoining Lakeview Avenue. Concrete surfaces are located on the east portion of the Site including a concrete slab foundation associated with former Building 1 (refer to Section 1.2.2) demolished in 2022 and an associated weathered concrete pad located immediately west of the former Building 1 foundation. The remainder of the Site is dominated by grassy areas intermingled with gravel likely associated with historic driveways and on-site vehicle parking/storage. The Site is located approximately 2,100 feet northeast of the Niagara River.

The topography of the Site is slightly sloping to the southwest with an elevation of approximately 595 to 600 ft above mean sea level according to the USGS 7.5-minute, Buffalo SE, New York quadrangle map.

According to the United States Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS) Web Soil Survey (WSS), the Site consists of Urban land. Urban land is described as areas with soils that have been disturbed, transported, and/or are mostly covered with impervious surfaces such as buildings and pavement. The Surficial Geologic Map of New York – Niagara Sheet (1988) indicates that the overburden underlying the Site consists of lacustrine silt and clay, which is generally laminated silt and clay, deposited in proglacial lakes.

According to the United States Geological Survey (USGS) Geological Map of New York Niagara Sheet (1970), the underlying bedrock formation at the Site consists of the Onondaga Limestone Seneca, Morehouse (cherty), and Clarence Limestone Members, Edgecliff cherty Limestone Member, local coral bioherms; Bois Blanc Limestone.

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map of the area indicates that the Site is not within the 100 and 500-year floodplains.

The NYSDEC Freshwater Wetland Map and the United States Department of Interior Fish and Wildlife Service National Wetlands Inventory Map for the Site were reviewed. No state wetlands or federally designated wetlands are located on or adjoining the Site.

5.2 Geology

Based on the collective subsurface conditions observed within the soil borings and test pits advanced at the Site associated with the March 2020 Phase II ESA and the RI, fill material consisting of ash/cinders, brick, timbers, asphalt, concrete, concrete block, glass, gravel, silt, sand, and clay was encountered within all subsurface investigation locations advanced and generally overlays the Site to maximum depths of between 3.5 and 8 ft bgs. In addition, fill material within investigation locations TP-4 through TP-8, TP-10, TP-14, EXP-1 through EXP-3, MW-3, SB-2, and SB-3 included slag to maximum depths of between 2 and 6 ft bgs. Native overburden soil consisting of gravel, sand, silt, and clay is located beneath the fill layer extending to a maximum depth of between 24.5 and 27.5 ft bgs where bedrock was encountered. Saturated conditions were not encountered within any of the investigation locations advanced at the Site.

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5.3 *Hydrogeology*

As is detailed within 4.1 and 4.3, groundwater was not encountered within any of the investigation locations advanced at the Site. Although semi-wet conditions were encountered within soil boring MW-4 between 26 and 27.5 ft bgs just above bedrock, no groundwater was identified within groundwater monitoring well MW-4 subsequent installation. Based on surface topography and USGS 7.5-minute, Buffalo SE, New York quadrangle map, regional groundwater flow is expected to flow to the southwest towards the Niagara River located approximately 2,100 feet southwest of the Site.

6.0 FIELD SCREENING RESULTS AND EVIDENCE OF IMPAIRMENT

The following subsections present and discuss the results of organic vapor field screening and CAMP results conducted during the RI program, as well as visual and olfactory evidence of impairment noted during the field program.

6.1 *Organic Vapor Screening Results*

Direct screening of subsurface soil/fill samples collected from the test pits and soil borings advanced as part of the RI for TOVs was conducted using a PID and the resulting measurements were recorded on the field logs. TOV measurements were generally at background levels (less than 1 ppm) with the exception of the following.

- TP-10 exhibited a peak PID reading of 171.5 ppm from 6-8 ft bgs.
- EXP-3 exhibited a peak PID reading of 424 ppm from 6-8 ft bgs.
- MW-3 exhibited a peak PID reading of 5.5 ppm from 4-6 ft bgs.
- SB-2 exhibited a peak PID reading of 1.4 ppm from 10-12 ft bgs.
- SB-3 exhibited a peak PID reading of 37.7 ppm from 0-2 ft bgs.

PID readings were considered when selecting soil samples for laboratory analysis. Subsurface logs detailing the observations collected during advancement of the test pits and soil borings are included in Appendix 3. Table 1 summarizes the laboratory analysis performed.

6.2 *Visual/Olfactory Evidence of Impairment*

Visual and/or olfactory evidence of impairment, including staining and odor, was assessed during the advancement of the soil borings and test pits advanced as part of the RI, and was noted on the subsurface logs. Based on the field observations, no field evidence of impact was encountered within the test pits or soil borings advanced as part of the RI with the exception of the following.

- TP-10 exhibited suspect petroleum-type odors from 4-8 ft bgs.
- EXP-3 exhibited suspect petroleum-type odors within soil collected from 4-8 ft bgs.

Generally, the soil samples detailed above also exhibited elevated PID readings. Visual and olfactory evidence of impact was considered when selecting soil samples for laboratory analysis. Subsurface logs detailing the observations collected during advancement of the test pits and soil borings are included in Appendix 3. Table 1 summarizes the laboratory analysis performed.

6.3 *Community Air Monitoring Results*

Continuous community air monitoring was performed during the July and September 2025 intrusive activities. Community air monitoring included monitoring air for particulates at both locations upwind and

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downwind portions of the Site. Upwind and downwind monitoring locations for both particulates and VOCs were selected based on prevailing wind conditions during the investigation activities. Particulate monitoring was conducted using TSI 8530 DustTrak II aerosol monitors equipped with data-logging function in accordance with the CAMP. No exceedances of the CAMP action levels were recorded at the downwind locations during the course of these RI field activities at the Site. The community air monitoring results for the work completed in July 2025 are included in Appendix 5. The data files for the community air monitoring during the work completed in August 2025 could not be retrieved; however, no exceedances were noted by field staff overseeing the work. VOC monitoring and screening of soils recovered from test pits and soil borings were recorded on field logs included in Appendix 3. Methods to control dust and dirt were not necessary at the Site during RI field activities.

7.0 ANALYTICAL RESULTS

The following sections summarize and discuss the analytical results generated during the RI. Surface and subsurface soil/fill, native soil, and soil vapor samples were collected for chemical analysis to evaluate the magnitude and extent of potential contamination occurring at the Site. A summary of the RI sampling program as well as the number and type of QA/QC samples is presented in Table 1. Table 2B, Table 3, Table 4B and Table 5 summarize the results of the laboratory analysis with the final validation qualifiers for the surface soil/fill, subsurface soil/fill, and soil vapor samples, respectively, and compare the results to the applicable SCGs described in Section 3.0. The laboratory analytical reports are included in Appendix 4.

Laboratory data was validated in accordance with NYSDEC guidelines and was qualified, where appropriate, based on the data usability evaluation. Qualifier codes were used to indicate the qualitative and quantitative reliability of the data. All analytical laboratory data were found to be valid and usable, with the following qualifications/notes identified in the DUSRs:

- Hexavalent chromium in samples reported in Sample Delivery Group (SDG) 480-230990-1 were edited to reflect estimate low bias.
- Barium and mercury in matrix sample 480-230990-3MS/MSD were changed to reflect estimate high bias due to recovery above QC limits.
- Calcium in matrix sample 480-230990-3MS/MSD was changed to reflect estimate low bias due to recovery below QC limits.
- Matrix samples 480-231016-5 MS/MSD contained multiple analytes that failed recovery, these were edited to non-detect.
- Numerous metals in TP-14 2-4 and the blind duplicate DUP-1 were edited to estimated values due to recovery over RPD limit of 50%.
- Hexavalent chromium in sample 480-231016-1 was edited to estimate low bias due to not being analyzed within hold times.
- Within matrix samples 480-231828-6 MS/MSD, numerous analytes were edited to non-detect estimate due to recovery below QC limits.
- Analyte PCB-1016 in SDG 480-231828-1 was qualified as non-detect estimate due to recovery above upper limits.
- All samples in SDG 480-232498-1 were qualified as estimates or non-detect estimates due to analysis after hold time.
- For both samples in SDG 480-231050-1, recoveries within the continuous calibration for analytes dibromochloromethane and vinyl chloride were outside the control limits, which led to the qualification of non-detect estimate "UJ" values for the analytes.

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Consistent with NYSDEC guidelines, the ASP Category B deliverables are not presented as appendices to the RI Report. The data will be transmitted electronically to the NYSDEC in a format consistent with the Electronic Data Deliverable (EDD) Manual.

7.1 Surface Soil/Fill

Six surface soil/fill samples were collected and submitted for laboratory analysis as part of the RI. The laboratory results are included within Appendix 4 and the results are summarized within Table 4B. The surface soil/fill sample locations are depicted on Figure 3. No analytes were detected within the surface soil/fill samples collected from the Site at concentrations exceeding the SCGs utilized in implementation of the RI with the exception of the following.

Metals exceeding the SCGs utilized in implementation of the RI are listed below:

- Cadmium was detected within the surface/fill sample SS-1 at a concentration of 4.5 milligrams per kilogram (mg/kg) exceeding its respective Unrestricted Use SCO (2.5 mg/kg) and Restricted Residential Use SCO (4.5 mg/kg).
- Total chromium was detected within surface soil/fill samples SS-1, SS-2, SS-3, SS-4, SS-5, and SS-6 at concentrations of 646 mg/kg, 13.8 mg/kg, 24.7 mg/kg, 32.3 mg/kg, 13.7 mg/kg, 445 mg/kg, respectively. Supplemental laboratory analysis for hexavalent chromium and trivalent chromium revealed hexavalent chromium within the surface soil/fill samples collected from SS-1, SS-4, and SS-6 at concentrations of 646 mg/kg, 32.1 mg/kg, and 445 mg/kg respectively, exceeding the Unrestricted Use SCO of 30 mg/kg. Only surface soil/fill samples collected from SS-1 and SS-6 exhibited concentrations of hexavalent chromium exceeding the Restricted Residential Use SCO of 180 mg/kg. None of the surface soil/fill samples collected as part of the RI identified concentrations of trivalent chromium exceeding the Unrestricted Use or Restricted Residential Use SCO.
- Copper was detected within surface soil/fill samples collected from SS-1 and SS-6 at concentrations of 491 mg/kg and 132 mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO for copper of 50 mg/kg; however, only the surface soil/fill sample collected from SS-6 detected copper exceeding the Commercial Use SCO of 270 mg/kg.
- Lead was detected within surface soil/fill samples collected from SS-1, SS-2, SS-3, and SS-5 at concentrations of 533 mg/kg, 130 mg/kg, 115 mg/kg, and 352 mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO for lead of 63 mg/kg; however, only the surface soil/fill sample collected from SS-1 detected lead exceeding the Restricted Residential Use SCO for lead of 400 mg/kg.
- Manganese was detected within surface soil/fill samples collected from SS-1 and SS-6 at concentrations of 9,540 mg/kg and 8,990 mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO for manganese of 1,600 mg/kg and the Restricted Residential Use SCO for manganese of 2,000 mg/kg.
- Nickel was detected within surface soil/fill samples collected from SS-1, SS-4, SS-5, and SS-6 at concentrations of 185 mg/kg, 33.5 mg/kg, 40 mg/kg and 39.1 mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO for nickel of 30 mg/kg; however, do not exceed the Restricted Residential Use SCO for nickel of 310 mg/kg.
- Selenium was detected within surface soil/fill samples collected from SS-1 at a concentration of 5.2 mg/kg which exceeds the Unrestricted Use SCO for selenium of 3.9 mg/kg; however, does not exceed the Restricted Residential Use SCO for selenium of 180 mg/kg.
- Zinc was detected within surface soil/fill samples collected from SS-1, SS-5, and SS-6 at concentrations of 933 mg/kg, 204 mg/kg, and 259 mg/kg, respectively. These concentrations

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exceed the Unrestricted Use SCO for zinc of 109 mg/kg; however, do not exceed the Restricted Residential Use SCO for zinc of 10,000 mg/kg.

- Mercury was detected within the surface soil/fill sample collected from SS-2 at a concentration of 0.91 mg/kg exceeding the Unrestricted Use SCO for mercury of 0.18 mg/kg and the Restricted Residential Use SCO for mercury of 0.81 mg/kg.

Pesticides exceeding the SCGs utilized in implementation of the RI are listed below:

- 4,4'-DDD was detected within the soil/fill sample collected from SS-6 at a concentration 0.015 mg/kg exceeding the Unrestricted Use SCO for 4,4'-DDD of 0.0033 mg/kg; however, below the Restricted Residential Use SCO for 4,4'-DDD of 13 mg/kg.
- 4,4'-DDE was detected within the soil/fill sample collected from SS-6 at a concentration 0.017 mg/kg exceeding the Unrestricted Use SCO for 4,4'-DDE of 0.0033 mg/kg; however, below the Restricted Residential Use SCO for 4,4'-DDE of 8.9 mg/kg.
- 4,4'-DDT was detected within the soil/fill sample collected from SS-1 and SS-6 at a concentration of 0.02 mg/kg and 0.29 mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO for 4,4'-DDT of 0.0033 mg/kg; however, are below the Restricted Residential Use SCO for 4,4'-DDT of 7.9 mg/kg.

SVOCs exceeding the SCGs utilized in implementation of the RI are listed below:

- Benzo(a)anthracene was detected within the surface soil/fill sample collected from SS-1 and SS-6 at concentrations of 1.7 mg/kg and 2.1 mg/kg, respectively. These concentrations exceed the Unrestricted Use and Restricted Residential Use SCO for benzo(a)anthracene of 1 mg/kg.
- Benzo(a)pyrene was detected within the surface soil/fill samples collected from SS-1 and SS-6 at concentrations of 1.9 mg/kg and 1.8 mg/kg, respectively. These concentrations exceed the Unrestricted Use and Restricted Residential Use SCO of 1 mg/kg.
- Benzo(b)fluoranthene was detected within the surface soil/fill samples collected for SS-1 and SS-6 at concentrations of 2.8 mg/kg and 2.9 mg/kg, respectively. These concentrations exceed the Unrestricted Use and Restricted Residential Use SCO of 1 mg/kg.
- Benzo(k)fluoranthene was detected within surface soil/fill samples collected from SS-1 and SS-6 at concentrations of 1.1 mg/kg and 0.96 mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO of 0.8 mg/kg; however, do not exceed the Restricted Residential Use SCO of 3.9 mg/kg.
- Chrysene was detected within the surface soil/fill sample collected from SS-1 and SS-6 at concentrations of 2.2 mg/kg and 2.4 mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO of 1 mg/kg; however, do not exceed the Restricted Residential Use SCO of 3.9 mg/kg.
- Dibenzo(a,h)anthracene was detected within surface soil/fill samples collected from SS-1 and SS-6 at concentrations of 0.41 mg/kg and 0.4 mg/kg, respectively. These concentrations exceed the Unrestricted Use and Restricted Residential Use SCO of 0.33 mg/kg.
- Indeno(1,2,3-cd)pyrene was detected within surface soil/fill samples collected from SS-1 and SS-6 at concentrations of 1.2 mg/kg and 1.1 mg/kg, respectively. These concentrations exceed the Unrestricted Use and Restricted Residential Use SCO of 0.5 mg/kg.

VOCs exceeding the SCGs utilized in implementation of the RI are listed below:

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- Total xylenes were detected within the surface soil/fill sample collected from SS-6 at a concentration of 0.81 mg/kg exceeding the Unrestricted Use SCO of 0.26 mg/kg; however, below the Restricted Residential Use SCO of 100 mg/kg.

7.2 Subsurface Soil/Fill

A total of 26 subsurface soil/fill (15 test pit and nine soil boring) samples were collected and submitted for laboratory analysis as part of the RI. The laboratory results are included within Appendix 4 and the results are summarized within Table 2B and Table 3. The subsurface soil/fill sample locations are depicted on Figure 3. No analytes were detected within the subsurface soil/fill samples collected from the Site at concentrations exceeding the SCGs utilized in implementation of the RI with the exception of the following.

Metals exceeding the SCGs utilized in implementation of the RI are listed below:

- Barium was detected within the subsurface soil/fill sample collected from TP-7 at a concentration of 437 mg/kg, exceeding the Unrestricted Use SCO of 350 mg/kg and the Restricted Residential Use SCO of 400 mg/kg.
- Total chromium was detected within all 26 subsurface soil/fill samples submitted for laboratory analysis at concentrations between 11 mg/kg and 449 mg/kg which exceeds the hexavalent chromium Unrestricted Use SCO of 1 mg/kg. Subsurface soil samples collected from TP-7 (2-3 ft bgs), TP-12 (3-5 ft bgs), TP-14 (2-4 ft bgs), DUP-1 (TP-14, 2-4 ft bgs), EXP-2 (2-4 ft bgs), and SB-3 (0-2 ft bgs) identified concentrations of total chromium at concentrations of 69.1 mg/kg, 50.8 mg/kg, 84.5 mg/kg, 446 mg/kg, 49.2 mg/kg, and 449 mg/kg respectively, exceeding the trivalent chromium Unrestricted Use SCO of 30 mg/kg. Supplemental laboratory analysis of subsurface soil/fill samples collected from TP-7 (2-3 ft bgs) and SB-3 (0-2 ft bgs) revealed concentrations hexavalent chromium of 4.8 mg/kg and 2.5 mg/kg respectively, which exceeds the Unrestricted Use SCO for hexavalent chromium of 1 mg/kg. In addition, trivalent chromium was detected within the subsurface soil/fill samples collected from TP-7 (2-3 ft bgs), TP-12 (3-5 ft bgs), TP-14 (2-4 ft bgs), EXP-2 (2-4 ft bgs), SB-3 (0-2 ft bgs) at concentrations of 64.3 mg/kg, 50.8 mg/kg, 84.1 mg/kg, 49.2 mg/kg, and 447 mg/kg, respectively. These concentrations of trivalent chromium all exceed the Unrestricted Use SCO for trivalent chromium of 30 mg/kg; however, only the subsurface soil/fill sample collected from SB-3 (0-2 ft bgs) exhibited a concentration of trivalent chromium exceeding the Restricted Residential SCO for trivalent chromium of 180 mg/kg.
- Copper was detected within subsurface soil/fill samples collected from DUP-1 (TP-14, 2-4) and SB-3 (0-2 ft bgs) at concentrations of 87 mg/kg and 81.6 mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO of 50 mg/kg; however, are below the Restricted Residential Use SCO of 270 mg/kg.
- Lead was detected within subsurface soil/fill samples collected from TP-7 (2-3 ft bgs), TP-8 (3-4 ft bgs), TP-9 (6-8 ft bgs), TP-12 (3-5 ft bgs), TP-14 (2-4 ft bgs), DUP-1 (TP-14, 2-4 ft bgs), TP-15 (2-3 ft bgs), and SB-3 (0-2 ft bgs) at concentrations of 1,040 mg/kg, 134 mg/kg, 68.5 mg/kg, 274 mg/kg, 106 mg/kg, 222 mg/kg, 273 mg/kg, and 683 mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO of 63 mg/kg; however, only the concentration of lead detected within the subsurface soil/fill samples collected from TP-7 (2-3 ft bgs) and SB-3 (0-2 ft bgs) exceed the Restricted Residential SCO of 400 mg/kg.
- Manganese was detected within the subsurface soil/fill samples collected from DUP-1 (TP-14, 2-4 ft bgs) and SB-3 (0-2 ft bgs) at concentrations of 13,300 mg/kg and 12,800 mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO of 1,600 mg/kg and the Restricted Residential Use SCO of 2,000 mg/kg.
- Nickle was detected within the subsurface soil/fill samples collected from TP-12 (3-5 ft bgs), DUP-1 (TP-14, 2-4 ft bgs), and SB-3 (0-2 ft bgs) at concentrations of 31.1 mg/kg, 45.2 mg/kg, and 39.5

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mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO of 30 mg/kg; however, do not exceed the Restricted Residential Use SCO of 310 mg/kg.

- Selenium was detected in the subsurface soil/fill sample collected from DUP-1 (TP-14, 2-4 ft bgs) at a concentration of 7.4 mg/kg. This concentration exceeds the Unrestricted Use SCO of 3.9 mg/kg; however, is below the Restricted Residential Use SCO of 180 mg/kg.
- Silver was detected within the subsurface soil/fill sample collected from SB-3 (0-2 ft bgs) as a concentration of 2.4 mg/kg. This concentration exceeds the Unrestricted Use SCO of 2 mg/kg; however, is below the Restricted Residential Use SCO of 180 mg/kg.
- Zinc was detected within the subsurface soil/fill samples collected from TP-7 (2-3 ft bgs), TP-12 (3-5 ft bgs), TP-14 (2-4 ft bgs), DUP-1 (TP-14, 2-4 ft bgs), TP-15 (2-3 ft bgs), and SB-3 (0-2 ft bgs) at concentrations of 705 mg/kg, 165 mg/kg, 188 mg/kg, 227 mg/kg, 129 mg/kg, and 194 mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO of 109 mg/kg; however, do not exceed the Restricted Residential Use SCO of 10,000 mg/kg.
- Mercury was detected within the subsurface soil/fill samples collected from TP-7 (2-3 ft bgs), TP-12 (3-5 ft bgs), and TP-15 (2-3 ft bgs) at concentrations of 0.4 mg/kg, 0.25 mg/kg, and 0.37 mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO of 0.18 mg/kg; however, do not exceed the Restricted Residential Use SCO of 0.81 mg/kg.

Pesticides exceeding the SCGs utilized in implementation of the RI are listed below:

- 4,4'-DDT was detected withing the subsurface soil/fill samples collected from TP-7 (2-3 ft bgs) and TP-10 (6-8 ft bgs) at concentrations of 0.02 mg/kg and 0.032 mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO of 0.0033 mg/kg; however, do not exceed the Restricted Residential Use SCO of 7.9 mg/kg.

SVOCs exceeding the SCGs utilized in implementation of the RI are listed below:

- Benzo(a)anthracene was detected within the subsurface soil/fill sample collected from TP-7 (2-3 ft bgs) at a concentration of 2.7 mg/kg. This concentration exceeds the Unrestricted Use and Restricted Residential Use SCO of 1 mg/kg.
- Benzo(a)pyrene was detected within the subsurface soil/fill sample collected from TP-7 (2-3 ft bgs) at a concentration of 2.5 mg/kg. This concentration exceeds the Unrestricted Use and Restricted Residential Use SCO of 1 mg/kg.
- Benzo(b)fluoranthene was detected within the subsurface soil/fill samples collected from TP-7 (2-3 ft bgs), TP-12 (3-4 ft bgs), and EXP-2 (2-4 ft bgs) at concentrations of 3 mg/kg, 1.2 mg/kg, and 1 mg/kg, respectively. These concentrations exceed the Unrestricted Use and Restricted Residential Use SCO of 1 mg/kg.
- Benzo(k)fluoranthene was detected within the subsurface soil/fill samples collected from TP-7 (2-3 ft bgs) and TP-12 (3-5 ft bgs) at concentrations of 2.2 mg/kg and 0.47 mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO of 0.8 mg/kg; however, do not exceed the Restricted Residential Use SCO of 3.9 mg/kg.
- Chrysene was detected within the subsurface soil/fill samples collected from TP-7 (2-3 ft bgs) and TP-12 (3-5 ft bgs) at concentrations 2.5 mg/kg and 1.1 mg/kg, respectively. These concentrations exceed the Unrestricted Use SCO of 1 mg/kg; however, do not exceed the Restricted Residential Use SCO of 3.9 mg/kg.
- Dibenz(a,h)anthracene was detected within the subsurface soil/fill sample collected from TP-7 (2-3 ft bgs) and SB-3 (0-2 ft bgs) at concentrations of 0.51 mg/kg and 0.67 mg/kg, respectively. These concentrations exceed the Unrestricted Use and Restricted Residential Use SCO of 0.33 mg/kg.

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- Indeno(1,2,3-c,d)pyrene was detected within the subsurface soil/fill sample collected from TP-7 (2-3 ft bgs) and EXP-2 (2-4 ft bgs) at concentrations of 1.6 mg/kg and 0.95 mg/kg, respectively. These concentrations exceed the Unrestricted Use and Restricted Residential Use SCO of 0.5 mg/kg.

Per-and Polyfluoroalkyl Substances exceeding the SCGs utilized in implementation of the RI are listed below:

- Perfluorooctanesulfonic acid (PFOS) was detected within the subsurface soil/fill samples collected from TP-7 (2-3 ft bgs) and TP-15 (2-3 ft bgs) at concentrations of 1 nanogram per gram (ng/g) and 0.95 ng/g, respectively. These concentrations exceed the Unrestricted Use SCO of 0.88 ng/g; however, are below the Restricted Residential SCO of 44 ng/g.

7.3 Soil Vapor

Four soil vapor samples (SV-1 through SV-5) and one outdoor air sample (OA) were collected from the Site. The laboratory results are included within Appendix 4, and the results are summarized within Table 6. The soil vapor point locations are depicted on Figure 3. Although the NYSDOH has not established guidance for analytes within soil vapor, for discussion purposes, below is a detailed review of the VOCs detected within the soil vapor samples collected from the Site for which the NYSDOH has established SCGs for soil vapor and indoor air.

- Methylene chloride was detected within SV-1 [1.1 micrograms per cubic meter (ug/m^3)], SV-2 (5.3 ug/m^3), SV-4 (0.7 ug/m^3), and OA (2.6 ug/m^3).
- n-Hexane was detected within SV-1 (4.8 ug/m^3), SV-2 (4.7 mg/m^3), SV-4 (2.7 ug/m^3), and SV-5 (1.2 ug/m^3).
- Cis-1,2-dichloroethene (c12-DCE) was detected within SV-2 (0.82 mg/m^3).
- Cyclohexane was detected within SV-1 (0.38 ug/m^3), SV-2 (3.5 ug/m^3), SV-3 (0.57 ug/m^3), SV-4 (0.51 ug/m^3), and SV-5 (0.77 ug/m^3).
- Carbon tetrachloride was detected within SV-2 (0.47 ug/m^3) and SV-4 (0.49 ug/m^3).
- 2,2,4-Trimethylpentane was detected within SV-1 (3.1 ug/m^3), SV-2 (0.76 ug/m^3), SV-3 (0.48 ug/m^3), SV-4 (0.90 ug/m^3), and SV-5 (0.60 ug/m^3).
- Benzene was detected with SV-1 (4.4 ug/m^3), SV-2 (1.3 ug/m^3), SV-3 (3.1 ug/m^3), and SV-4 (3.9 ug/m^3).
- n-Heptane was detected within SV-2 (1 ug/m^3), SV-3 (0.8 ug/m^3), SV-4 (1.1 ug/m^3), and SV-5 (1.2 ug/m^3).
- Trichloroethene was detected within SV-2 (0.72 ug/m^3).
- Toluene was detected with SV-1 (5.7 ug/m^3), SV-2 (20 ug/m^3), SV-3 (2.5 ug/m^3), SV-4 (3.1 ug/m^3), and SV-5 (2.3 ug/m^3).
- Tetrachloroethene was detected within SV-3 (1 ug/m^3), SV-5 (5.4 ug/m^3), and OA (13 ug/m^3).
- Ethylbenzene was detected within SV-1 (6.5 ug/m^3), SV-2 (2.3 ug/m^3), SV-3 (0.42 ug/m^3), SV-4 (1.8 ug/m^3), and SV-5 (0.55 ug/m^3).
- m,p-xylene was detected within SV-1 (13 ug/m^3), SV-2 (7.7 ug/m^3), SV-3 (1.2 ug/m^3), SV-4 (3.9 ug/m^3), and SV-5 (1.8 ug/m^3).
- o-xylene was detected within SV-1 (6.2 ug/m^3), SV-2 (2.1 ug/m^3), SV-3 (0.46 ug/m^3), SV-4 (1.7 ug/m^3), and SV-5 (0.78 ug/m^3).

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- Vinyl chloride was detected within SV-4 (0.53 ug/m^3.

No analytes were detected within the soil vapor samples collected at concentrations exceeding their most conservative NYSDOH Air Matrix sub-slab vapor value, Table 3.1 Air Guidance Value, or their New Ambient Air Guideline value.

8.0 CONTAMINATION ASSESSMENT

As indicated within Section 1.2, the historic operations/occupants at the Site included private residences, a motor freight station, and automotive repair. Select exterior areas of the Site were used as a storage/disposal of automotive parts. City of Buffalo records revealed that one 3,000-gallon diesel tank was installed at the Site in 1955; however, the location (i.e. aboveground/underground) of the tank was not detailed within the records reviewed. Organic and inorganic contaminants are present in soil/fill at the Site at concentrations that exceed the SCGs. Although Site redevelopment plans have not been finalized, it is anticipated that Site redevelopment will include development of the Site with a multi-story multifamily residential building with surface parking and greenspace. Considering the collective results of the March 2020 Phase II ESA and the results of the RI, this section provides an assessment of contaminants detected at the Site in excess of the SCGs applicable to each medium sampled.

8.1 Nature, Extent, and Source of Contamination

8.1.1 Surface Soil/Fill

While surface soil/fill samples collected from SS-1 and SS-6 did identify select pesticides exceeding Unrestricted Use SCOs, as well as one VOC (total xylenes) within the surface soil/fill sample collected from SS-6 exceeding Unrestricted Use SCOs, all the surface soil/fill samples collected from the Site exhibited at least one detection of metals, SVOCs, or both at concentrations exceeding Unrestricted Use SCOs. Additionally, only two surface soil/fill samples collected from the Site (SS-3 and SS-5) did not exhibit at least one or more SVOC, metal, or both, exceeding Restricted Residential Use SCOs. Although the source of the surface soil/fill contamination present at the Site cannot be confirmed, such is likely the result of historical motor freight station and automotive repair operations as well as the presence of urban fill material overlaying the Site. As such, it appears that the impact identified within the surface soil/fill likely persists across the surface of the Site.

8.1.2 Subsurface Soil/Fill

As detailed within the March 2020 Phase II ESA, and Section 4.1 and 6.0 of this report, three subsurface investigation locations (TP-4, TP10, and EXP-3) exhibited both suspect petroleum type odors and elevated PID readings. Based on the collective subsurface information collected, it appears that subsurface soil/fill exhibiting the greatest field evidence of impact is relatively horizontally confined proximate each of these locations and is vertically limited to maximum depts of between eight and 10 ft bgs. It should be noted that none of the soil/fill samples collected and submitted for laboratory analysis from TP-4, TP10, and EXP-3 exhibited analytes at concentrations exceeding Unrestricted Use of Restricted Residential Use SCOs.

Based on the collective subsurface information, several subsurface soil/fill samples collected the fill material overlying the Site to a maximum depth of approximately 8 ft bgs identified concentrations of VOCs, SVOCs, pesticides, metals, and per- and polyfluoroalkyl substances at concentrations exceeding Unrestricted Use SCOs; however, contaminants detected at concentrations exceeding Restricted Residential Use SCOs within the fill material present at the Site were limited to SVOCs and metals. While select soil samples collected from the native soil horizon identified concentrations of lead, total chromium, and 4,4'-DDT slightly exceeding Unrestricted Use SCOs, no analytes were detected at concentrations exceeding Restricted Residential Use

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within any of the soil samples collected from native soil at the Site. As such, it appears that subsurface soil/fill exhibiting contaminant concentrations above Restricted Residential Use SCOs is limited to the fill horizon at the Site.

As discussed within Section 4.1 and 4.3, groundwater was not encountered within any of the subsurface investigation locations advanced at the Site which included assessment of subsurface conditions to maximum depts of between 24.5 and 27.5 ft bgs where bedrock was encountered. While soil/fill samples collected from TP-1 (0-2 ft bgs) and SS-6 identified VOCs acetone and total xylenes at concentrations slightly exceeding their respective Unrestricted Use SCO, no other VOCs were detected exceeding Unrestricted Use SCOs in any of the other soil samples collected from the Site and no VOCs were detected at concentration exceeding Restricted Residential Use SCOs, including native soil samples collected from soil borings MW-1, MW-2, MW-4, and SB-2 from depths of between eight and 26 ft bgs. Based on the lack of contaminant detections at concentrations exceeding the SCOs within native soil samples collected, it appears unlikely that seasonal overburden groundwater (if it exists) or deeper groundwater columns to be impacted by the contaminants present at the Site.

8.1.3 Soil Vapor

Although the NYSDOH has not established guidance for analytes within soil vapor, no analytes were detected within the soil vapor samples collected at concentrations exceeding their most conservative NYSDOH Air Matrix sub-slab vapor value, Table 3.1 Air Guidance Value, or their New Ambient Air Guideline value. As such it appears that there is a low risk of soil vapor VOC impact on the Site.

9.0 QUANTITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT

9.1 Contaminant Fate and Transport

The probable fate and transport of contaminants detected on the Site is a function of the properties of the individual contaminants and available pathways for the contaminants to migrate. Although Site redevelopment plans have not been finalized, it is anticipated that Site redevelopment will include development of the Site with a multi-story multifamily residential building with surface parking and greenspace. The degree to which, as well as the route by which, contaminants migrate is dependent on the physical characteristics of the Site and the type and distribution of contaminants. The following sections discuss the probable fate and transport of contaminants in the different types of subsurface media at the Site.

9.1.1 Surface Soil/Fill

Contaminants of concern detected in the surface soil/fill primarily consist of SVOCs and metals, and to a lesser extent VOCs. The SVOCs and metals identified at the Site are characterized by low solubilities and are not expected to impact groundwater quality or migrate substantially into the subsurface. With the exception of one VOC (acetone) slightly exceeding its respective Unrestricted Use SCO within the shallow soil sample collected from TP-2 (0-2 ft bgs), no other VOCs were detected exceeding the SCOs within soil samples collected from overburden at the Site. In addition, the low permeability of the lacustrine deposits that underlie the Site are likely to minimize the downward migration of impact present at the Site.

9.1.2 Subsurface Soil/Fill

Contaminants of concern detected in the surface soil/fill consist of SVOCs and metals, and to a lesser extent VOCs, pesticides, and per- and polyfluoroalkyl substances, and appear to be limited to fill overlying the Site. The pesticides, SVOCs, and metals identified at the Site are characterized by low solubilities and are not

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expected to impact groundwater quality or migrate substantially into the subsurface. With the exception of one VOC (acetone) slightly exceeding its respective Unrestricted Use SCO within the shallow soil sample collected from TP-2 (0-2 ft bgs), no other VOCs were detected exceeding the SCOs within soil samples collected from overburden at the Site. In addition, with the exception of total chromium detected at concentrations exceeding Unrestricted Use SCOs; however, below Restricted Residential SCOs, no other analytes were detected exceeding the SCOs within the native soil at the Site. The low permeability of the lacustrine deposits that underlie the Site are likely to minimize the downward migration of impact present at the Site.

9.1.3 Soil Vapor

No analytes were detected within the soil vapor samples collected at concentrations exceeding their most conservative NYSDOH Air Matrix sub-slab vapor value, Table 3.1 Air Guidance Value, or their New Ambient Air Guideline value. Although such suggests that there is a low risk of soil vapor VOC impact on the Site, the presence of VOCs within soil at the Site could result in on-Site exposure to VOCs within indoor air. Implementation of engineering controls (i.e. sub-slab depressurization system, VOC rated vapor barrier, etc.) should be sufficient to mitigate the potential for soil vapor intrusion within existing or future buildings located at the Site.

9.2 Evaluation of Potential Receptors

The Site is located in an area that is characterized primarily by residential and commercial properties. Residential properties are located to northeast, northwest, and southwest beyond Lakeview Avenue of the Site. Mixed use residential and commercial properties are located to the southeast of the Site. The surrounding area is serviced by the municipal water supply system.

The Site currently consists of undeveloped vacant land located northeast adjoining Lakeview Avenue. Concrete surfaces are located on the east portion of the Site including a concrete slab foundation associated with former Building 1 (refer to Section 1.2.2) demolished in 2022 and an associated weathered concrete pad located immediately west of the former Building 1 foundation. The remainder of the site is dominated by grassy areas intermingled with gravel likely associated with historic driveways and on-site vehicle parking/storage.

Under current conditions, potential human receptors include persons involved with Site maintenance (e.g. lawn mowing) or trespassing on the Site.

Although Site redevelopment plans have not been finalized, it is anticipated that Site redevelopment will include development of the Site with a multi-story multifamily residential building with surface parking and greenspace. The redevelopment of the Site will be controlled through the implementation of engineering and institutional controls. These controls may include the following:

- Implementation of a Soil/Fill Management Plan
- Placement of a surface cover system across the Site
- Engineering controls to mitigate potential soil vapor intrusion pathways
- Implementation of erosion and dust control measures
- Maintenance of fencing around the Site or areas undergoing redevelopment
- Implementation of a storm water pollution prevention plan
- Adhering to NYSDEC/NYSDOH notification and reporting requirements
- Instituting health and safety procedures for construction activities and protection of the surrounding community

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Under the intended future use scenario for the Site, the primary consideration in the determination of acceptable clean-up levels is the potential risk to human health posed by residual contaminants in the soil/fill and soil vapor.

With regard to residual chemical contaminants, no on-Site or off-Site human and/or environmental receptors have been identified in connection with the post-redevelopment period, assuming that the contaminated media has been controlled through the implementation of engineering and institutional controls.

9.3 Potential Exposure Pathways

9.3.1 Surface Soil/Fill

Under the current use scenario, persons living or working at the Site, or persons trespassing on the Site, could be exposed to SVOCs and metals, and to a lesser extent VOCs in the surface soil/fill via inhalation of airborne particles, incidental ingestion of, or dermal contact with the contaminated media.

Construction workers, site visitors, and persons living, working, and traveling through the Site could be exposed to SVOCs and metals, and to a lesser extent VOCs, in the surface soil/fill during excavation of the contaminated soil/fill in connection with Site remediation and redevelopment. Potential exposure routes for these receptors include inhalation of contaminated dust, incidental ingestion of, and/or dermal contact with the contaminated soil/fill. However, the use of appropriate personal protective equipment, dust suppression techniques, and personal/air monitoring; and the development and implementation of a Health and Safety Plan including a Community Air Monitoring Plan would minimize the risk of exposure during this stage of the project.

Methods to eliminate exposure pathways include removal of the impacted surface soil/fill, or placement of engineering controls, such as a cover system, over the areas of impact.

9.3.2 Subsurface Soil/Fill

The presence of elevated concentrations of SVOCs and metals, and to a lesser extent VOCs, pesticides, and per- and polyfluoroalkyl substances in the subsurface soil/fill samples collected were not interpreted to represent a human or environmental exposure risk because no complete exposure pathways were identified under the current use scenario for the Site. This is a function of the subsurface disposition of the contamination, which effectively minimizes the potential for the incidental ingestion of, or dermal contact with the contaminated media. These factors also reduce the potential for the emission of vapors and particulates that could pose an exposure risk via inhalation. This applies to persons living, working, and traveling through the area surrounding the Site, as well as persons visiting, working, or traveling on the Site.

Environmental receptors such as construction workers, site visitors, and persons living, working, and traveling through the Site could be exposed to SVOCs and metals, and to a lesser extent VOCs, pesticides, and per- and polyfluoroalkyl substances in the subsurface soil/fill during excavation of the contaminated soil/fill in connection with site remedial and redevelopment activities. Potential exposure routes for these receptors include inhalation of contaminated dust and incidental ingestion of and/or dermal contact with the contaminated soil/fill. However, the use of appropriate personal protective equipment, dust suppression techniques and personal/air monitoring, and the development of a Health and Safety Plan including a Community Air Monitoring Plan would minimize the risk of exposure during this stage of the project.

Methods to eliminate exposure pathways include removal of the impacted subsurface soil/fill, or placement of engineering controls, such as a cover system, over the areas of impact.

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9.3.3 Groundwater

No overburden groundwater was encountered in any of the subsurface investigation locations advanced at the Site. Impact to groundwater from on-site sources is not expected. Groundwater in the vicinity of the Site is not utilized as a source of potable water. Therefore, no human exposure via ingestion of groundwater is likely to occur under the current use scenario for the Site. Environmental receptors such as construction workers or site visitors could be exposed to groundwater if encountered during excavation activities in connection with Site redevelopment activities. Potential exposure routes for these receptors include incidental ingestion of and/or dermal contact with groundwater. However, as a precaution, the use of appropriate personal protective equipment and the development of a Health and Safety Plan would minimize the risk of exposure during this stage of the project.

9.4 Vapor Intrusion

Based on the collective soil vapor results and the lack of significant VOC impact within soil/fill at the Site, that there is a low risk of soil vapor VOC impact on the Site. Environmental receptors may include occupants of future buildings through inhalation of VOC impacted indoor air originating from the subsurface soil vapor. In addition, environmental receptors to VOC impacted soil vapor may include construction workers during excavation activities in connection with Site redevelopment activities. Use of appropriate personal protective equipment and the development of a Health and Safety Plan would minimize the risk of exposure during this stage of the project.

Methods to eliminate exposure pathways include implementation of engineering controls (i.e. sub-slab depressurization system, VOC rated vapor barrier, etc.) to mitigate the potential for soil vapor intrusion within existing or future buildings located at the Site.

10.0 REMEDIAL ALTERNATIVES ANALYSIS

10.1 Remedial Goals and Objectives

The objective of the Remedial Alternatives Analysis (RAA) is to evaluate remedial alternatives and select remedial actions to be implemented at the Site for the intended re-use of the Site. As defined in NYSDEC DER-10 Section 4.0, remedial alternatives will be evaluated based on the following criteria:

a. *Overall Protection of Public Health and the Environment*: This criterion evaluates exposure and residual risks to human health and the environment during or subsequent to implementation of the alternative.
b. *Compliance with SCGs*: This criterion evaluates whether the remedial alternative will ultimately result in compliance with SCGs, to the extent practicable.
c. *Long-Term Effectiveness and Permanence*: This criterion evaluates if the remedy is effective in the long-term after implementation (e.g., potential rebound). In the event that residual impacts will remain as part of the alternative, the risks and adequacy/reliability of the controls will also be evaluated.
d. *Reduction of Toxicity, Mobility, or Volume with Treatment*: This criterion evaluates the reduction of contaminant toxicity, mobility, or volume as a result of the remedial alternative. In addition, the reversibility of the contaminant destruction or treatment is evaluated.
e. *Short-Term Effectives*: This criterion evaluates if the remedial alternative protects the community, workers, and the environment during implementation.
f. *Implement ability*: This criterion evaluates the remedial alternative based on its suitability, implement ability at the Site, and availability of services and materials that will be required.

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g. *Cost Effectiveness*: This criterion evaluates the capital, operation, maintenance, and monitoring costs for the remedial alternative. The estimated costs are presented on a present worth basis.

h. *Community Acceptance*: This criterion evaluates the public's comments, concerns, and overall perception of the remedy. The Community Acceptance criterion incorporates public concerns into the evaluation of the remedial alternatives. Therefore, Community Acceptance of the remedy will be evaluated after the public comment period required by the BCP.

i. *Land Use*: This criterion evaluates the proposed remedial approach against the current, intended, and reasonably anticipated future use of the land and its surroundings.

10.2 Remedial Action Objectives

Remedial Action Objectives (RAOs) are medium-specific objectives for the protection of human health and the environment and are developed based upon contaminant-specific SCGs established by the NYSDEC and/or NYSDOH. Based on the result of the Remedial Investigation, the following RAOs have been identified for the Site.

Soil

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.
- Prevent migration of contaminants that would result in surface water contamination.

Soil Vapor

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into future buildings at the Site.

10.3 Development of Remedial Alternatives

This section develops the remedial alternatives being considered to address the contaminated media on the Site, supportive to re-use of the Site for commercial and multi-family residential mixed-use. The remedial alternatives evaluated are summarized below.

Alternative 1: No Further Action

The No Further Action Alternative is included as a procedural requirement and as a baseline against which to evaluate other alternatives. Under this alternative, no further remedial or monitoring activities would occur, and no environmental easement would be recorded. The underlying soil/fill at the Site would remain virtually as it is and change in use would not be limited, except by existing land use controls such as zoning.

Alternative 2: Track 4 Restricted Residential Use Cleanup

It is anticipated that this alternative will include the following:

1. Manage impacted soils disturbed during redevelopment of the Site.
2. Targeted excavation of approximately 390-tons of soil exhibiting field evidence of petroleum impact (i.e. staining, odors, elevated PID readings) associated with NYSDEC Spill Number 2503404 detailed below and depicted within Figure 6. It should be noted that the excavation limits will be established based on actual conditions at the Site.
    a. Excavation of approximately 30 tons of petroleum impacted soil from proximate SS-4/TP-10, hereinafter referred to as "Excavation A". It is expected that soil from the ground surface to six ft bgs will be removed from Excavation A, staged on-site, and placed back in excavation.

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Petroleum impacted soil from six to eight ft bgs will be removed from Excavation A and subsequently exported for landfill disposal.

b. Excavation of approximately 280 tons of petroleum impacted soil from proximate EXP-3, hereinafter referred to as "Excavation B". It is expected that soil from the ground surface to four ft bgs will be removed from Excavation B, staged on-site, and placed back in excavation. Petroleum impacted soil from four to 11 ft bgs will be removed from Excavation B and subsequently exported for landfill disposal.

c. Excavation of approximately 80 tons of petroleum impacted soil from proximate TP-4, hereinafter referred to as "Excavation C". It is expected that soil from the ground surface to three ft bgs will be removed from Excavation C, staged on-site, and placed back in excavation. Petroleum impacted soil from three to nine ft bgs will be removed from Excavation C and subsequently exported for landfill disposal.

It should be noted that the excavation limits will be established based on actual conditions at the Site. Confirmatory soil samples will be collected and submitted for laboratory analysis from each excavation subsequent reaching final excavation dimensions per NYSDEC DER-10 requirements.

3. As appropriate, evaluate, monitor, and mitigate future structures at the Site for soil vapor intrusion per NYSDOH 2006 (and subsequent updates) Guidance for Evaluating Soil Vapor Intrusion.
4. Place a cover system to eliminate exposure of Site occupants to impacted soil/fill present at the Site.
5. Soil/fill disturbed during redevelopment of the Site, (i.e., excavation for foundations and utilities, Site grading, etc.) will be managed in accordance with NYSDEC DER-10.
6. Should soil/fill be disturbed during Site redevelopment require export from the Site, it is anticipated that such will require landfill disposal. The cover system will be constructed per NYSDEC DER-10 Restricted Residential Use requirements. Although the final civil design for the Site has not been completed, it is expected that the cover system will include a two foot cover system or equivalent comprised of the following:

    a. Hardscaped concrete and asphalt impermeable surfaces such as building foundations, surface parking, and sidewalks.

    b. A clean cover system placed over landscaped areas.

The cover system will include placement of a demarcation layer between existing Site soils and the cover system. Standard institutional controls would also be implemented under this alternative. Specifically, a Site Management Plan (SMP) incorporating an Excavation Work Plan and Engineering and Institutional Control certification requirements would be developed and enforced through an environmental easement. The environmental easement would restrict the use of the Site to restricted-residential applications and preclude groundwater use without treatment.

The Environmental Easement would be filed with Erie County to run with the deed and include the following requirements:

- The property use will be restricted to restricted residential use, or less stringent uses
- The cover system will remain in place
- A Soil/Fill Management Plan will be implemented for all invasive activities at the Site
- The use of groundwater without treatment and New York State Department of Health approval will be prohibited
- Annual certification of institutional and engineering controls will be required

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Alternative 3: Track 1 Unrestricted Use Cleanup

Under this alternative, the soil/fill impacted with contaminants at concentrations exceeding the Unrestricted Use SCOs at the Site would be excavated to an average depth across the Site of six ft bgs and disposed of at an appropriately permitted off-Site waste disposal facility. This alternative would preclude the need for engineering and institutional controls. It is estimated that approximately 4,100 cubic yards of soil/fill will require excavation and landfill disposal to successfully implement Alternative 3, and a similar volume of clean soil and structural fill would be necessary to backfill the Site.

10.4 Detailed Evaluation of Alternatives

10.4.1 Contaminated Fill Material and Groundwater Alternatives

Alternative 1: No Further Action

Overall Protection of Human Health and the Environment: This alternative will not be protective of human health or the environment. A number of surface and subsurface soil/fill samples contain contaminant concentrations exceeding SCGs established within the RI. Therefore, the potential exists for human exposure and impacts to the environment. This alternative would not meet the RAOs for the Site.

Compliance with SCGs: This alternative would not address impact present at the Site or mitigate exposure to contaminants in excess of SCOs and would therefore not comply with SCGs established within the RI.

Long-Term Effectiveness and Permanence: This alternative provides no long-term maintenance measures and, as such, provides no reliable long-term control against exposure to impact present at the Site. All current and future risks would remain under this alternative.

Reduction of Toxicity, Mobility, or Volume of Contamination with Treatment: This alternative would not result in the reduction of contaminant toxicity, mobility, or volume and therefore, would not be in compliance with the RAOs.

Short-Term Effectiveness: There would be no increased short-term risks posed to the community, Site workers, or the environment associated with the No Action alternative.

Implement ability: No technical implement ability issues or action-specific administrative implement ability issues are associated with this alternative.

Cost-Effectiveness: There is no capital or operation, maintenance, and monitoring (OM&M) costs associated with this alternative.

Land Use: This alternative is not consistent with the reasonably anticipated future use of the Site.

Alternative 2: Track 4 Restricted Residential Use Cleanup

Overall Protection of Human Health and the Environment: This alternative is protective of human health and the environment. Targeted excavation of soil exhibiting field evidence of petroleum impact proximate SS-4/TP-10, EXP-3, and TP-4 would be completed. Remaining contaminated surface and subsurface soil/fill material would be covered with clean material. Future buildings will be evaluated for soil vapor intrusion and mitigated as necessary. To further protect human health, any future invasive work would be performed in accordance with a NYSDEC-approved SMP, and certification of the engineering and institutional controls would be performed on an annual basis.

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Compliance with SCGs: This alternative would not be in compliance with SCGs, as not all contaminated soil/fill material would be removed from the Site. The removal of all soil/fill material exceeding the SCGs would not be practical due to the quantity of material and the associated cost for removal and disposal. The construction of a cover system would limit the potential for exposure to the soil/fill material. Imported cover material would need to meet backfill quality criteria per 6NYCRR Part 375. Site cover activities would necessitate preparation of and adherence to a community air monitoring plan for particulates in accordance with Appendix 1B of DER-10.

Long-Term Effectiveness and Permanence: The management of impacted soil/fill would be effective long-term to mitigate potential exposure during construction activities at the Site. The construction of a cover system and assessment/mitigation of soil vapor intrusion as appropriate would be effective in the long-term to limit the potential for exposure to Site impact. The efficacy of the cover system and soils management will be maintained and monitored through the SMP. Periodic Engineering and Institutional Control certification requirements would be required to assure the long-term cover integrity. The implementation of institutional controls via an Environmental Easement would aid in the long-term remedy of the Site.

Reduction of Toxicity, Mobility, or Volume of Contamination with Treatment: Placement of a clean cover system across the Site and targeted excavation of soil proximate SS-4/TP-10, EXP-3, and TP-4 would reduce the mobility of impact present within the soil/fill at the Site.

Short-Term Effectiveness: This alternative would increase short-term risks for the community and the workers during the soil/fill management, targeted excavation of soil proximate SS-4/TP-10, EXP-3, and TP-4, constructing the cover system, and assessment/mitigation of soil vapor (i.e., through the disturbance of impacted fill). Community air monitoring, dust control, and erosion measures would be required during the remedial activities to minimize the short-term risks.

Implement ability: No significant technical or administrative implement ability issues are associated with this alternative.

Cost-Effectiveness: As the civil site design has not been established for the Site, the actual cost of this alternative is unknown; however, an estimated budget of $670,000 has been established to successfully implement Alternative 2. Table 6 details the estimated budget for Alternative 2.

Land Use: This alternative would be consistent with the anticipated future use of the Site.

Alternative 3: Track 1 Unrestricted Use Cleanup

Overall Protection of Human Health and the Environment: Excavation and off-Site disposal to Unrestricted Use SCOs would be protective of human health and the environment under any reuse scenario. However, this alternative would permanently use and displace approximately 4,100 cubic yards of valuable landfill airspace, as well as remove a similar volume of clean material from an off-site borrow source.

Compliance with SCGs: This alternative would remove all contaminated soil/fill material to Unrestricted SCOs and would be in compliance with SCGs.

Long-Term Effectiveness and Permanence: This alternative would achieve removal of all impacted soil/fill material from the Site and would provide long-term effectiveness. Post-remedial monitoring and certifications would not be required.

Reduction of Toxicity, Mobility, or Volume of Contamination with Treatment: Through removal of all impacted soil/fill, this alternative would permanently and significantly reduce the toxicity, mobility, and volume of

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contamination within the Site. However, since this alternative transfers soil/fill material from one environment to another, an overall reduction of toxicity, mobility, and volume would not occur.

Short-Term Effectiveness: Short-term adverse impacts and risks to the community, workers, and environment during implementation of this alternative are possible due to the extensive disturbance of contaminated soil/fill. Site workers would be required to wear personal protective equipment (PPE) during excavation to prevent direct contact with soil/fill. Dust control methods would be required to limit the release of particulates during excavation activities and placement of the backfill soils. Physical hazards, primarily related to potential accidents from heavy truck traffic are also a concern, as the excavation work would require removal of a large number of truckloads of soil and import of a similar number of clean loads from the borrow source. Potential air quality and noise impacts to off-Site receptors located along trucking routes due to the large amount of material transport required to implement the remedy are also a concern.

Implement ability: Significant technical and administrative implement ability issues would be encountered in construction of this Unrestricted Use alternative. These include but are not limited to; the need to coordinate and secure disposal contracts with permitted off-Site landfills; and difficulty locating local borrow sources for such a large volume of backfill.

Cost-Effectiveness: The estimated budget to implement this alternative is $1,000,000. Table 7 details the estimated budget for Alternative 3.

Land Use: This alternative, although excessive for the anticipated future use of the Site, would not preclude the anticipated redevelopment of the Site.

10.5 Comparative Evaluation of Alternatives

Alternative 1: No Further Action

The No Further Action Alternative would not be protective of human health and the environment, would not be in compliance with SCGs, would not be an effective long-term remedy; would not reduce the toxicity, mobility, and volume of contamination; and would not be consistent with the reasonably anticipated future use of the Site. There would be no implementability issues or cost associated with this alternative.

Alternative 2: Track 4 Restricted Residential Use Cleanup

This alternative would be protective of human health and the environment; would be a long-term and permanent remedy, would effectively reduce or eliminate potential exposure routes through targeted excavation of soil proximate SS-4/TP-10, EXP-3, and TP-4, the construction of a cover system, installation of a soil vapor membrane/soil vapor mitigation system as appropriate, placement of an environmental easement, implementation of a SMP, and annual certifications, and would be consistent with the anticipated future use of the Site. This alternative would create short-term adverse impacts and risks to the community, workers, and environment during implementation. Alternative 2 will enable the Site to be utilized for Restricted Residential use and is significantly more cost effective than Alternative 3.

Alternative 3: Track 1 Unrestricted Use Cleanup

This alternative would be protective of human health and the environment; would be a long-term and permanent remedy; and would reduce the toxicity, mobility, and volume of contaminants at the Site. This alternative would create short-term adverse impacts and risks to the community, workers, and environment during implementation. Based on the quantity of material that would be required to be removed from the Site, the amount of backfilled needed to be brought to the Site, and the associated costs, this alternative is impractical and not cost effective when compared to Alternative 2.

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Remedial Alternative Selection

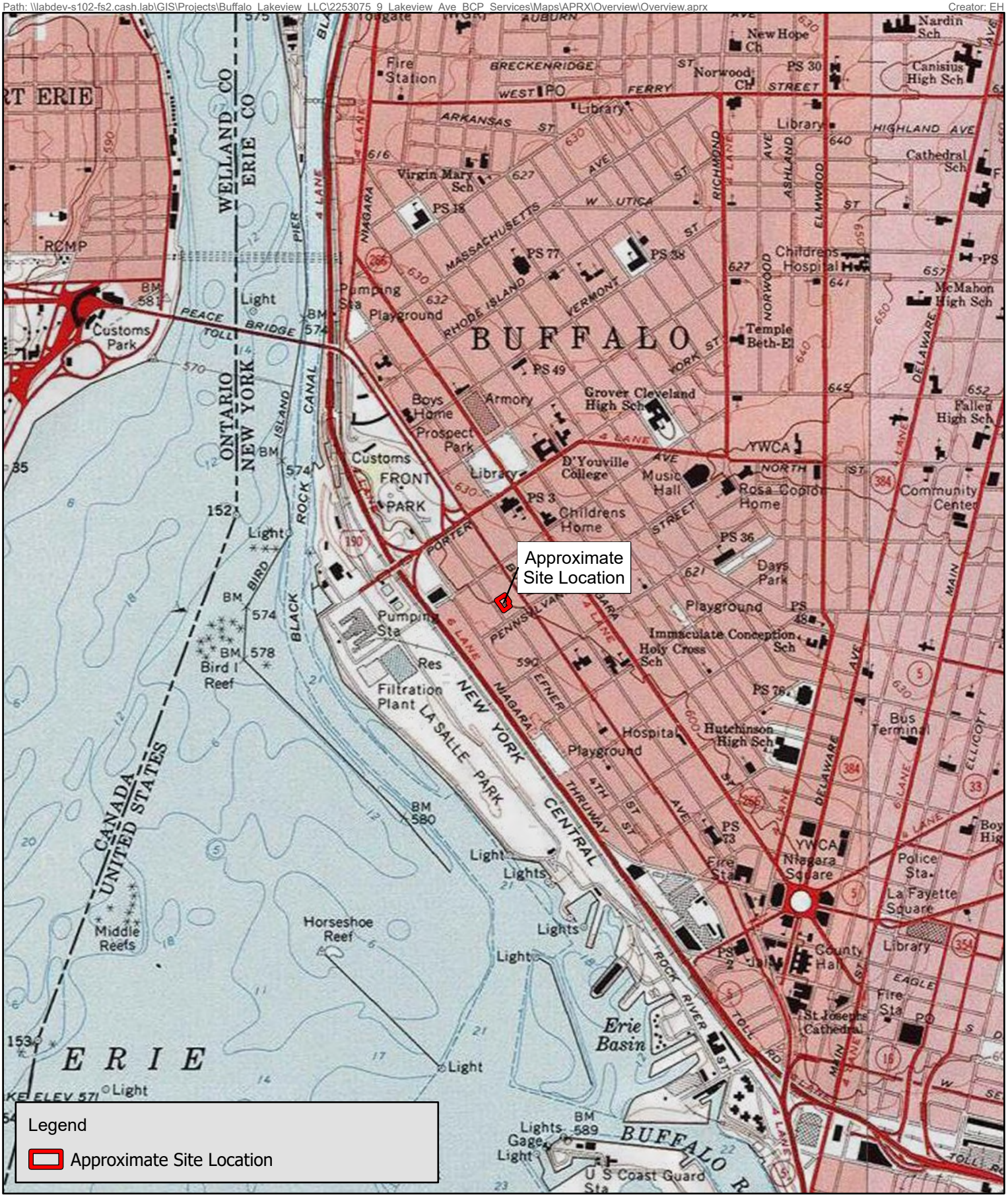
The recommended remedial action to address the contaminated fill material at the Site is Alternative 2: Track 4 Restricted Residential Use Cleanup. This alternative includes:

- Management of contaminated soil/fill during construction activities in accordance with DER-10 and DMM-5.
- Targeted excavation of soil exhibiting field evidence of petroleum impact proximate SS-4/TP-10, EXP-3, and TP-4.
- As appropriate, evaluate, monitor, and mitigate structures to remain as well as future structures at the Site for soil vapor intrusion per NYSDOH 2006 (and subsequent updates) Guidance for Evaluating Soil Vapor Intrusion.
- Placement of a two-foot clean material cover system across the Site.
- The implementation of a SMP.
- The placement of an environmental easement on the property.
- The completion of annual certification of the engineering and institutional controls.

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FIGURES



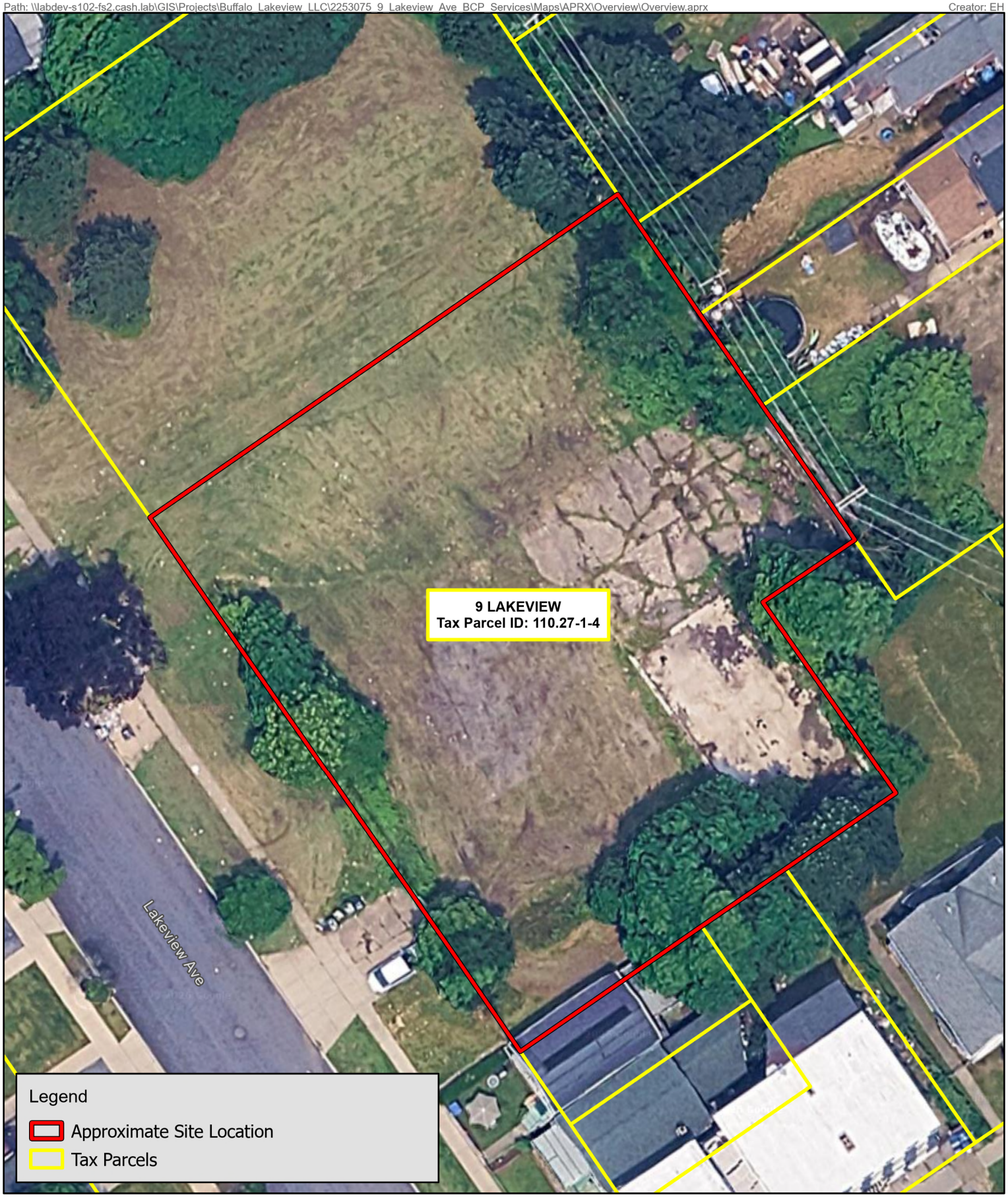
PROJECT # / DRAWING # / DATE:	DRAWING NAME:	PROJECT:
2253075 **Figure 1** 2/18/2026	Site Location Map	NYSDEC BCP Site No. C915365 9 Lakeview Avenue Buffalo, New York

N

0 1,000 2,000 Feet

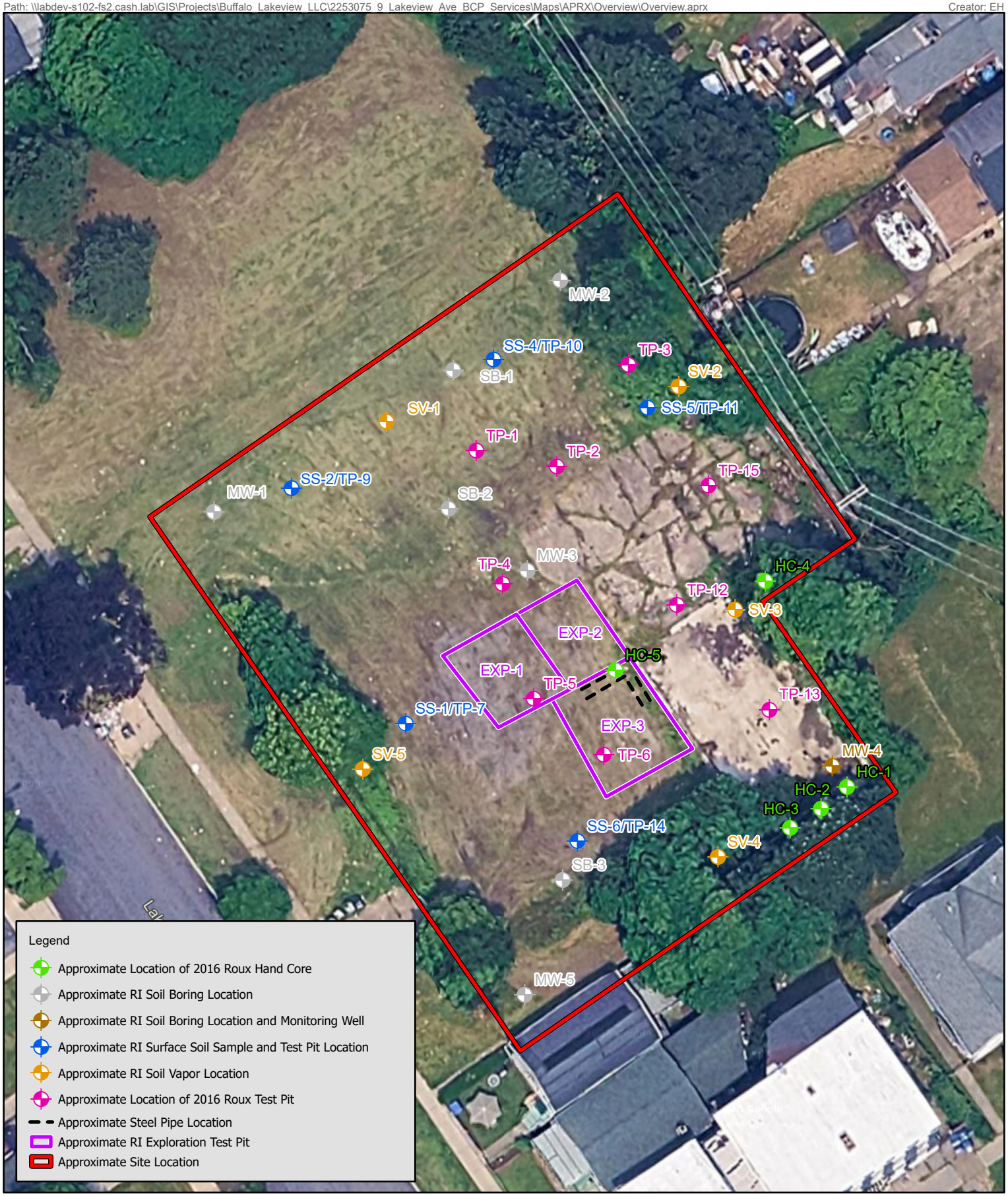
LaBella
Powered by partnership.

Data Source: Google Earth, 2026; LaBella 2026; Regrid 2021.



PROJECT # / DRAWING # / DATE:	DRAWING NAME:	PROJECT:	
2253075 **Figure 2** 2/19/2026	Site Base Map	NYSDEC BCP Site No. C915365 9 Lakeview Avenue Buffalo, New York	N 0 15 30 Feet LaBella Powered by partnership.

Data Source: Google Earth, 2026; LaBella 2026; Regrid 2021.

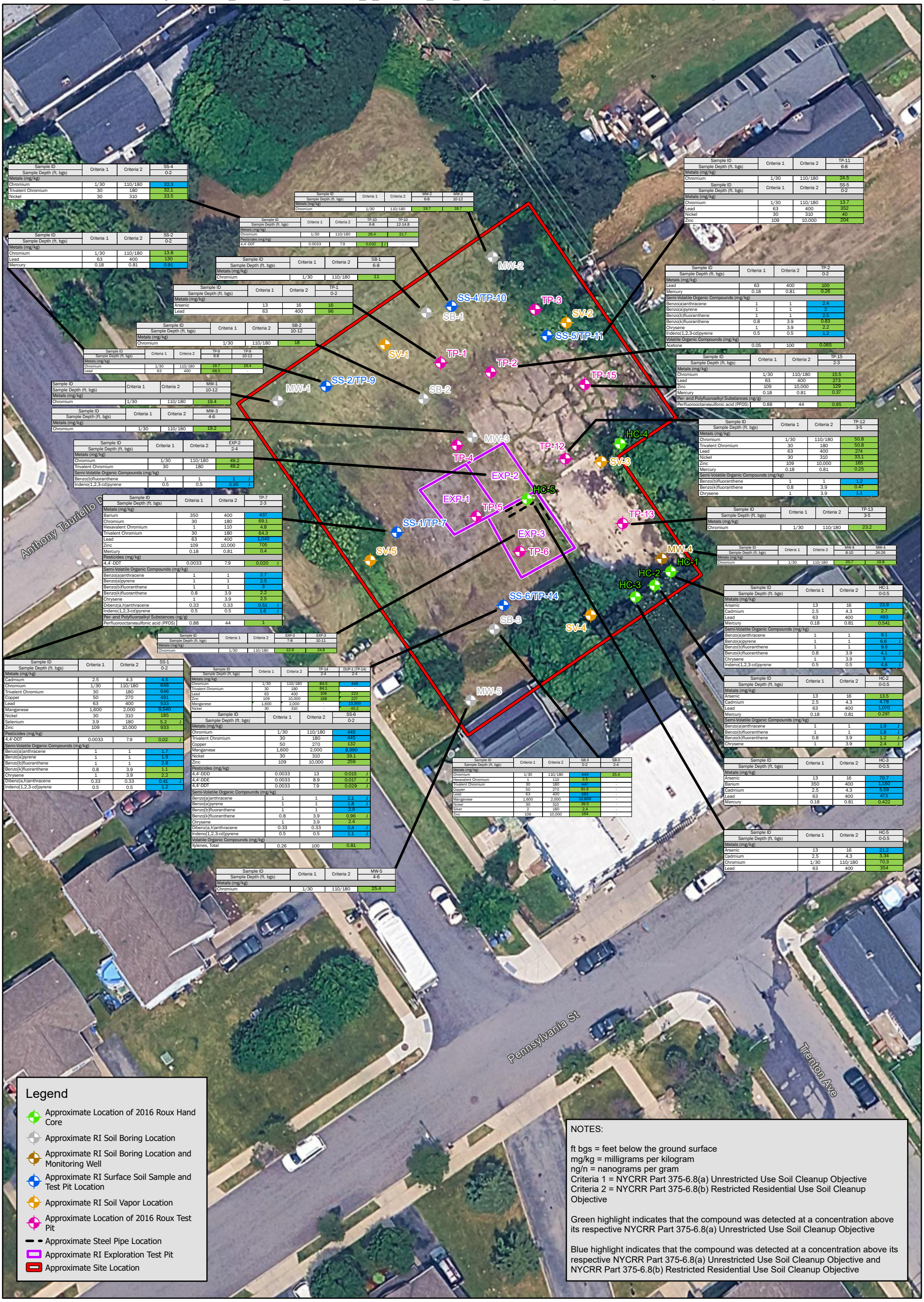


PROJECT # / DRAWING # / DATE:	DRAWING NAME:	PROJECT:	
2253075 **Figure 3** 2/19/2026	Site Investigation Map	NYSDEC BCP Site No. C915365 9 Lakeview Avenue Buffalo, New York	N 0 15 30 Feet LaBella Powered by partnership.

Data Source: Google Earth, 2026; LaBella 2026; Regrid 2021.

Path: \\labdev-s102-fs2\GIS\Projects\Buffalo_Lakeview_LLC\2253075_9_Lakeview_Ave_BCP_Services\Maps\APRX\Overview\Overview.aprx

Creator: EH



Sample ID	Criteria 1	Criteria 2	SS-4
Sample Depth (ft. bgs)			0-2
Metals (mg/kg)			
Chromium	1/30	110/180	32.3
Trivalent Chromium	30	180	32.1
Nickel	30	310	33.5

Sample ID	Criteria 1	Criteria 2	SS-2
Sample Depth (ft. bgs)			0-2
Metals (mg/kg)			
Chromium	1/30	110/180	13.8
Lead	63	400	130
Mercury	0.18	0.81	0.91

Sample ID	Criteria 1	Criteria 2	MW-2	MW-2
Sample Depth (ft. bgs)			6-8	10-12
Metals (mg/kg)				
Chromium	1/30	110/180	19.7	18.7

Sample ID	Criteria 1	Criteria 2	TP-10	TP-10
Sample Depth (ft. bgs)			6-8	12-14.8
Metals (mg/kg)				
Chromium	1/30	110/180	26.4	21.7
Pesticides (mg/kg)				
4,4'-DDT	0.0033	7.9	0.032 J	-

Sample ID	Criteria 1	Criteria 2	SB-1
Sample Depth (ft. bgs)			6-8
Metals (mg/kg)			
Chromium	1/30	110/180	11

Sample ID	Criteria 1	Criteria 2	TP-1
Sample Depth (ft. bgs)			0-2
Metals (mg/kg)			
Arsenic	13	16	16
Lead	63	400	96

Sample ID	Criteria 1	Criteria 2	SB-2
Sample Depth (ft. bgs)			10-12
Metals (mg/kg)			
Chromium	1/30	110/180	18

Sample ID	Criteria 1	Criteria 2	TP-9	TP-9
Sample Depth (ft. bgs)			6-8	10-12
Metals (mg/kg)				
Chromium	1/30	110/180	19.7	19.4
Lead	63	400	68.5	-

Sample ID	Criteria 1	Criteria 2	MW-1
Sample Depth (ft. bgs)			10-12
Metals (mg/kg)			
Chromium	1/30	110/180	19.4

Sample ID	Criteria 1	Criteria 2	MW-3
Sample Depth (ft. bgs)			4-6
Metals (mg/kg)			
Chromium	1/30	110/180	19.2

Sample ID	Criteria 1	Criteria 2	EXP-2
Sample Depth (ft. bgs)			2-4
Metals (mg/kg)			
Chromium	1/30	110/180	49.2
Trivalent Chromium	30	180	49.2
Semi-Volatile Organic Compounds (mg/kg)			
Benzo(b)fluoranthene	1	1	1 J
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.95 J

Sample ID	Criteria 1	Criteria 2	TP-7
Sample Depth (ft. bgs)			2-3
Metals (mg/kg)			
Barium	350	400	437
Chromium	30	180	69.1
Hexavalent Chromium	1	110	4.8
Trivalent Chromium	30	180	64.3
Lead	63	400	1,040
Zinc	109	10,000	705
Mercury	0.18	0.81	0.4
Pesticides (mg/kg)			
4,4'-DDT	0.0033	7.9	0.020 J
Semi-Volatile Organic Compounds (mg/kg)			
Benzo(a)anthracene	1	1	2.7
Benzo(a)pyrene	1	1	2.5
Benzo(b)fluoranthene	1	1	3
Benzo(k)fluoranthene	0.8	3.9	2.2
Chrysene	1	3.9	2.5
Dibenz(a,h)anthracene	0.33	0.33	0.51 J
Indeno(1,2,3-cd)pyrene	0.5	0.5	1.6 J
Per- and Polyfluoroalkyl Substances (ng/g)			
Perfluorooctanesulfonic acid (PFOS)	0.88	44	1

Sample ID	Criteria 1	Criteria 2	EXP-3	EXP-3
Sample Depth (ft. bgs)			7-8	10-11
Metals (mg/kg)				
Chromium	1/30	110/180	12.9	24.8

Sample ID	Criteria 1	Criteria 2	SS-1
Sample Depth (ft. bgs)			0-2
Metals (mg/kg)			
Cadmium	2.5	4.3	4.5
Chromium	1/30	110/180	646
Trivalent Chromium	30	180	646
Copper	50	270	491
Lead	63	400	533
Manganese	1,600	2,000	9,540
Nickel	30	310	185
Selenium	3.9	180	5.2 J
Zinc	109	10,000	933
Pesticides (mg/kg)			
4,4'-DDT	0.0033	7.9	0.02 J
Semi-Volatile Organic Compounds (mg/kg)			
Benzo[a]anthracene	1	1	1.7
Benzo[a]pyrene	1	1	1.9
Benzo[b]fluoranthene	1	1	2.8
Benzo[k]fluoranthene	0.8	3.9	1.1
Chrysene	1	3.9	2.2
Dibenz[a,h]anthracene	0.33	0.33	0.41 J
Indeno[1,2,3-cd]pyrene	0.5	0.5	1.2

Sample ID	Criteria 1	Criteria 2	TP-14	DUP-1 (TP-14)
Sample Depth (ft. bgs)			2-4	2-4
Metals (mg/kg)				
Chromium	1/30	110/180	84.5	446
Trivalent Chromium	30	180	84.1	-
Lead	63	400	106	222
Zinc	109	10,000	188	227
Manganese	1,600	2,000	-	13,300
Nickel	30	310	-	45.2

Sample ID	Criteria 1	Criteria 2	SS-6
Sample Depth (ft. bgs)			0-2
Metals (mg/kg)			
Chromium	1/30	110/180	445
Trivalent Chromium	30	180	445
Copper	50	270	132
Manganese	1,600	2,000	8,990
Nickel	30	310	39.1
Zinc	109	10,000	259
Pesticides (mg/kg)			
4,4'-DDD	0.0033	13	0.015 J
4,4'-DDE	0.0033	8.9	0.017 J
4,4'-DDT	0.0033	7.9	0.029 J
Semi-Volatile Organic Compounds (mg/kg)			
Benzo[a]anthracene	1	1	2.1 J
Benzo[a]pyrene	1	1	1.8 J
Benzo[b]fluoranthene	1	1	2.9
Benzo[k]fluoranthene	0.8	3.9	0.96 J
Chrysene	1	3.9	2.4
Dibenz(a,h)anthracene	0.33	0.33	0.4 J
Indeno[1,2,3-cd]pyrene	0.5	0.5	1.1 J
Volatile Organic Compounds (mg/kg)			
Xylenes, Total	0.26	100	0.81

Sample ID	Criteria 1	Criteria 2	MW-5
Sample Depth (ft. bgs)			4-6
Metals (mg/kg)			
Chromium	1/30	110/180	25.4

Sample ID	Criteria 1	Criteria 2	SB-3	SB-3
Sample Depth (ft. bgs)			0-2	2-4
Metals (mg/kg)				
Chromium	1/30	110/180	449	25.4
Hexavalent Chromium	1	110	2.5	-
Trivalent Chromium	30	180	447	-
Copper	50	270	81.6	-
Lead	63	400	633	-
Manganese	1,600	2,000	12,800	-
Nickel	30	310	39.5	-
Silver	2	180	2.4	-
Zinc	109	10,000	194	-

Sample ID	Criteria 1	Criteria 2	TP-11
Sample Depth (ft. bgs)			6-8
Metals (mg/kg)			
Chromium	1/30	110/180	24.5

Sample ID	Criteria 1	Criteria 2	SS-5
Sample Depth (ft. bgs)			0-2
Metals (mg/kg)			
Chromium	1/30	110/180	13.7
Lead	63	400	352
Nickel	30	310	40
Zinc	109	10,000	204

Sample ID	Criteria 1	Criteria 2	TP-2
Sample Depth (ft. bgs)			0-2
Metals (mg/kg)			
Lead	63	400	100
Mercury	0.18	0.81	0.26
Semi-Volatile Organic Compounds (mg/kg)			
Benzo(a)anthracene	1	1	2.4
Benzo(a)pyrene	1	1	2
Benzo(b)fluoranthene	1	1	2.5
Benzo(k)fluoranthene	0.8	3.9	0.83
Chrysene	1	3.9	2.2
Indeno(1,2,3-cd)pyrene	0.5	0.5	1.2
Volatile Organic Compounds (mg/kg)			
Acetone	0.05	100	0.065

Sample ID	Criteria 1	Criteria 2	TP-15
Sample Depth (ft. bgs)			2-3
Metals (mg/kg)			
Chromium	1/30	110/180	15.5
Lead	63	400	273
Zinc	109	10,000	129
Mercury	0.18	0.81	0.37
Per- and Polyfluoroalkyl Substances (ng/g)			
Perfluorooctanesulfonic acid (PFOS)	0.88	44	0.95

Sample ID	Criteria 1	Criteria 2	TP-12
Sample Depth (ft. bgs)			3-5
Metals (mg/kg)			
Chromium	1/30	110/180	50.8
Trivalent Chromium	30	180	50.8
Lead	63	400	274
Nickel	30	310	33.1
Zinc	109	10,000	165
Mercury	0.18	0.81	0.25
Semi-Volatile Organic Compounds (mg/kg)			
Benzo(b)fluoranthene	1	1	1.2
Benzo(k)fluoranthene	0.8	3.9	0.47
Chrysene	1	3.9	1.1

Sample ID	Criteria 1	Criteria 2	TP-13
Sample Depth (ft. bgs)			3-5
Metals (mg/kg)			
Chromium	1/30	110/180	23.2

Sample ID	Criteria 1	Criteria 2	MW-4	MW-4
Sample Depth (ft. bgs)			8-10	24-26
Metals (mg/kg)				
Chromium	1/30	110/180	20.7	19.8

Sample ID	Criteria 1	Criteria 2	HC-1
Sample Depth (ft. bgs)			0-0.5
Metals (mg/kg)			
Arsenic	13	16	23.9
Cadmium	2.5	4.3	2.7
Lead	63	400	493
Mercury	0.18	0.81	0.541
Semi-Volatile Organic Compounds (mg/kg)			
Benzo(a)anthracene	1	1	9.1
Benzo(a)pyrene	1	1	6.6 J
Benzo(b)fluoranthene	1	1	9.6
Benzo(k)fluoranthene	0.8	3.9	4.1 J
Chrysene	1	3.9	9
Indeno(1,2,3-cd)pyrene	0.5	0.5	4.8 J

Sample ID	Criteria 1	Criteria 2	HC-2
Sample Depth (ft. bgs)			0-0.5
Metals (mg/kg)			
Arsenic	13	16	13.5
Cadmium	2.5	4.3	4.78
Lead	63	400	1,070
Mercury	0.18	0.81	0.297
Semi-Volatile Organic Compounds (mg/kg)			
Benzo(a)anthracene	1	1	1.9 J
Benzo(b)fluoranthene	1	1	1.8 J
Benzo(k)fluoranthene	0.8	3.9	1.2 J
Chrysene	1	3.9	2.4 J

Sample ID	Criteria 1	Criteria 2	HC-3
Sample Depth (ft. bgs)			0-0.5
Metals (mg/kg)			
Arsenic	13	16	70.7
Barium	350	400	1,180
Cadmium	2.5	4.3	5.59
Lead	63	400	473
Mercury	0.18	0.81	0.422

Sample ID	Criteria 1	Criteria 2	HC-5
Sample Depth (ft. bgs)			0-0.5
Metals (mg/kg)			
Arsenic	13	16	21.2
Cadmium	2.5	4.3	3.34
Chromium	1/30	110/180	70.3
Lead	63	400	354

Legend

- Approximate Location of 2016 Roux Hand Core
- Approximate RI Soil Boring Location
- Approximate RI Soil Boring Location and Monitoring Well
- Approximate RI Surface Soil Sample and Test Pit Location
- Approximate RI Soil Vapor Location
- Approximate Location of 2016 Roux Test Pit
- Approximate Steel Pipe Location
- Approximate RI Exploration Test Pit
- Approximate Site Location

NOTES:

ft bgs = feet below the ground surface
mg/kg = milligrams per kilogram
ng/n = nanograms per gram
Criteria 1 = NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective
Criteria 2 = NYCRR Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective

Green highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective

Blue highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective and NYCRR Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objective

PROJECT # / DRAWING # / DATE:

2253075

Figure 4

3/20/2026

DRAWING NAME:

Soil Exceedances Map

PROJECT:

NYSDEC BCP
Site No. C915365

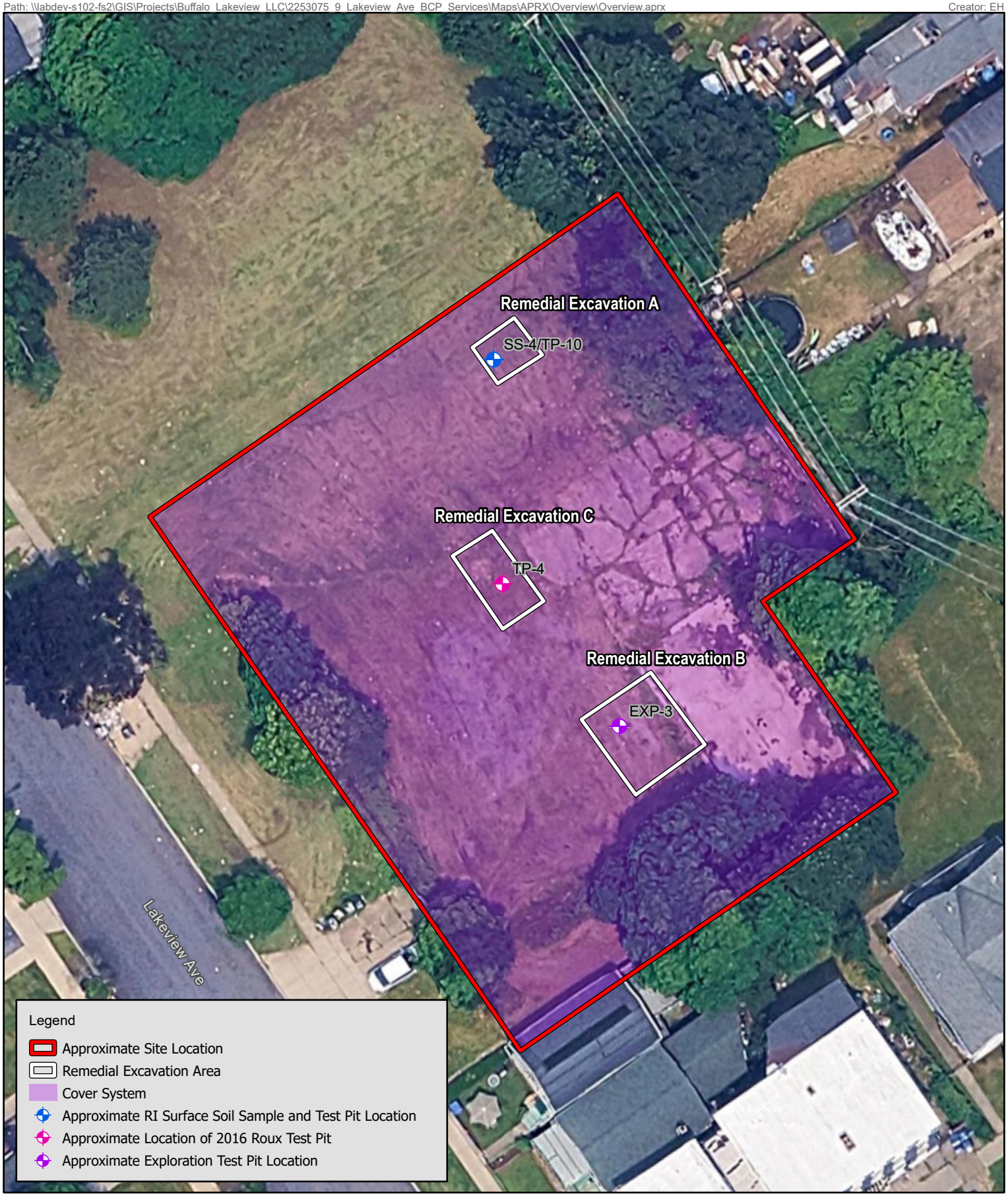
9 Lakeview Avenue
Buffalo, New York

N

0 20 40 Feet

LaBella
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Data Source: Google Earth, 2026; LaBella 2026; Regrid 2021.



PROJECT # / DRAWING # / DATE:	DRAWING NAME:	PROJECT:	
2253075 **Figure 5** 3/10/2026	Alternative 2: Excavation and Cover System Map	NYSDEC BCP Site No. C915365 9 Lakeview Avenue Buffalo, New York	N 0 15 30 Feet LaBella Powered by partnership.

Data Source: Google Earth, 2026; LaBella 2026; Regrid 2021.



TABLES

Table 1 - Investigation Locations and Sample Summary
9 Lakeview Avenue, Buffalo, New York
Sample Summary
LaBella Project #2253075

Sample ID	Collection Date	Depth (ft. bgs)	Material Sampled	Labortatory Analysis										Notes
				Full List VOCs plus TICs	TCL SVOCs plus TICs	CP-51 SVOCs	RCRA Metals	TAL Metals	PCBs	Pesticides	Herbicides	PFAS	TO-15 VOCs	
Surface Soil Samples														
SS-1 (TP-7)	7/10/2025	0-2	Fill	-	X	-	-	X	X	X	X	X	-	
SS-2 (TP-8)	7/10/2025	0-2	Fill	-	X	-	-	X	-	-	-	-	-	
SS-3 (TP-9)	7/10/2025	0-2	Fill	-	X	-	-	X	-	-	-	-	-	
SS-4 (TP-10)	7/10/2025	0-2	Fill	-	X	-	-	X	X	X	X	X	-	
SS-5 (TP-11)	7/10/2025	0-2	Fill	-	X	-	-	X	-	-	-	-	-	
SS-6 (TP-14)	9/25/2025	0-2	Fill	X	X	-	-	X	X	X	X	-	-	
HC-1	3/13/2020	0-0.5	Fill	-	-	X	X	-	-	-	-	-	-	
HC-2	3/13/2020	0-0.5	Fill	-	-	X	X	-	-	-	-	-	-	
HC-3	3/13/2020	0-0.5	Fill	-	-	X	X	-	-	-	-	-	-	
HC-5	3/13/2020	0-0.5	Fill	-	-	X	X	-	-	-	-	-	-	
Subsurface Soil Samples (Test Pits)														
TP-1	8/10/2016	0-2	Fill	-	X	X	X	-	-	-	-	-	-	
TP-2	8/10/2016	0-2	Fill	-	X	X	X	-	-	-	-	-	-	
TP-4	8/10/2016	4-6	Native Soil	-	X	X	X	-	-	-	-	-	-	
TP-5	8/10/2016	2-4	Native Soil	-	X	X	X	-	-	-	-	-	-	
TP-6	8/10/2016	4-6	Native Soil	-	X	X	X	-	-	-	-	-	-	
TP-7	7/10/2025	2-3	Fill	X	X	-	-	X	X	X	X	X	-	
TP-8	7/10/2025	3-4	Fill	-	X	-	-	X	-	-	-	-	-	
TP-9	7/10/2025	6-8	Native Soil	-	X	-	-	X	-	-	-	-	-	
TP-9	7/10/2025	10-12	Native Soil	-	X	-	-	X	-	-	-	-	-	
TP-10	7/10/2025	6-8	Native Soil	X	X	-	-	X	X	X	X	X	-	
TP-10	7/10/2025	12-14.8	Native Soil	X	X	-	-	X	X	X	X	X	-	
TP-11	7/10/2025	6-8	Native Soil	-	X	-	-	X	-	-	-	-	-	
TP-12	7/11/2025	3-5	Fill	-	X	-	-	X	-	-	-	-	-	
TP-13	7/11/2025	3-5	Native Soil	-	X	-	-	X	-	-	-	-	-	
TP-14	7/11/2025	2-4	Fill	-	X	-	-	X	-	-	-	-	-	DUP-1
DUP-1	7/11/2025	-	Fill	-	X	-	-	X	-	-	-	-	-	
TP-15	7/11/2025	2-3	Fill	X	X	-	-	X	X	X	X	X	-	MS/MSD
EXP-2	7/11/2025	2-4	Fill	X	X	-	-	X	-	-	-	-	-	
EXP-3	7/14/2025	7-8	Native Soil	X	X	-	-	X	-	-	-	-	-	
EXP-3	7/14/2025	10-11	Native Soil	X	X	-	-	X	-	-	-	-	-	
Subsurface Soil Samples (Soil Borings)														
MW-1	8/11/2025	10-12	Native Soil	X	X	-	-	X	X	X	X	X	-	
MW-2	8/12/2025	6-8	Native Soil	X	X	-	-	X	X	X	X	X	-	
MW-2	8/12/2025	10-12	Native Soil	X	X	-	-	-	-	X	X	-	-	
MW-3	8/12/2025	4-6	Native Soil	X	X	-	-	X	X	X	X	X	-	
MW-4	8/12/2025	8-10	Native Soil	X	X	-	-	-	-	-	-	-	-	
MW-4	8/12/2025	24-26.5	Native Soil	X	X	-	-	X	X	X	X	X	-	
MW-5	8/13/2025	4-6	Native Soil	X	X	-	-	X	X	X	X	X	-	
SB-1	8/12/2025	6-8	Native Soil	X	X	-	-	-	-	-	-	-	-	
SB-2	8/12/2025	10-12	Native Soil	X	X	-	-	-	-	-	-	-	-	
SB-3	8/13/2025	2-4	Fill	X	X	-	-	-	-	-	-	-	-	
SB-3	8/13/2025	0-2	Fill	X	X	-	-	-	-	-	-	-	-	
Soil Vapor/Outdoor Air Samples														
SV-1	8/11/2025	0-5	Soil Vapor	-	-	-	-	-	-	-	-	-	X	
SV-2	8/11/2025			-	-	-	-	-	-	-	-	-	X	
SV-3	8/11/2025			-	-	-	-	-	-	-	-	-	X	
SV-4	8/11/2025			-	-	-	-	-	-	-	-	-	X	
SV-5	8/11/2025			-	-	-	-	-	-	-	-	-	X	
OA-1	8/11/2025		Outdoor Air	-	-	-	-	-	-	-	-	-	X	

Full List VOCs plus TICs = Full List volatile organic compounds plus tentatively identified compounds via Method 8260
TCL SVOCs plus TICs= Target Compound List semivolatile organic compounds plus Tentitively Identified Compounds via Method 8720
TAL Metals = Target Analyte List metals via Method 6010/7471
TCL Pesticides = Target Compound List pesticides via Method 8081
PCBs = Polychlorinated Biphenyls via Method 8082
PFAS = Per- and polyfluoroalkyl substances via Method 537.1
TO-15 VOCs = Toxic Organics-15 volatile organic compounds in air
ft bgs = Feet below the ground surface

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Table 2A - Phase II Environmental Investigation Test Pit Subsurface Soil Results
9 Lakeview Avenue, Buffalo, New York
Detected Compounds Only
LaBella Project # 2253075

Sample ID	Part 375 Unrestricted Use SCOs	Part 375 Restricted Residential Use SCOs	TP-1	TP-2	TP-4	TP-5
Sample Depth (ft. bgs)			0-2	0-2	4-6	2-4
Sample Date			8/10/2016	8/10/2016	8/10/2016	8/10/2016
Metals (mg/kg)						
Arsenic	13	16	16	5.8	2.2	3.6
Barium	350	400	81	85	51	88
Cadmium	2.5	4.3		0.08		0.05
Chromium	30	180	4.6	14	9.9	16
Lead	63	400	96	100	8.2	12
Mercury	0.18	0.81	0.01	0.26	0.04	0.03
Selenium	3.9	180	1			
Silver	2	180				
Semi-Volatile Organic Compounds (mg/kg)						
Acenaphthene	20	100	0.025 J	0.76		
Fluoranthene	100	100	0.57	5.3	0.056 J	
Naphthalene	12	100				
Benzo(a)anthracene	1	1	0.28	2.4	0.026 J	
Benzo(a)pyrene	1	1	0.25	2		
Benzo(b)fluoranthene	1	1	0.42	2.5		
Benzo(k)fluoranthene	0.8	3.9	0.12	0.83		
Chrysene	1	3.9	0.4	2.2	0.025 J	
Acenapthylene	100	100	0.044 J			
Anthracene	100	100	0.082 J	1.5		
Benzo(g,h,i)perylene	100	100	0.18	1.1		
Fluorene	30	100	0.034 J	0.85	0.023 J	
Phenanthrene	100	100	0.61	4.4	0.064 J	
Dibenz(a,h)anthracene	0.33	0.33	0.057 J	0.03		
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.17	1.2		
Pyrene	100	100	0.51	4.3	0.048 J	
Volatile Organic Compounds (mg/kg)						
Tetrachloroethene	1.3	19				0.00051 J
1,1,1-Trichloroethane	0.68	100				0.00018 J
Benzene	0.06	4.8		0.00037 J	0.0048 J	0.00033 J
Acetone	0.05	100		0.065	0.026	0.036
2-Butanone (MEK)	0.12	100		0.0098 J	0.0042 J	
n-Butylbenzene	12	100			0.012	
sec-Butylbenzene	11	100			0.0052	
Isopropylbenzene	NL	NL			0.0011 J	
n-Propylbenzene	3.9	100			0.0053	
1,2,4-Trichlorobenzene	NL	NL				0.00026 J
1,2,4-Trimethylbenzene	3.6	52			0.0002 J	

NOTES:

mg/kg = milligrams per kilogram or parts per million (ppm)

ng/kg = nanograms per gram or parts per trillion (ppt)

Green highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)

Blue highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use SCO and NYCRR Part 375-6.8(b) Restricted Residential Use SCO

J indicates an estimated value

J+ indicates an estimated value biased high

J- indicates an estimated value biased low

UJ indicaters the analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

NA indicates Not Analyzed

^5- indicates linear range check is outside acceptance limits low biased

U indicates value changed to non-detect by third party validator

H indicates sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

N indicates presumptive evidence of material

✖ indicates value rejected by validator

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Table 2B - Remedial Investigation Test Pit Investigation Subsurface Soil Results
9 Lakeview Avenue, Buffalo, New York
Detected Compounds Only
LaBella Project # 2253075

Sample ID	Part 375 Unrestricted Use SCOs	Part 375 Restricted Residential Use SCOs	TP-7	TP-8	TP-9	TP-9	TP-10	TP-10	TP-11	TP-12	TP-13	TP-14	DUP-1 (TP-14)	TP-15	EXP-2	EXP-3	EXP-3
Sample Depth (ft. bgs)			2-3	3-4	6-8	10-12	6-8	12-14.8	6-8	3-5	3-5	2-4	2-4	2-3	2-4	7-8	10-11
Sample Date			7/10/2025	7/10/2025	7/10/2025	7/10/2025	7/10/2025	7/10/2025	7/10/2025	7/11/2025	7/11/2025	7/11/2025	7/11/2025	7/11/2025	7/11/2025	7/11/2025	7/11/2025
Metals (mg/kg)																	
Aluminum	NL	NL	12,800	15,400	16,300	16,000	23,700	17,300	20,800	22,800	20,200	21,500 J	10,700 J	11,200	12,200	7,410	20,000
Arsenic	13	16	7.3	3.5	4.2	2.2 J	2.9	4	3.8	10.9	3.8	7.6	10	7	4.4	3	4
Barium	350	400	437	78.8	97	93.5	103	115	118	171	112	140 J	248 J	115	80.9	51	102
Beryllium	7.2	72	0.61	0.85	0.71	0.68	0.99	0.74	0.89	1.7	0.84	1.1	1.3	0.59	1.1	0.37	0.73
Cadmium	2.5	4.3	0.68	0.18 J	0.27	0.19 J	0.14 J	0.17 J	0.32	0.59	0.23 J	0.57 J	1.6 J	0.27	0.4	0.26	0.11 J
Chromium	1/30[1]	110/180[1]	69.1	26.3	19.7	19.4	26.4	21.7	24.5	50.8	23.2	84.5 J	446 J	15.5	49.2	12.9	24.8
Hexavalent Chromium	1	110	4.8 J-	0.26 J-	NA	NA	NA	NA	NA			0.46 J-	NA			NA	NA
Trivalent Chromium	30	180	64.3	26.0	NA	NA	NA	NA	NA	50.8	23.2	84.1	NA	15.5	49.2	NA	NA
Cobalt	NL	NL	7.4	9.2	10.2	9	13.7	8.8	14.2	9.9	10.2	11.3	11.5	7	4.2	4.7	8.6
Copper	50	270	30.4	15.4	19.2	14.9	14.1	15.2	16.6	42.9	17.2	35.6 J	87 J	33.6	17	13.9	19.1
Iron	NL	NL	16,700	16,500	19,800	18,900	25,300	20,300	24,800	37,000	22,400	30,700	47,700	17,400	14,000	12,100	25,600
Lead	63	400	1,040	134	68.5	21	17.9	15.2	22.2	274	16.6	106 J	222 J	273	48.7	29.6	22.3
Magnesium	NL	NL	9,410	3,890	11,900	27,600	4,970	22,100	8,760	3,270	25,300	7,260 J	16,300 J	6,050	31,800	18,000	7,460
Manganese	1,600	2,000	597	307	483	454	336	404	749	213	514	1,160 J	13,300 J	287	1,170	338	472
Nickel	30	310	16.7	15.6	21.3	19.9	22.5	21.1	25	31.1	23.8	28.1	45.2	14.3	16.1	12.7	22.6
Potassium	NL	NL		2,500	4,070	5,340	4,260	5,570	4,300	3,090	6,780	4,500 J	1,370 J	2,020	2,410	2,020	4,910
Selenium	3.9	180	0.98 J	1.4 J									7.4	1.6 J	0.99 J	0.93 J	
Silver	2	180								0.29 J		0.39 J	1.1				
Sodium	NL	NL	206	168	252	340	155 J	328	160 J	387	357	187	302	163 J	345	187	128 J
Thallium	NL	NL											3.6 J				
Vanadium	NL	NL	29.4	30.1 B	31.7	31.2 B	40.4 B	33.8 B	39.4	41.2	37.3	43.5 J	74.5 J	24	22.4	19.1	39.1
Zinc	109	10,000	705	80.8	104	63.2	88	62.8	93.3	165	66.1	188	227	129	72.7	63.7	79.9
Calcium	NL	NL	57,600	5,070	28,900	68,700	2,110	59,000	14,800	19,200	70,500	35,300	11,000 J	19,400	126,000	50,300	9,110
Mercury	0.18	0.81	0.4	0.1	0.042	0.012 J	0.029	0.011 J	0.041	0.25	0.013 J	0.17 J	0.08 J	0.37	0.081	0.016 J	0.03
Pesticides (mg/kg)																	
4,4'-DDT	0.0033	7.9	0.020 J	NA	NA	NA	0.032 J	0.0015 J	NA	NA	NA	NA	NA	0.0019 J	NA	NA	NA
alpha-BHC	0.02	0.48		NA	NA	NA			NA	NA	NA	NA	NA	0.00088 J	NA	NA	NA
delta-BHC	0.04	100		NA	NA	NA			NA	NA	NA	NA	NA	0.0091 J	NA	NA	NA
Endrin	0.014	11		NA	NA	NA			NA	NA	NA	NA	NA	0.0014 J	NA	NA	NA
Endrin Aldehyde	NL	NL		NA	NA	NA			NA	NA	NA	NA	NA	0.0014 J	NA	NA	NA
Endrin Ketone	NL	NL		NA	NA	NA			NA	NA	NA	NA	NA	0.0027 J	NA	NA	NA
Methoxychlor	NL	NL		NA	NA	NA			NA	NA	NA	NA	NA	0.001 J	NA	NA	NA
Semi-Volatile Organic Compounds (mg/kg)																	
2-Methylnaphthalene	NL	NL					2.5			0.43		0.13 J	0.46 J	0.09 J		0.052 J	0.031 J
4-methylphenol (p-cresol)	0.33	100								0.049 J							
Acenaphthene	20	100					1.6			0.074 J				0.1 J			
Acenapthylene	100	100					0.072 J			0.11 J				0.053 J	0.46 J		
Anthracene	100	100					0.52			0.24 J		0.057 J		0.3	0.37 J		
Benzo(a)anthracene	1	1	2.7				0.015 J			0.88		0.23	0.14 J	0.71	0.62 J	0.053 J	
Benzo(a)pyrene	1	1	2.5		0.063 J		0.098 J			0.82		0.25		0.66	0.87 J	0.054 J	
Benzo(b)fluoranthene	1	1	3	0.058 J	0.081 J		0.1 J			1.2		0.31	0.2 J	0.78	1 J	0.075 J	0.033 J
Benzo(g,h,i)perylene	100	100	1.7 J		0.064 J					0.55		0.21		0.48	1.6 J	0.044 J	
Benzo(k)fluoranthene	0.8	3.9	2.2				0.071 J			0.47		0.17 J		0.41			
Biphenyl	NL	NL					0.56			0.048							
Carbozale	NL	NL					0.081 J			0.23		0.043 J		0.11 J			
Chrysene	1	3.9	2.5				0.12 J			1.1		0.27		0.74	0.66 J	0.066 J	
Dibenz(a,h)anthracene	0.33	0.33	0.51 J							0.19 J		0.055 J		0.13			
Dibenzofuran	NL	NL					1.5			0.15 J		0.038 J		0.12			
Di-n-butyl Phthalate	NL	NL														0.044 J	
Fluoranthene	100	100	4.2	0.068 J	0.1 J		0.55			2.2		0.55	0.26 J	1.6	1.2 J	0.12 J	0.052 J
Fluorene	30	100					1.1			0.1 J				0.1 J			
Indeno(1,2,3-cd)pyrene	0.5	0.5	1.6 J		0.047 J		0.051 J			0.48		0.16 J		0.39	0.95 J	0.039 J	
Naphthalene	12	100	< UJ				1.4			0.37		0.11 J	0.31 J	0.13 J		0.046 J	
Phenanthrene	100	100			0.065 J					1.3		0.35	0.24 J	1.1	0.66 J	0.082 J	0.077 J
Pyrene	100	100	3.4	0.057 J	0.07 J		0.36			1.6		0.4		1.2	0.78 J	0.088 J	0.037 J
Total TICs	NL	NL	80.5 TJ	5.35 TJ	1.9 TJ	2.25 TJ	26.93 TJ	5.11 TJ	4.5 TJN	14.12 TJN	1.4 TJ	2.1 TJ	2.4 TJ	14.17 TJN		15.26 TJN	2.6 TJ
Volatile Organic Compounds (mg/kg)																	
1,2,4-Trimethylbenzene	3.6	52	< UJ	NA	NA	NA	0.17		NA	NA	NA	NA	NA	< UJ			
1,3,5-Trimethylbenzene	8.4	52	< UJ	NA	NA	NA	0.098		NA	NA	NA	NA	NA	< UJ			
Methyl Acetate	NL	NL		NA	NA	NA	0.17 J		NA	NA	NA	NA	NA	< UJ			
Methyl ethyl ketone (2-butanone)	0.12	100		NA	NA	NA			NA	NA	NA	NA	NA	0.0014 J			
n - Propylbenzene	3.9	100	< UJ	NA	NA	NA	0.021 J		NA	NA	NA	NA	NA	< UJ			
Naphthalene	12	100	< UJ	NA	NA	NA	1		NA	NA	NA	NA	NA	< UJ			
n-Butylbenzene	12	100	< UJ	NA	NA	NA	0.047 J		NA	NA	NA	NA	NA	< UJ			0.013 J
sec-Butylbenzene	11	100	< UJ	NA	NA	NA	0.033 J		NA	NA	NA	NA	NA	< UJ			
Tetrachloroethene	1.3	19	0.0048 J	NA	NA	NA			NA	NA	NA	NA	NA	< UJ	0.0014 J		0.03 J
Total TICs	NL	NL	0.0077 J	NA	NA	NA	7.03 TJN	0.0037 TJ	NA	NA	NA	NA	NA			14.56 TJN	4.65 TJN
Per- and Polyfluoroalkyl Substances (ng/g)																	
Perfluorobutanoic acid (PFBA)	NL	NL	0.28 J	NA	NA	NA	0.16 J		NA	NA	NA	NA	NA	0.15 J	NA	NA	NA
Perfluoropentanoic acid (PFPeA)	NL	NL	0.97	NA	NA	NA	0.89	0.33	NA	NA	NA	NA	NA	0.4	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	NL	NL	0.52	NA	NA	NA	0.38	0.16 J	NA	NA	NA	NA	NA	0.25	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	NL	NL	0.31	NA	NA	NA			NA	NA	NA	NA	NA	0.071 J	NA	NA	NA
Perfluorooctanoic acid (PFOA)	0.66	33	0.29	NA	NA	NA			NA	NA	NA	NA	NA	0.13 J	NA	NA	NA
Perfluorononanoic acid (PFNA)	NL	NL	0.17 J	NA	NA	NA			NA	NA	NA	NA	NA		NA	NA	NA
Perfluorodecanic acid (PFDA)	NL	NL	0.13 J	NA	NA	NA			NA	NA	NA	NA	NA	0.073 J	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	0.88	44	1	NA	NA	NA			NA	NA	NA	NA	NA	0.95	NA	NA	NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	NL	NL	0.97	NA	NA	NA	0.19 J		NA	NA	NA	NA	NA		NA	NA	NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	NL	NL	3.9	NA	NA	NA			NA	NA	NA	NA	NA		NA	NA	NA
Perfluorodecanesulfonic acid (PFDS)	NL	NL	0.065 J	NA	NA	NA			NA	NA	NA	NA	NA		NA	NA	NA

NOTES:
mg/kg = milligrams per kilogram or parts per million (ppm)
ng/kg = nanograms per gram or parts per trillion (ppt)
Green highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)
Blue highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use SCO and NYCRR Part 375-6.8(b) Restricted Residential Use SCO
[1] hexavalent chromium/trivalent chromium
[2] total xylenes
NL = not listed
J indicates an estimated value
J+ indicates an estimated value biased high
J- indicates an estimated value biased low
UJ indicaters the analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
NA indicates Not Analyzed
^5- indicates linear range check is outside acceptance limits low biased
U indicates value changed to non-detect by third party validator
H indicates sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
N indicates presumptive evidence of material
indicates value rejected by validator

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Table 3 - Remedial Investigation Soil Boring Subsurface Soil Results
9 Lakeview Avenue, Buffalo, New York
Detected Compounds Only
LaBella Project # 2253075

Sample ID	Part 375 Unrestricted Use SCOs	Part 375 Restricted Residential Use SCOs	MW-1		MW-2		MW-2		MW-3		MW-4		MW-4		MW-5		SB-1		SB-2		SB-3		SB-3	
Sample Depth (ft bgs)			10-12		6-8		10-12		4-6		8-10		24-26		4-6		6-8		10-12		0-2		2-4	
Sample Date			8/11/2025		8/12/2025		8/12/2025		8/12/2025		8/12/2025		8/12/2025		8/13/2025		8/12/2025		8/12/2025		8/13/2025		8/13/2025	
Metals (mg/kg)																								
Aluminum	NL	NL	15,500		16,700		15,800		15,700		16,600		12,000		22,600		8,660		14,400		9,100		21,000	
Arsenic	13	16	2.3	J^5+	3.7	^5+	3.7	^5+	4.1	^5+	2.4	^5+	3.0	^5+	3.1	^5+	2.2	^5+	3.2	^5+	10.7	^5+	4.1	^5+
Barium	350	400	93.1		96.9		90.6		92.7		95.6		77.3		127		52.2		69.3		180		111	
Beryllium	7.2	72	0.67		0.7		0.67		0.69		0.7		0.51		0.88		0.36		0.6		0.66		0.95	
Cadmium	2.5	4.3	0.17	J	0.18	J	0.22	J	0.22	J	0.15	J	0.15	J			0.11	J	0.19	J	1.9		0.20	J
Chromium	1/30[1]	110/180[1]	19.4		19.7		18.7		19.2		20.7		19.8		25.4		11		18		449		25.4	
Hexavalent Chromium	1	110	NA		NA		NA		NA		NA		NA		NA		NA		NA		2.5		NA	
Trivalent Chromium	30	180	NA		NA		NA		NA		NA		NA		NA		NA		NA		447		NA	
Cobalt	NL	NL	8.3		9.4		9.2		9.1		8.3		8.3		7.9		4.5		8.1		12.8		15.8	
Copper	50	270	15.2	^5+	18	^5+	14	^5+	31	^5+	15.5	^5+	15.3	^5+	19.4	^5+	10	^5+	14.1	^5+	81.6	^5+	21.4	^5+
Iron	NL	NL	18,000		19,900		18,900		19,800		19,400		15,600		22,300		11,700		17,300		49,400		26,600	
Lead	63	400	13.2		16.7		14.8		20.1		13.7		28.9		20		14.3		13		683		23.2	
Magnesium	NL	NL	23,600		22,800		21,900		21,600		20,200		20,200		16,800		22,300		21,500		12,200		5,440	
Manganese	1,600	2,000	407		472		447		508		404		366		237		304		403		12,800		916	
Nickel	30	310	19.9		21.1		19.8		20.1		20.6		15.7		21.7		10		18.2		39.5		25.9	
Potassium	NL	NL	5,310		5,530		5,240		4,880		5,460		4,050		4,880		2,750		4,820		644		4,530	
Silver	2	180	0.25	J^5+	0.24	J^5+			0.26	J^5+			0.39	J^5+	0.26	J^5+					2.4	J^5+	0.26	J^5+
Sodium	NL	NL	353		282		255		263		307		240		211		244		286		301			
Vanadium	NL	NL	31.4		30.9		28.7		29.8		31.1		24.1		37		19.7		28.1		70.9		37.2	
Zinc	109	10,000	57.4		59.9		57.9		63.2		60.5		56.6		81.1		41		56.8		194		90	
Calcium	NL	NL	58,100		61,500		70,700		59,200		57,400		53,100		26,700		53,700		57,900		77,600		3,660	
Mercury	0.18	0.81	0.014	J	0.016	J	0.015	J	0.017	J	0.015	J	0.13		0.021	J	0.015	J	0.0097	J	0.067		0.028	
Pesticides (mg/kg)																								
4,4'-DDT	0.0033	7.9			0.0013	J					NA						NA		NA		NA		NA	
delta-BHC	0.04	100					0.00098	j			NA						NA		NA		NA		NA	
Endosulfan sulfate	2.4	24					0.0016	J	0.0013	J	NA				0.001	J	NA		NA		NA		NA	
Semi-Volatile Organic Compounds (mg/kg)																								
2-Methylnaphthalene	NL	NL							0.041	J											0.45	J		
Anthracene	100	100			0.074	J							<	UJ										
Benzo(a)anthracene	1	1			0.17	J			0.097	J			<	UJ							0.54	J		
Benzo(a)pyrene	1	1			0.13	J			0.092	J			<	UJ							0.9	J		
Benzo(b)fluoranthene	1	1			0.17	J			0.140	J			<	UJ					0.031	J	0.89	J		
Benzo(g,h,i)perylene	100	100			0.71	J			0.053	J											1.3	J		
Benzo(k)fluoranthene	0.8	3.9			0.61	J			0.044	J														
Bis(2-ethylhexyl)phthalate	NL	NL							0.05	J														
Carbozale	NL	NL			0.06	J																		
Chrysene	1	3.9			0.17	J			0.1	J			<	UJ							0.85	J		
Fluoranthene	100	100			0.4	J			0.210								0.040	J	0.041	J	1.4	J		
Fluorene	30	100			0.037	J																		
Indeno(1,2,3-cd)pyrene	0.5	0.5							0.054	J											0.67	J		
Phenanthrene	100	100			0.460																0.94	J		
Pyrene	100	100			0.310				0.180	J											1.4	J		
Total TICs	NL	NL	7.5	TJ	7.6	TJ	6.2	TJ	8.44	TJN	17.4	TJ	8.1	TJ	19.7	TJ	18.8	TJ	12.6	TJ	25.3	TJ	14.3	TJ
Volatile Organic Compounds (mg/kg)																								
1,3,5-Trimethylbenzene	8.4	52																			0.00035	J		
Acetone	0.05	100			0.011	J	0.035	J	0.018				0.017	J					0.013	J	0.030			
Benzene	0.06	4.8																			0.0013	J		
cis -1,2-Dichloroethene	0.25	100																	0.0064					
Cyclohexane	NL	NL																			0.00071	J		
Methyl Cyclohexane	NL	NL																			0.0016	J		
Methyl ethyl ketone (2-butanone)	0.12	100					0.0021	J	0.0021	J			0.0022	J							0.0029	J		
Tetrachloroethene	1.3	19																	0.027					
Toluene	0.7	100																			0.0023	J		
Trichloroethene	0.47	21																	0.012					
m,p-xylene [2]	0.26	100																			0.00087	J		
Total TICs	NL	NL					0.0094	THJ	0.010	JHJ	0.0078	THJ	0.0044	THJ	0.0041	TJ	0.017	THJ			0.017	TJ	0.015	TJ
Per- and Polyfluoroalkyl Substances (ng/g)																								
Perfluorobutanoic acid (PFBA)	NL	NL			0.27	J	NA				NA						NA		NA		NA		NA	
Perfluoropentanoic acid (PFPeA)	NL	NL			2.0		NA				NA						NA		NA		NA		NA	
Perfluorohexanoic acid (PFHxA)	NL	NL			0.75		NA				NA						NA		NA		NA		NA	
Perfluoroheptanoic acid (PFHpA)	NL	NL			0.095	J	NA				NA						NA		NA		NA		NA	
Perfluorooctanesulfonic acid (PFOS)	0.88	44			0.062	J	NA				NA						NA		NA		NA		NA	

NOTES:
mg/kg = milligrams per kilogram or parts per million (ppm)
ng/kg = nanograms per gram or parts per trillion (ppt)
Green highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)
Blue highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use SCO and NYCRR Part 375-6.8(b) Restricted Residential Use SCO
[1] hexavalent chromium/trivalent chromium
[2] total xylenes
NL = not listed
J indicates an estimated value
J+ indicates an estimated value biased high
J- indicates an estimated value biased low
NA indicates Not Analyzed
^5- indicates linear range check is outside acceptance limits low biased
U indicates value changed to non-detect by third party validator
H indicates sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
N indicates presumptive evidence of material
✖ indicates value rejected by validator
UJ indicaters the analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

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Table 4A - Phase II Environmental Investigation Hand Core Surface Soil Results
9 Lakeview Avenue, Buffalo, New York
Detected Compounds Only
LaBella Project # 2253075

Sample ID	Part 375 Unrestricted Use SCOs	Part 375 Restricted Residential Use SCOs	HC-1		HC-2		HC-3		HC-5	
Sample Date			3/13/2020		3/13/2020		3/13/2020		3/13/2020	
Metals (mg/kg)										
Arsenic	13	16	23.9		13.5		70.7		21.2	
Barium	350	400	137		188		1,180		198	
Cadmium	2.5	4.3	2.7		4.78		5.59		3.34	
Chromium	30	180	22.2		24.5		16.4		70.3	
Lead	63	400	493		1,070		473		354	
Mercury	0.18	0.81	0.541		0.297		0.422		0.131	
Selenium	3.9	180	2.94							
Silver	2	180	0.142	J	0.154	J			0.6	
Semi-Volatile Organic Compounds (mg/kg)										
Acenaphthene	20	100	2.8	J			0.12	J		
Fluoranthene	100	100	27		6.9		1.6		0.41	
Naphthalene	12	100	2.2	J	1.1		0.15	J	1	
Benzo(a)anthracene	1	1	9.1		1.9	J	0.86		0.28	
Benzo(a)pyrene	1	1	6.6	J			0.7		0.24	
Benzo(b)fluoranthene	1	1	9.6		1.8	J	0.92		0.37	
Benzo(k)fluoranthene	0.8	3.9	4.1	J	1.2	J	0.3		0.16	
Chrysene	1	3.9	9		2.4	J	0.76		0.33	
Acenapthylene	100	100					0.091	J		
Anthracene	100	100	5.1	J			0.29		0.058	J
Benzo(g,h,i)perylene	100	100	5.2	J	1.9 J	J	0.5		0.24	
Fluorene	30	100	3	J			0.13	J	0.034	J
Phenanthrene	100	100	22		4 J		1.1		0.49	
Dibenz(a,h)anthracene	0.33	0.33					0.1	J	0.043	J
Indeno(1,2,3-cd)pyrene	0.5	0.5	4.8	J			0.48		0.22	
Pyrene	100	100	22		8.3		1.4		0.39	
Volatile Organic Compounds (mg/kg)										
Tetrachloroethene	1.3	19	NA		NA		NA		NA	
1,1,1-Trichloroethane	0.68	100	NA		NA		NA		NA	
Benzene	0.06	4.8	NA		NA		NA		NA	
Acetone	0.05	100	NA		NA		NA		NA	
2-Butanone (MEK)	0.12	100	NA		NA		NA		NA	
n-Butylbenzene	12	100	NA		NA		NA		NA	
sec-Butylbenzene	11	100	NA		NA		NA		NA	
Isopropylbenzene	NL	NL	NA		NA		NA		NA	
n-Propylbenzene	3.9	100	NA		NA		NA		NA	
1,2,4-Trichlorobenzene	NL	NL	NA		NA		NA		NA	
1,2,4-Trimethylbenzene	3.6	52	NA		NA		NA		NA	

NOTES:

mg/kg = milligrams per kilogram or parts per million (ppm)

ng/kg = nanograms per gram or parts per trillion (ppt)

Green highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)

Blue highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use SCO and NYCRR Part 375-6.8(b) Restricted Residential Use SCO

J indicates an estimated value

J+ indicates an estimated value biased high

J- indicates an estimated value biased low

UJ indicaters the analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

NA indicates Not Analyzed

^5- indicates linear range check is outside acceptance limits low biased

U indicates value changed to non-detect by third party validator

H indicates sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

N indicates presumptive evidence of material

✖ indicates value rejected by validator

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Table 4B - Remedial Investigation Surface Soil Results
9 Lakeview Avenue, Buffalo, New York
Detected Compounds Only
LaBella Project # 2253075

Sample ID	Part 375 Unrestricted Use SCOs	Part 375 Restricted Residential Use SCOs	SS-1		SS-2		SS-3		SS-4		SS-5		SS-6	
Sample Date			7/10/2025		7/10/2025		7/10/2025		7/10/2025		7/10/2025		9/25/2025	
Metals (mg/kg)														
Aluminum	NL	NL	13,200		4,700		20,300		27,100		5,260		9,080	
Arsenic	13	16	10.8		10.3		6.3		4.3		5.5		4.7	
Barium	350	400	224	B	246	J+	135		157		149		125	
Beryllium	7.2	72	1.4		0.69		0.88		1.2		0.62		0.96	
Cadmium	2.5	4.3	4.5		0.18	J	0.31		0.17	J	2.1		1.2	
Calcium	NL	NL	76,200		21,600	J-	38,800		50,200		89,700		51,600	
Chromium	1/30[1]	110/180[1]	646		13.8		24.7		32.3		13.7		445	
Hexavalent Chromium	1	110							0.18	J-				
Trivalent Chromium	30	180	646		13.8		24.7		32.1		13.7		445	
Cobalt	NL	NL	9.1		6.1		10.5		13.6		4.3		5.1	
Copper	50	270	491		41.0		21.8		23.8		33.7		132	
Iron	NL	NL	98,800		13,400		23,100		30,100		15,000		33,900	
Lead	63	400	533		130		115		34.9		352		196	
Magnesium	NL	NL	14,800		2,930		12,000		14,400		7,500		10,100	
Manganese	1,600	2,000	9,540		133		401		491		361		8,990	
Nickel	30	310	185		16.3		26.0		33.5		40.0		39.1	^5-
Potassium	NL	NL	1,950		802		5,330		8,020		630		1,130	
Selenium	3.9	180	5.2	J	1.1	J								
Silver	2	180	1.4	J ^5-					0.23	J ^5-			0.79	^5-
Sodium	NL	NL	477	J	160		284		379		267		257	^5+
Thallium	NL	NL											0.92	J
Vanadium	NL	NL	61.4		21.4		38.2	B	50.3	B	12.5	B	44.9	
Zinc	109	10,000	933	^5- B	55.7	^5-	88.5	^5-	78.9	^5-	204	^5-	259	B
Mercury	0.18	0.81	0.077		0.91	J+	0.052		0.034		0.066		0.098	
Pesticides (mg/kg)														
4,4'-DDD	0.0033	13			NA		NA				NA		0.015	J
4,4'-DDE	0.0033	8.9			NA		NA				NA		0.017	J
4,4'-DDT	0.0033	7.9	0.02	J	NA		NA		0.0017	J	NA		0.029	J
Methoxychlor	NL	NL			NA		NA		0.0015	J	NA			
trans-Chlordane	NL	NL			NA		NA		0.0012	J	NA			
Polychlorinated Biphenyls (mg/kg)														
PCB-1260	NL	NL	0.00005		NA		NA				NA		0.00013	J
Total PCBs	0.1	1	0.00005		NA		NA				NA		0.00013	
Semi-Volatile Organic Compounds (mg/kg)														
2-Methylnaphthalene	NL	NL			0.22								0.37	J
Acenaphthylene	100	100			0.07	J								
Anthracene	100	100	0.37	J	0.1	J							0.85	J
Benzo[a]anthracene	1	1	1.7		0.46				0.16	J			2.1	
Benzo[a]pyrene	1	1	1.9		0.35		0.2		0.32				1.8	J
Benzo[b]fluoranthene	1	1	2.8		0.59		0.24		0.29				2.9	
Benzo[g,h,i]perylene	100	100	1.5		0.29		0.21		0.33				1.4	J
Benzo[k]fluoranthene	0.8	3.9	1.1		0.23		0.1	J	0.22				0.96	J
Biphenyl	NL	NL			0.041	J								
Chrysene	1	3.9	2.2		0.69				0.17	J			2.4	
Dibenz(a,h)anthracene	0.33	0.33	0.41	J	0.11	J			0.9	J			0.4	J
Dibenzofuran	7	5.9			0.094	J								
Fluoranthene	100	100	3.6		0.81		0.21		0.19				3.9	
Fluorene	30	100			0.035	J								
Indeno[1,2,3-cd]pyrene	0.5	0.5	1.2		0.21		0.16	J	0.29				1.1	J
Phenanthrene	100	100	1.6		0.79				0.98	J			2.6	
Pyrene	100	100	2.50		0.64		0.14	J	0.16	J			3.3	
TICs	NL	NL	49.4		24	TJN	18.73	TJN	13.54	TJN				
Volatile Organic Compounds (mg/kg)														
1,2,4-Trimethylbenzene	3.6	52	NA		NA		NA		NA		NA		0.23	
1,3,5-Trimethylbenzene	8.4	52	NA		NA		NA		NA		NA		0.1	
Benzene	0.06	4.8	NA		NA		NA		NA		NA		0.026	J
Cyclohexane	NL	NL	NA		NA		NA		NA		NA		0.16	
Ethylbenzene	1	4.1	NA		NA		NA		NA		NA		0.11	
Isopropylbenzene	NL	NL	NA		NA		NA		NA		NA		0.02	J
m,p-Xylene	0.26[2]	100[2]	NA		NA		NA		NA		NA		0.55	
o-Xylene	0.26[2]	100[2]	NA		NA		NA		NA		NA		0.26	
Xylenes, Total	0.26[2]	100[2]	NA		NA		NA		NA		NA		0.81	
Methyl acetate	NL	NL	NA		NA		NA		NA		NA		0.65	
Methylcyclohexane	NL	NL	NA		NA		NA		NA		NA		0.42	
n-Butylbenzene	12	100	NA		NA		NA		NA		NA		0.033	J
N-Propylbenzene	3.9	100	NA		NA		NA		NA		NA		0.051	J
Naphthalene	12	100	NA		NA		NA		NA		NA		0.16	J
Tetrachloroethene	1.3	19	NA		NA		NA		NA		NA		0.1	
Toluene	0.7	100	NA		NA		NA		NA		NA		0.41	
TICs	NL	NL	NA		NA		NA		NA		NA		1.14	THJN
Per- and Polyfluoroalkyl Substances (ng/g)														
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	NL	NL	0.29	J	NA		NA				NA			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	NL	NL	1.9		NA		NA				NA		0.22	J
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	NL	NL	0.34	J	NA		NA				NA			
3-Perfluoropentylpropanoic acid (5:3 FTCA)	NL	NL	0.48	J	NA		NA		0.33	J	NA			
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NL	NL	0.12	J	NA		NA				NA			
Perfluorobutanoic acid (PFBA)	NL	NL	0.39	J	NA		NA		0.36	J	NA			
Perfluorodecanesulfonic acid (PFDS)	NL	NL	0.25		NA		NA				NA		0.12	J
Perfluorodecanoic acid (PFDA)	NL	NL	0.57		NA		NA				NA		0.21	
Perfluorododecanoic acid (PFDoA)	NL	NL	0.24		NA		NA				NA		0.13	J
Perfluoroheptanoic acid (PFHpA)	NL	NL	0.30		NA		NA		0.14	J	NA		0.13	J
Perfluorohexanoic acid (PFHxA)	NL	NL	0.61		NA		NA		0.32		NA		0.16	J
Perfluorononanoic acid (PFNA)	NL	NL	0.32		NA		NA				NA		0.16	J
Perfluorooctanesulfonamide (PFOSA)	NL	NL	0.065	J	NA		NA				NA			
Perfluorooctanesulfonic acid (PFOS)	0.88	44	0.67		NA		NA		0.13	J	NA		0.85	
Perfluorooctanoic acid (PFOA)	0.66	33	0.37		NA		NA				NA		0.22	
Perfluoropentanoic acid (PFPeA)	NL	NL	0.83		NA		NA		0.88		NA		0.29	
Perfluorotetradecanoic acid (PFTeDA)	NL	NL	0.10	J	NA		NA				NA			
Perfluorotridecanoic acid (PFTrDA)	NL	NL	0.077	J	NA		NA				NA			
Perfluoroundecanoic acid (PFUnA)	NL	NL	0.28		NA		NA				NA		0.16	J

NOTES:
mg/kg = milligrams per kilogram or parts per million (ppm)
ng/kg = nanograms per gram or parts per trillion (ppt)
Green highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)
Blue highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use SCO and NYCRR Part 375-6.8(b) Restricted Residential Use SCO
[1] hexavalent chromium/trivalent chromium
[2] total xylenes
NL = not listed
J indicates an estimated value
J+ indicates an estimated value biased high
J- indicates an estimated value biased low
UJ indicaters the analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
NA indicates Not Analyzed
^5- indicates linear range check is outside acceptance limits low biased
U indicates value changed to non-detect by third party validator
H indicates sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
N indicates presumptive evidence of material
✖ indicates value rejected by validator

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Table 5 - Remedial Investigation Soil Vapor Results
9 Lakeview Avenue, Buffalo, New York
Detected Compounds Only
LaBella Project # 2253075

Sample ID	SV-1		SV-2		SV-3		SV-4		SV-5		OA	
Sample Date	8/11/2025		8/11/2025		8/11/2025		8/11/2025		8/11/2025		8/11/2025	
Dichlorodifluoromethane	2.3	J	4.3	J	2.3	J	2.6	J	2.5	J	2.8	J
1,2-Dichlorotetrafluoroethane	0.69	JH	<	UJ	<	UJ	<	UJ	<	UJ	<	UJ
Chloromethane	<	UJ	<	UJ	0.60	JH	0.91	JH	<	UJ	<	UJ
n-Butane	5.0	J	8.3	J	3.6	J	12	J	3.4	J	5.5	J
Chloroethane	<	UJ	2.5	J	<	UJ	<	UJ	<	UJ	<	UJ
Trichlorofluoromethane	1.3	J	1.6	J	1.1	J	1.9	J	1.3	J	1.1	J
1,1,2-Trichlorotrifluoroethane	0.99	JH	0.90	JH	0.73	JH	0.96	JH	0.70	JH	<	UJ
Acetone	24	J	240	J	100	J	190	J	<	UJ	<	UJ
Isopropyl Alcohol	<	UJ	11	JH	7.2	JH	9.1	JH	<	UJ	<	UJ
Carbon Disulfide	3.6	J	3.3	J	7.3	JH	28	J	1.4	JH	3.6	J
Methylene Chloride	1.1	JH	5.3	J	<	UJ	0.70	JH	<	UJ	2.6	J
tert-Butyl Alcohol	<	UJ	18	J	77	J	58	J	110	J	6.6	JH
Methyl tert-Butyl Ether	4.9	J	<	UJ	0.56	JH	1.2	J	0.51	JH	<	UJ
trans-1,2-Dichloroethene	<	UJ	0.32	JH	<	UJ	<	UJ	<	UJ	<	UJ
n-Hexane	4.8	J	4.7	J	<	UJ	2.7	J	1.2	J	<	UJ
Methyl Ethyl Ketone (2-Butanone)	5.3	J	13	J	<	UJ	18	J	30	J	<	UJ
cis-1,2-Dichloroethene	<	UJ	0.82	J	<	UJ	<	UJ	<	UJ	<	UJ
Chloroform	<	UJ	1.4	J	3.3	J	0.31	JH	0.46	JH	2.8	J
Cyclohexane	0.38	JH	3.5	J	0.57	JH	0.51	JH	0.77	J	<	UJ
Carbon Tetrachloride	<	UJ	0.47	J	<	UJ	0.49	J	<	UJ	<	UJ
2,2,4-Trimethylpentane	3.1	JH	0.76	JH	0.48	JH	0.90	JH	0.60	JH	<	UJ
Benzene	4.4	J	1.3	J	3.1	J	3.9	J	<	UJ	<	UJ
n-Heptane	<	UJ	1.0	J	0.80	JH	1.1	J	1.2	J	<	UJ
Trichloroethene	<	UJ	0.72	J	<	UJ	<	UJ	<	UJ	<	UJ
Methyl Methacrylate	<	UJ	0.74	JH	<	UJ	<	UJ	<	UJ	<	UJ
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	<	UJ	4.1	J	<	UJ	3.1	J	1.8	JH	<	UJ
Toluene	5.7	H	20	J	2.5	J	3.1	J	2.3	J	<	UJ
Tetrachloroethene	<	UJ	<	UJ	1.0	JH	<	UJ	5.4	J	13	J
Methyl Butyl Ketone (2-Hexanone)	<	UJ	0.88	JH	1.1	JH	0.76	JH	2.9	J	<	UJ
Chlorobenzene	<	UJ	<	UJ	0.45	JH	<	UJ	0.77	JH	<	UJ
Ethylbenzene	6.5	J	2.3	J	0.42	JH	1.8	J	0.55	JH	<	UJ
m,p-Xylene	13	J	7.7	J	1.2	JH	3.9	J	1.8	JH	<	UJ
o-Xylene	6.2	J	2.1	J	0.46	JH	1.7	J	0.78	JH	<	UJ
4-Ethyltoluene	<	UJ	0.63	JH	<	UJ	<	UJ	<	UJ	<	UJ
1,3-Dichlorobenzene	<	UJ	0.62	JH	<	UJ	5.0	J	30	J	<	UJ
Vinyl Chloride	<	UJ	<	UJ	<	UJ	0.53	J	<	UJ	<	UJ

Notes:

Concentrations in micrograms per cubic meter (ug/m^3)

H indicates sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

J indicates an estimated value

UJ indicaters the analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

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TABLE 6
REMEDIAL COST ESTIMATE
ALTERNATIVE 2: RESTRICTED RESIDENTIAL TRACK 4 CLEANUP
9 LAKEVIEW AVENUE, BUFFALO, NEW YORK

Item		Estimated Quantity	Unit Cost	Estimated Total
Task 1: Institutional Controls				
Placement of Environmental Easement		1 each	$10,000 lump sum	$10,000
Preparation of Site Management Plan		1 each	$7,000 lump sum	$7,000
			Institutional Controls Subtotal:	*$17,000*
Task 3: Soil Cover System				
New Building	Building Concrete Slab (12 inches) [1]	4,400 ft^2	$24 ft^2	$103,400
	Displaced Soil Export and Disposal [2]	140 ton	$65 ton	$9,100
	Vapor Barrier	4,400 ft^2	$0.41 ft^2	$1,804
	Active Sub-Slab Depressurization System	4,400 ft^2	$2.50 ft^2	$11,000
Asphalt Parking	Asphalt/#2 Crushed Stone (12 inches) [3]	9,600 ft^2	$5 ft^2	$48,000
	Displaced Soil Export and Disposal [4]	303 ton	$65 ton	$19,695
Landscaped	Hydroseed	4,300 ft^2	$0.20 ft^2	$860
	Topsoil (12 Inches)	160 yd^3	$48 yd^3	$7,680
	#2 Crushed Stone (12 Inches)	160 yd^3	$45 yd^3	$7,200
	Displaced Soil Export and Disposal [5]	136 ton	$65 ton	$8,840
Demarcation Layer		18,300 ft^2	$0.05 ft^2	$915
Air & Construction Monitoring [6]		6 month	$40,000 month	$240,000
			Soil Cover System Subtotal [7, 9]	*$458,494*
Task 4: Targeted Soil Removal Proximate TP-4				
Soil Excavation & Disposal		96 tons	$65 ton	*$6,240*
Remedial Monitoring		1 lump sum	$15,000 lump sum	*$15,000*
Confirmatory Soil Sampling/Waste Characterization		1 lump sum	$6,000 lump sum	*$6,000*
			Targeted Soil Removal Subtotal [10]	*$27,240*
Task 6: Additional Capital Costs				
Civil Site Design				$50,000
Contingency (20%) [11]				$9,715
			Additional Capitol Costs Subtotal [7, 8]	*$59,715*
Task 7: Reporting				
Remedial Action Workplan		1 each	$10,000 lump sum	$10,000
Final Engineering Report		1 each	$10,000 lump sum	$10,000
			Reporting Subtotal:	*$20,000*
Operation Maintenance & Monitoring (OM&M) Cost				
Annual Certification (30 Years)		30 each	$3,000 year	$90,000
			OM&M Subtotal:	*$90,000*
			Estimated Total Project Cost [9]	**$672,449**

Notes/Assumptions:

[1] Unit rate includes costs for geotextile fabric, six inches of stone, and six inches of concrete pad (building slab). Excludes cost for foundation/footer components.

[2] Assumes that six inches of soil will require displacement, and that the constructed Building Concrete Slab final elevation can be six inches above the existing grade.

[3] Unit rate includes cost for geotextile fabric, eight inches of stone, 2.5 inches of asphalt binder, and 1.5 inches of asphalt top.

[4] Assumes six inches of soil will require displacement, and that the constructed asphalt parking final elevation can be six inches above the existing grade.

[5] Assumes that six inches of soil will require displacement, and that the constructed Landscaped final elevation can be 18 inches above the existing grade.

[6] Air monitoring and construction monitoring costs will be determined based on the clients project schedule, site conditions, actual personnel needs.

[7] As civil site design and geotechnical assessment of the Site is outstanding, it is unknown whether final site design will require export and landfill disposal of site soil, or whether site soil displaced during construction may be reused on-site.

[9] Assumes that final project/civil design will require export of a moderate volume of soil from the Site for landfill disposal. Should export of soil from the Site for landfill disposal be required, the volume of soil exported will be dependent on actual site conditions and final project/civil site design.

[11] Contingency of 20% calculated using total for Task 3 and Task 4.

This cost estimate excludes New York State sales tax.

The above remedial cost estimate is for project planning only. Final remedial cost will be determined based on actual site conditions and the final Site design which is outstanding. Soil volume displacement estimates and soil disposal costs assume that placement of cover systems will require displacement and export of an equal volume of material placed to construct the cover system. Actual soil displacement and export volumes will be dependent on final site design, whether soil can be reincorporated into the site, and the appropriate final site elevations.

ft^2 = square foot

yd^3 = cubic yard

TABLE 7
REMEDIAL COST ESTIMATE
ALTERNATIVE 3: UNRESTRICTED TRACK 1 CLEANUP
9 LAKEVIEW AVENUE, BUFFALO, NEW YORK

Item	Estimated Quantity		Unit Cost		Estimated Total
Task 1: Remedial Construction					
Soil Disposal [1]	6,910	ton	$65	ton	$449,150
General Fill [2]	3,009	yd^3	$27	yd^3	$81,243
Crushed Stone [3]	611	yd^3	$45	ton	$27,495
Top Soil [4]	160	yd^3	$48	yd^3	$7,680
Air & Construction Monitoring [5]	6	months	$40,000	month	$240,000
			Remedial Construction Subtotal		*$805,568*
Task 2: Additional Capital Costs					
Civil Site Design					$50,000
Contingency (20%)					$161,114
			Additional Capitol Costs Subtotal		*$211,114*
Task 3: Reporting					
Remedial Action Workplan	1	each	$10,000	lump sum	$10,000
Final Engineering Report	1	each	$10,000	lump sum	$10,000
			Reporting Subtotal		*$20,000*
			Estimated Total Project Cost [8]		**$1,036,682**

Notes/Assumptions:

[1] Assumes excavation and landfill deposal of fill material across the entirety of the Site to an average depth of six feet below the ground surface.

[2] Assumes Site restoration will require import of five feet of general fill to be placed across the entirety of the Site with the exception of beneath the proposed building footprint. The proposed building footprint will require import of three feet of general fill.

[3] Assumes Site restoration will require placement of two feet of crushed stone beneath proposed building footprint, and eight inches of crushed stone beneath asphalt parking and sidewalks.

[4] Assumes Site restoration will require placement of one foot of topsoil across landscaped areas of the Site.

[5] Air monitoring and construction monitoring costs will be determined based on the clients project schedule, site conditions, actual personnel needs.

This cost estimate excludes New York State sales tax.

The above remedial cost estimate is for project planning only. Final remedial cost will be determined based on actual site conditions and the final Site design which is outstanding.

Cost estimate excludes costs for design and installation of shoring systems.

ft^2 = square foot

yd^3 = cubic yard

APPENDIX 1:
PHASE II ENVIRONMENTAL INVESTIGATION

Phase II Environmental Investigation

9 Lakeview Avenue Site
Buffalo, New York

March 2020 T0394-016-001

Prepared For:

Buffalo Lakeview, LLC



Prepared By:

TurnKey Environmental Restoration, LLC

2558 Hamburg Turnpike, Suite 300, Buffalo, New York | phone: (716) 856-0635 | fax: (716) 856-0583

PHASE II ENVIRONMENTAL INVESTIGATION REPORT

9 Lakeview Avenue
Buffalo, New York

March 2020 T0394-016-001

Prepared for:

Buffalo Lakeview, LLC.

Prepared by:

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, New York 14218

PHASE II ENVIRONMENTAL INVESTIGATION REPORT

9 Lakeview Avenue Site
Buffalo, New York

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PHASE II ENVIRONMENTAL INVESTIGATION REPORT

9 Lakeview Avenue Site
Buffalo, New York

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Appendix D	Laboratory Analytical Data Summary Packages

1.0 INTRODUCTION

1.1 Background and Site Description

TurnKey Environmental Restoration, LLC (TurnKey) performed a Phase II Environmental Investigation for Buffalo Lakeview, LLC. at the property addressed at 9 Lakeview Avenue, City of Buffalo, Erie County, New York (Site; see Figure 1).

The Site is located in a highly developed commercial and residential area. The Site was most recently used as an automotive repair facility. One structure is present on-Site; Building 1 is an existing garage/historic automotive repair facility. A second structure, Building 2 was a residence on the northern portion of the Site that has been demolished. The Site consists of one parcel totaling approximately 0.42-acres (see Figure 2) and is supplied with or has access to municipal sanitary sewer, electric, natural-gas and public water.

During TurnKey's initial site visit on August 10, 2016, we noted the presence of numerous automotive-related fluids in containers of various size scattered throughout interior and exterior areas. In addition, automobile parts were noted throughout interior and exterior areas. The automotive-related fluids and parts have since been removed; however, areas of black staining to earthen ground surfaces, apparently as a result of historic discharges, remain in several areas throughout the Site.

According to historic Sanborn maps (see Appendix A) the Site has a history as commercial with a former motor freight station in at least 1951. Online research indicates the Site was also historically used as an auto body/tire shop.

This investigation was performed to assess subsurface soil conditions and to assess whether the Site would be a possible candidate in the New York State Brownfield Cleanup Program (NYS BCP). We understand the Site is being considered for redevelopment that incudes apartment building(s).

2.0 SITE INVESTIGATION ACTIVITIES

2.1 Test Pit Investigation

On August 10, 2016, TurnKey mobilized a track-mounted excavator to the Site. As shown on Figure 2, six (6) test pits designated as TP-1 through TP-6 were completed to target depths between four (4) and eight (8) feet below ground surface (fbgs). Additional information relative to the test pits is provided in the table in Section 3.1.1.

The physical characteristics of all test pits were classified using the ASTM D2488 Visual-Manual Procedure Description. Soils from each test pit were screened via headspace screening using a MiniRae 2000 Photoionization Detector (PID). Visual and/or olfactory observations were noted. All field observations, including lithology, depths, PID scan results, etc., at each investigation location are summarized in the Test Pit Log sheets provided in Appendix B. Photographs taken during the work are included in Appendix C.

Four (4) soil samples selected for laboratory analysis were transported under chain-of custody command to Alpha Analytical (Alpha) in Westborough, Massachusetts for analysis of New York State Department of Environmental Conservation (NYSDEC) Commissioner Policy 51 (CP-51) and Target Compound List (TCL) volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and Resource Conservation and Recovery Act (RCRA) metals, via United States Environmental Protection Agency (USEPA) Methods 8260C, 8270D, 6010C/7471B, respectively. All samples were collected in laboratory provided sample bottles and were cooled to 4^0 C prior to transport.

2.2 Hand Core Sampling Activities

As indicated above, the existing building was emptied of automobile-related fluids and parts. On March 13, 2020, TurnKey collected four additional soil/fill samples from the Site using hand tools. Specifically, TurnKey collected three hand core (HC) soil/fill samples (HC-1 through HC-3) using a hand auger from the 0 to 0.5 foot interval beneath the interior concrete floor of Building 1; the soil/fill samples were collected by TurnKey subsequent to removal of the concrete floor using a concrete corer. Two additional soil/fill samples, HC-4 and HC-5, were collected using a hand auger (0 to 0.5-foot interval) from the exterior of the Site proximate to the northeast and northwest corners of Building 1.

The physical characteristics of all hand core samples were classified using the ASTM D2488 Visual-Manual Procedure Description. Soils from each investigation location were screened via headspace screening using a MiniRae 2000 PID. Visual and/or olfactory observations were noted. Additional information relative to each hand core sample is provided in the table below. Photographs taken during the work are included in Appendix C.

Four (4) soil samples selected for laboratory analysis were transported under chain-of custody command to Alpha for analysis of PAHs and RCRA metals via USEPA Methods 8270D and 6010C/7471B, respectively. All samples were collected in laboratory provided sample bottles and were cooled to 4^0 C prior to transport.

3.0 INVESTIGATION FINDINGS

3.1 Field Observations

Soil samples from the test pit investigation were observed and scanned via headspace screening for volatile organics using a PID. A brief description of the field observations during the boring investigation is presented below:

Investigation Location ID	Environmental Concern Assessed	Highest PID reading (parts per million, ppm) and depth (fbgs)	Other Observations
TP-1	Surface staining from automobile repair and general storage.	0.5 ppm from 0-2 fbgs.	Black staining, fill material approximately two (2) fbgs, ash-like material present to one (1) fbgs.
TP-2	Surface staining from automobile repair and storage.	0.0 ppm throughout test pit to four (4) fbgs.	Fill material with brick and glass to approximately three (3) fbgs, ash- like material present to one (1) fbgs.
TP-3	Automobile parts storage.	2.0 ppm to two (2) fbgs.	Black stained surface soils, fill to approximately two (2) fbgs
TP-4	Down-gradient of suspect former building foundation	465.5 ppm from four (4) to six (6) fbgs.	Suspect fill materials with slag, brick, glass, cinders, and asphalt to approximately two (2) fbgs, Petroleum-like odors throughout test pit from approximately three (3) to eight (8) fbgs.
TP-5	West of automotive repair building	4.0 ppm from three (3) to six (6) fbgs.	Mostly suspected slag from one (1) to three (3) fbgs. Two (2) steel pipes encountered at three (3) fbgs, petroleum like odors proximate to pipes from approximately two (2) to four (4) fbgs. Traced Pipes to central portion of parking lot but end not found.
TP-6	West of automotive repair building and suspected former building location.	0.0 ppm throughout test pit to six (6) fbgs.	Fill materials including gravel, brick, asphalt, and slag to four (4) fbgs.

Investigation Location ID	Environmental Concern Assessed	Highest PID reading (parts per million, ppm) and depth (fbgs)	Other Observations
HC-1	Southeastern portion of historic automotive repair area of Building 1.	8 ppm to 0.5 fbgs.	Fill material with brick and cinders.
HC-2	Southern portion of historic automotive repair area of Building 1.	10 ppm to 0.5 fbgs.	Black stained fill material.
HC-3	Southwestern portion of historic automotive repair area of Building 1.	0.0 ppm.	Fill material with brick and cinders.
HC-4	Northeast of Building 1.	0.0 ppm.	Fill material with plastic, glass and brick.
HC-5	Northwest of Building 1.	0.0 ppm.	Fill material with slag, brick and cinders.

3.2 Soil Analytical Results

Table 1 presents a summary of the detected VOCs, PAHs, and/or metals for each of the four (4) soil samples selected for laboratory analysis from the test pit investigation and the four (4) additional samples from hand core sampling. For comparative purposes, Table 1 includes 6NYCRR Part 375 Unrestricted Soil Cleanup Objectives (SCOs) and Restricted Residential SCOs (RRSCOs, which are the applicable SCOs for the Site since development of an apartment building is planned). Appendix D contains a copy of the laboratory analytical data package.

As summarized on Table 1, elevated PAH concentrations above USCOs and RRSCOs were identified in the soil/fill samples collected from the TP-2, HC-1 and HC-2.

Regarding metals, arsenic exceeded its respected RRSCO (16 milligrams per kilogram, mg/kg) at HC-1 (23.9 mg/kg), HC-3 (70.7 mg/kg) and HC-5 (21.2 mg/kg). Arsenic exceeded its USCOs at TP-1 and HC-2. Barium exceeded its respective RRSCO at HC-3 and cadmium exceeded its respective USCO and/or RRSCO at HC-1, HC-2, HC-3 and HC-5. Chromium exceeded its USCO at HC-5 and lead exceeded its USCO and/or RRSCO at TP-

1, TP-2, HC-1, HC-2, HC-3 and HC-5. Mercury exceeded its USCO at TP-2, HC-1, HC-2 and HC-3.

The elevated PAHs and metals discussed above are likely indicative of the conditions of the fill material across the Site.

No VOCs, PAHs, or metals were detected at concentrations above regulatory criteria in the soil samples from TP-4 or TP-5; however, petroleum-like odors and elevated PID readings (up to 465 ppm at TP-4) were identified at these locations.

Acetone exceeded the Unrestricted Use SCO at TP-2; however, acetone is a common laboratory artifact and is likely not indicative of Site conditions.

3.3 Site Geology/Hydrogeology

The overburden geology observed during the test pit investigation is generally described as fill materials, mainly consisting of ash, brick, slag, and glass fragments to depths to at least three (3) fbgs overlying native sand or combinations of sand and clay to at least eight (8) fbgs. Similar fill materials were noted during the hand core sampling completed in interior and exterior areas.

Groundwater was not encountered during the investigation activities.

Groundwater flow is likely to the west toward Lake Erie located approximately 0.4 miles from the Site. Local groundwater flow, however, may be influenced by subsurface features, such as excavations, utilities, and localized fill-conditions.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the Phase II investigation at the Site, TurnKey offers the following conclusions and recommendations:

- The Site, located within an historical industrial area, has a history of automotive repair with staining, apparently associated with historic discharges, noted to earthen ground surfaces in several areas throughout the Site.
- Fill materials with ash, cinders, slag, brick, glass fragments, etc. were noted across the Site during the work. Black stained soil/fill was noted at TP-1, TP-3 and HC-2.
- Elevated PAHs and/or metals were detected at concentrations above Part 375 SCOs, including RRSCOs (the applicable SCOs for the Site since development of an apartment building is planned), in samples collected from the fill material across the Site at TP-2, HC-1, HC-2, HC-3 and HC-5. TurnKey suspects that the elevated PAHs and metals are likely indicative of the fill material conditions across the Site.
- TP-4 (4-6 fbgs) exhibited an elevated PID reading of 465.5 ppm and petroleum-like odors.
- Petroleum-like odors were also noted proximate to two buried metal pipes encountered at TP-5. It is possible that these pipes are product piping related to an abandoned UST.

Based on the findings detailed above, the Site is a potential BCP candidate; however, if the Client wishes to pursue the BCP, TurnKey recommends that a pre-application meeting be scheduled with the NYSDEC to discuss the project.

5.0 LIMITATIONS

This report has been prepared for the exclusive use of Buffalo Lakeview, LLC. The contents of this report are limited to information available at the time of the Site investigation activities and to data referenced herein, and assume all referenced historic information sources to be true and accurate. The findings herein may be relied upon only at the discretion of Buffalo Lakeview, LLC. Use of or reliance on this report or its findings by any other person or entity is prohibited without written permission of TurnKey Environmental Restoration, LLC.

TABLE

TABLE 1

Phase II Environmental Investigation Results
9 Lakeview Avenue, Buffalo, NY

PARAMETER[1]	Unrestricted Use SCOs[2]	Restricted Residential Use SCOs[2]	Sample locations							
			TP-1	TP-2	TP-4	TP-5	HC-1	HC-2	HC-3	HC-5
			(0-2')	(0-2')	(4-6')	(2-4')	(0-0.5')	(0-0.5')	(0-0.5')	(0-0.5')
			08/10/2016	08/10/2016	08/10/2016	08/10/2016	03/13/2020	03/13/2020	03/13/2020	03/13/2020
Maximum PID Readings (ppm)	--	--	0.5	0	465.5	4	8	10	0	0
Olfactory Observations	--	--	None	None	Petroleum- like odors	Petroleum- like odors	None	None	None	None
Visual Observations	--	--	Black Stained Surface Soil, Ash (1'), Fill (0-4')	Fill (0-3'), Ash (1')	Fill with Trace Cinders (0-2'), Ash (1')	Fill with Slag, Ash and Brick (1-3'), Two Metal Pipes (3')	Fill with Brick and Cinders	Black Stained	Fill with Brick and Cinders	Fill with Slag, Brick and Cinders
Volatile Organic Compounds (VOCs) - mg/Kg [3]										
Tetrachloroethene	**1.3**	**19**	ND	ND	ND	0.00051 J	--	--	--	--
1,1,1-Trichloroethane	**0.68**	**100**	ND	ND	ND	0.00018 J	--	--	--	--
Benzene	**0.06**	**4.8**	ND	0.00037 J	0.00048 J	0.00033 J	--	--	--	--
Acetone	**0.05**	**100**	ND	**0.065**	0.026	0.036	--	--	--	--
2-Butanone (MEK)	**0.12**	**100**	ND	0.0098 J	0.0042 J	ND	--	--	--	--
n-Butylbenzene	**12**	**100**	ND	ND	0.012	ND	--	--	--	--
sec-Butylbenzene	**11**	**100**	ND	ND	0.0052	ND	--	--	--	--
Isopropylbenzene	**--**	**--**	ND	ND	0.0011 J	ND	--	--	--	--
n-Propylbenzene	**3.9**	**100**	ND	ND	0.0053	ND	--	--	--	--
1,2,4-Trichlorobenzene	**--**	**--**	ND	ND	ND	0.00026 J	--	--	--	--
1,2,4-Trimethylbenzene	**3.6**	**52**	ND	ND	0.0002 J	ND	--	--	--	--
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg [3]										
Acenaphthene	**20**	**100**	0.025 J	0.76	ND	ND	2.8 J	ND	0.12 J	ND
Fluoranthene	**100**	**100**	0.57	5.3	0.056 J	ND	27	6.9	1.6	0.41
Naphthalene	**12**	**100**	ND	ND	ND	ND	2.2 J	1.1 J	0.15 J	1
Benzo(a)anthracene	**1**	**1**	0.28	**2.4**	0.026 J	ND	**9.1**	**1.9 J**	0.86	0.28
Benzo(a)pyrene	**1**	**1**	0.25	**2**	ND	ND	**6.6 J**	ND	0.7	0.24
Benzo(b)fluoranthene	**1**	**1**	0.42	**2.5**	ND	ND	**9.6**	**1.8 J**	0.92	0.37
Benzo(k)fluoranthene	**0.8**	**3.9**	0.12	**0.83**	ND	ND	**4.1 J**	**1.2 J**	0.3	0.16
Chrysene	**1**	**3.9**	0.4	**2.2**	0.025 J	ND	**9**	**2.4 J**	0.76	0.33
Acenaphthylene	**100**	**100**	0.044 J	ND	ND	ND	ND	ND	0.091 J	ND
Anthracene	**100**	**100**	0.082 J	1.5	ND	ND	5.1 J	ND	0.29	0.058 J
Benzo(ghi)perylene	**100**	**100**	0.18	1.1	ND	ND	5.2 J	1.9 J	0.5	0.24
Fluorene	**30**	**100**	0.034 J	0.85	0.023 J	ND	3 J	ND	0.13 J	0.034 J
Phenanthrene	**100**	**100**	0.61	4.4	0.064 J	ND	22	4 J	1.1	0.49
Dibenzo(a,h)anthracene	**0.33**	**0.33**	0.057 J	0.3	ND	ND	ND	ND	0.1 J	0.043 J
Indeno(1,2,3-cd)pyrene	**0.5**	**0.5**	0.17	**1.2**	ND	ND	**4.8 J**	ND	0.48	0.22
Pyrene	**100**	**100**	0.51	4.3	0.048 J	ND	22	8.3	1.4	0.39
Total Metals- mg/Kg										
Aresenic, Total	**13**	**16**	**16**	5.8	2.2	3.6	**23.9**	**13.5**	**70.7**	**21.2**
Barium, Total	**350**	**400**	81	85	51	88	137	188	**1180**	198
Cadmium, Total	**2.5**	**4.3**	ND	0.08	ND	0.05	**2.7**	**4.78**	**5.59**	**3.34**
Chromium, Total	**30**	**180**	4.6	14	9.9	16	22.2	24.5	16.4	**70.3**
Lead, Total	**63**	**400**	**96**	**100**	8.2	12	**493**	**1070**	**473**	**354**
Mercury, Total	**0.18**	**0.81**	0.1	**0.26**	0.04	0.03	**0.541**	**0.297**	**0.422**	0.131
Selenium, Total	**3.9**	**180**	1	ND	ND	ND	2.94	ND	ND	ND
Silver, Total	**2**	**180**	ND	ND	ND	ND	0.142 J	0.154 J	ND	0.6

Notes:

1. Only those parameters detected at concentrations above laboratory detection limits are shown in the table above.
2. Values per NYSDEC part 375 Soil Cleanup Objectives (SCOs).
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparisons to SCOs

Definitions:

J = Estimated value; result is less than the sample quantitation limit but greater than zero.

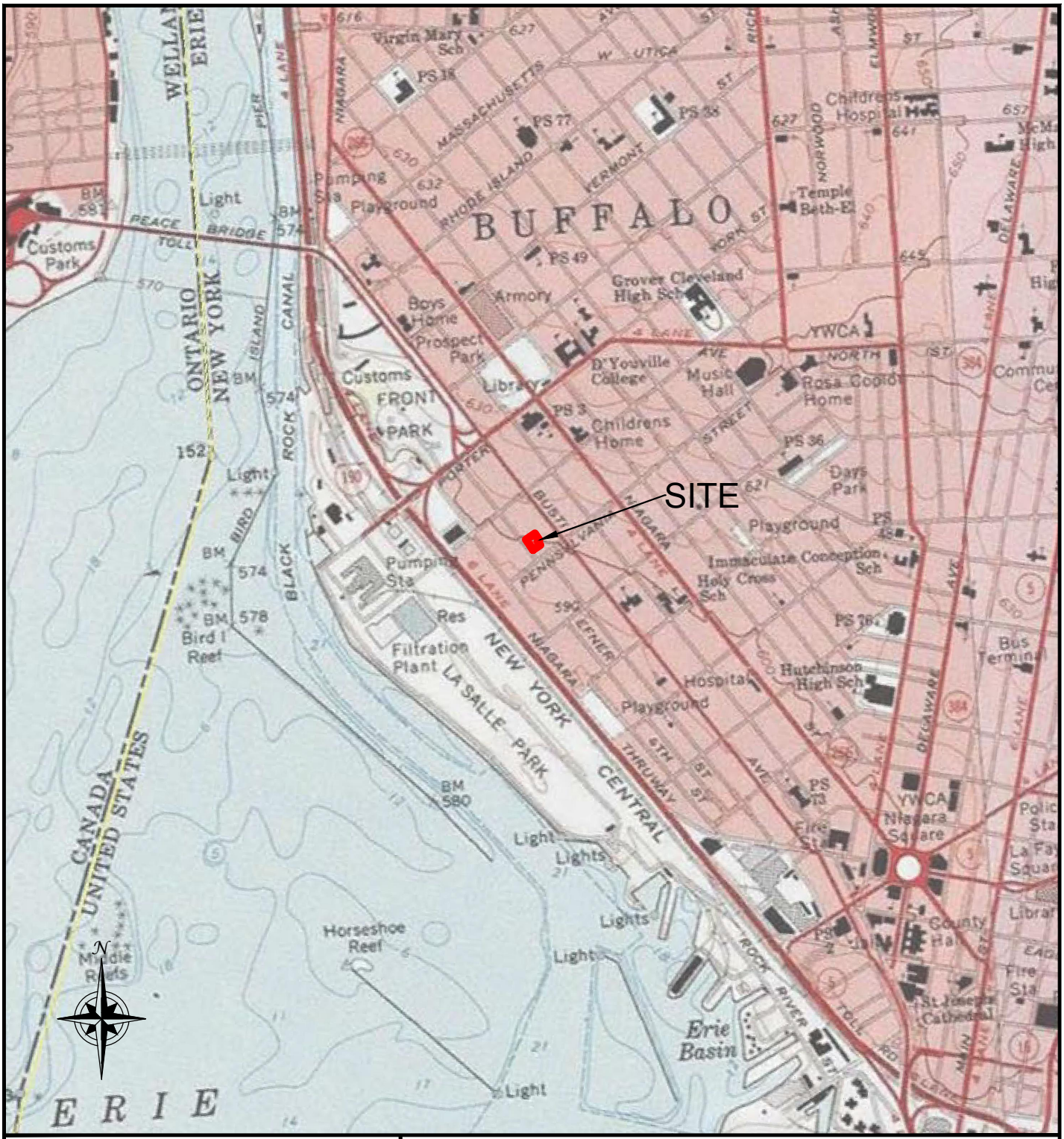
ND = Parameter not detected above laboratory detection limit.

Bold	: Exceeds NYSDEC Part 375 Unrestricted Use SCOs
Bold	: Exceeds NYSDEC Part 375 Restricted Residential Use SCOs

FIGURES

F:\CAD\TurnKey\LoFaso\9-21 Lakeview Ave\Figure 1 and 2.dwg

FIGURE 1



TURNKEY ENVIRONMENTAL RESTORATION, LLC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

SITE LOCATION AND VICINITY MAP

PHASE II ENVIRONMENTAL INVESTIGATION REPORT

9 LAKEVIEW AVENUE

BUFFALO, NEW YORK

PREPARED FOR

BUFFALO LAKEVIEW, LLC

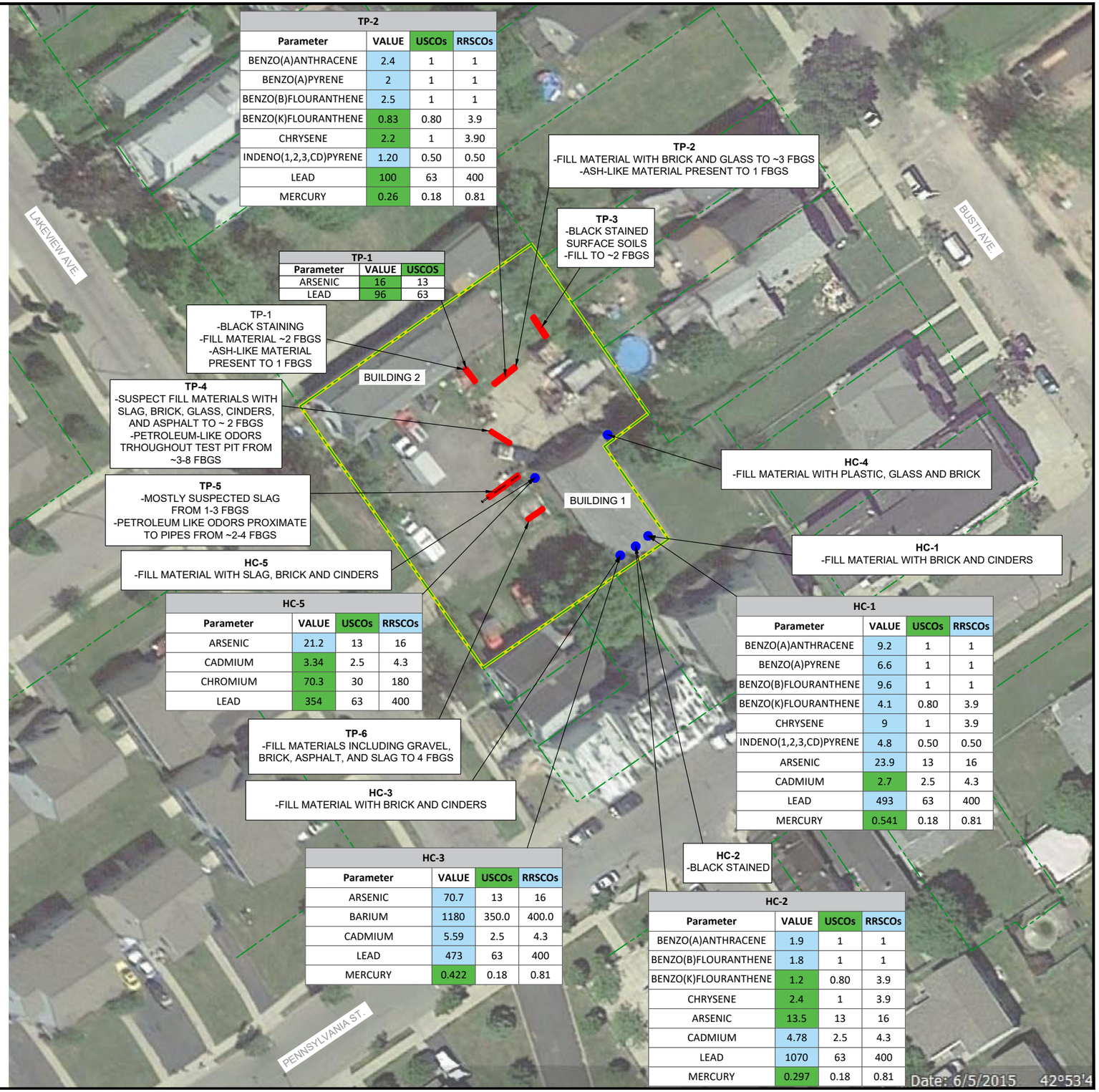
PROJECT NO.:	0394-016-001
DATE:	SEPTEMBER 2016
DRAFTED BY:	CMC

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LEGEND:

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- PIPES OF UNKNOWN NATURE
- TEST PIT
- HAND CORE



TP-2			
Parameter	VALUE	USCOs	RRSCOs
BENZO(A)ANTHRACENE	2.4	1	1
BENZO(A)PYRENE	2	1	1
BENZO(B)FLOURANTHENE	2.5	1	1
BENZO(K)FLOURANTHENE	0.83	0.80	3.9
CHRYSENE	2.2	1	3.90
INDENO(1,2,3,CD)PYRENE	1.20	0.50	0.50
LEAD	100	63	400
MERCURY	0.26	0.18	0.81

TP-1		
Parameter	VALUE	USCOS
ARSENIC	16	13
LEAD	96	63

HC-5			
Parameter	VALUE	USCOs	RRSCOs
ARSENIC	21.2	13	16
CADMIUM	3.34	2.5	4.3
CHROMIUM	70.3	30	180
LEAD	354	63	400

HC-1			
Parameter	VALUE	USCOs	RRSCOs
BENZO(A)ANTHRACENE	9.2	1	1
BENZO(A)PYRENE	6.6	1	1
BENZO(B)FLOURANTHENE	9.6	1	1
BENZO(K)FLOURANTHENE	4.1	0.80	3.9
CHRYSENE	9	1	3.9
INDENO(1,2,3,CD)PYRENE	4.8	0.50	0.50
ARSENIC	23.9	13	16
CADMIUM	2.7	2.5	4.3
LEAD	493	63	400
MERCURY	0.541	0.18	0.81

HC-3			
Parameter	VALUE	USCOs	RRSCOs
ARSENIC	70.7	13	16
BARIUM	1180	350.0	400.0
CADMIUM	5.59	2.5	4.3
LEAD	473	63	400
MERCURY	0.422	0.18	0.81

HC-2			
Parameter	VALUE	USCOs	RRSCOs
BENZO(A)ANTHRACENE	1.9	1	1
BENZO(B)FLOURANTHENE	1.8	1	1
BENZO(K)FLOURANTHENE	1.2	0.80	3.9
CHRYSENE	2.4	1	3.9
ARSENIC	13.5	13	16
CADMIUM	4.78	2.5	4.3
LEAD	1070	63	400
MERCURY	0.297	0.18	0.81

N

300' 0' 300' 600'

SCALE: 1 INCH = 300 FEET
SCALE IN FEET
(approximate)

DATE: MARCH 2020
DRAFTED BY: CMC/CMS

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0394-016-001

INVESTIGATION LOCATIONS AND AREAS OF CONCERN

PHASE II ENVIRONMENTAL INVESTIGATION REPORT
9 LAKEVIEW AVENUE
BUFFALO, NEW YORK

PREPARED FOR
Buffalo Lakeview, LLC

FIGURE 2

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APPENDIX A

SANBORN MAPS

1889

36

36

35

NIAGARA

39

STREET

STREET

SEVENTH

FRONT

JERSEY

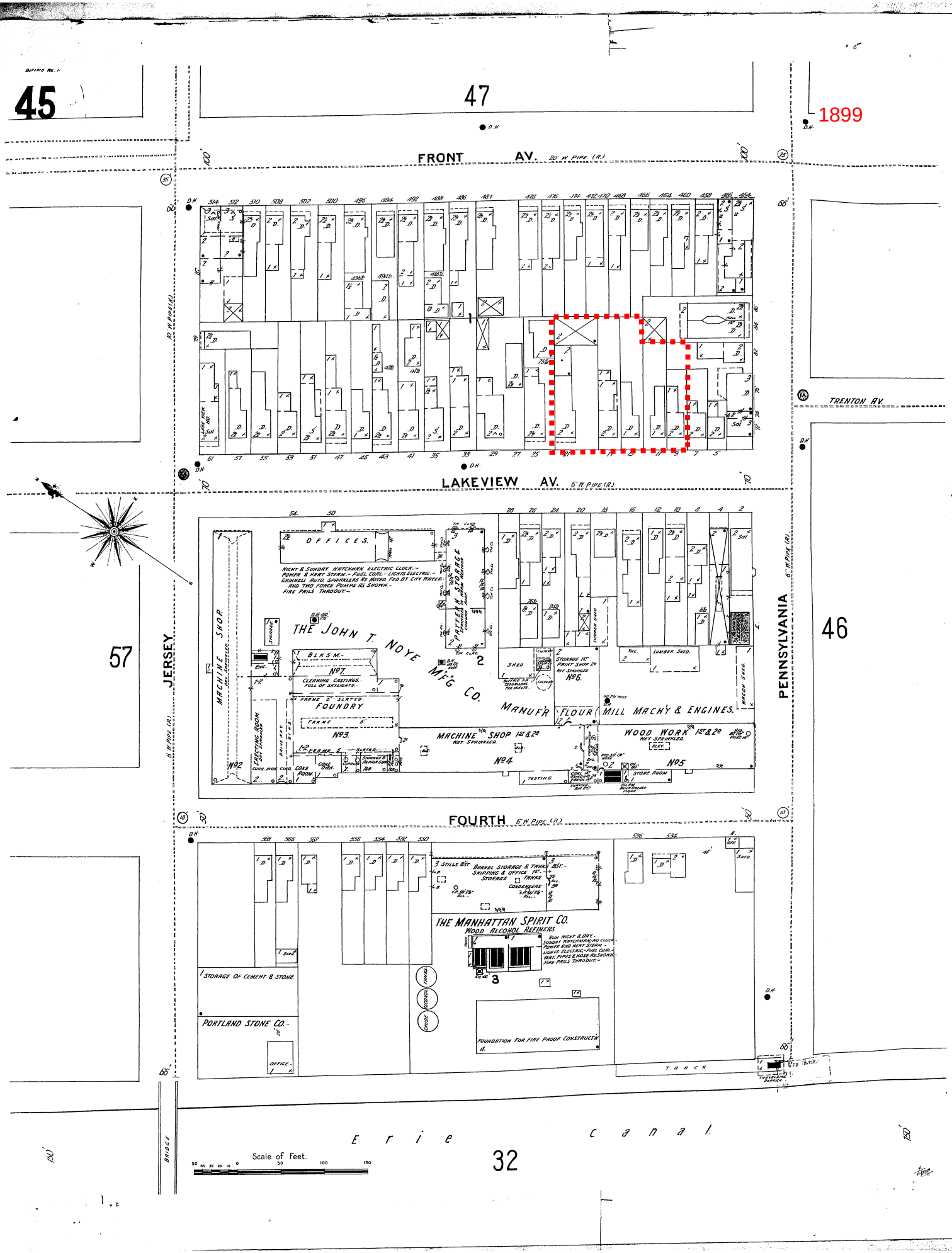
PENNSYLVANIA

39

LAKEVIEW AVENUE

FIFTH

38

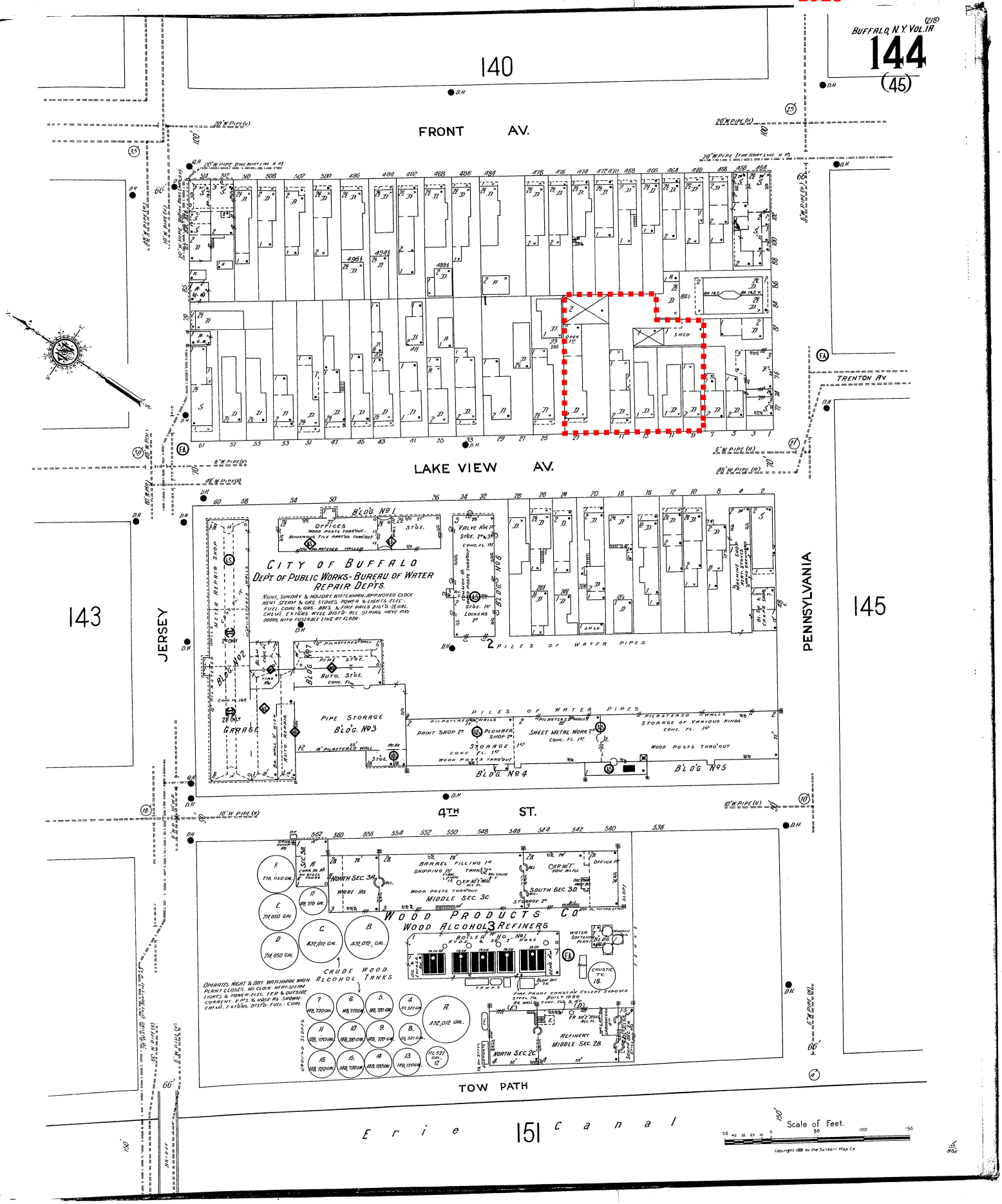

45
47
1899
FRONT AV. 20" W. PIPE (R.)
LAKEVIEW AV. 6" W. PIPE (R.)
TRENTON AV.
FOURTH 6" W. PIPE (R.)
JERSEY
PENNSYLVANIA
57
46
32
OFFICES.
MACHINE SHOP
THE JOHN T. NOYE MFG CO.
FOUNDRY
MACHINE SHOP 1ST & 2D
WOOD WORK 1ST & 2D
MANUF'R FLOUR MILL MACH'Y & ENGINES.
THE MANHATTAN SPIRIT CO.
WOOD ALCOHOL REFINERS.
PORTLAND STONE CO.
STORAGE OF CEMENT & STONE.
FOUNDATION FOR FIRE PROOF CONSTRUCT'N
TRACK
Erie canal
BRIDGE
Scale of Feet.

1925

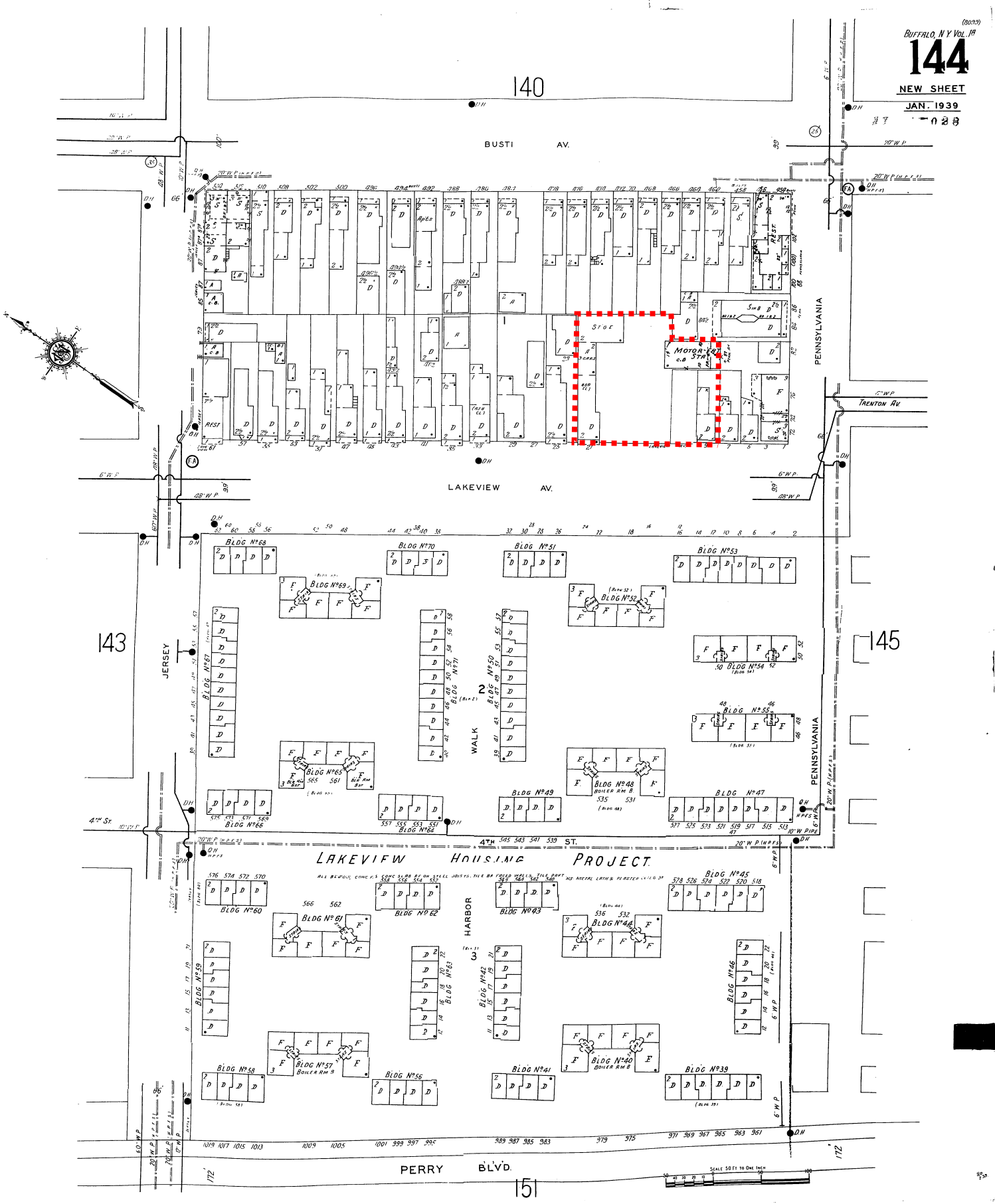
BUFFALO, N.Y. VOL. 1A (1B)

144

(45)



1951


(B099)
BUFFALO, N Y VOL. 1A
144
NEW SHEET
JAN. 1939
140
BUSTI AV.
LAKEVIEW AV.
PENNSYLVANIA
TRENTON AV
143
145
JERSEY
WALK
HARBOR
4TH ST.
47TH ST.
PERRY BLVD.
LAKEVIEW HOUSING PROJECT
BLDG Nº68
BLDG Nº69
BLDG Nº70
BLDG Nº51
BLDG Nº53
BLDG Nº52
BLDG Nº54
BLDG Nº55
BLDG Nº67
BLDG Nº65
BLDG Nº66
BLDG Nº50
BLDG Nº71
BLDG Nº49
BLDG Nº48
BOILER RM B
BLDG Nº47
BLDG Nº60
BLDG Nº61
BLDG Nº62
BLDG Nº43
BLDG Nº44
BLDG Nº45
BLDG Nº59
BLDG Nº63
BLDG Nº42
BLDG Nº46
BLDG Nº58
BLDG Nº57
BOILER RM A
BLDG Nº56
BLDG Nº41
BLDG Nº40
BOILER RM B
BLDG Nº39
MOTOR CAR STA
STORE
REST.
SCALE 50 Ft to One Inch

APPENDIX B

TEST PIT LOGS

TEST PIT EXCAVATION LOG

Project No: T0394-016-001
Project: 9 Lakeview Avenue
Client: Lofaso
Site Location: 9 Lakeview Avenue

Test Pit I.D.: TP-1
Logged By: NAS
Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol	PID VOCs (ppm: 0, 25, 50, 75, 100)	Lab Sample	Remarks
0.0	0.0	Ground Surface				
	0.0	***Ashy Fill*** Black, Moist, Mostly non-plastic fines, some ash-like material, brick no odor, loose when disurbed			Sampled (0-1')	
	-2.0					
	2.0	***Sandy Lean Clay*** Reddish-brown, mostly medium plasticity fines, some fine sand, trace brick, stiff, no odors			Sampled (2-4')	
	-4.0					
	4.0	***Lean Clay*** Grey, Moist, Mostly medium plasticity fines, little well graded sand, stiff, no odors			Sampled (6-8')	
5.0						
	-8.0					
	8.0	End of Test Pit				
10.0						

Excavated By: MJL
Excavator Type: Bobcat ZHS
Excavation Date(s): 08-10-2016
Comments:

Length: 10
Width: 3
Depth: 8

Depth to Water: NA
Visual Impacts: Black surface staining, ashy fill
Olfactory Observations: NA

TEST PIT EXCAVATION LOG

Project No: T0394-016-001
Project: 9 Lakeview Avenue
Client: Lofaso
Site Location: 9 Lakeview Avenue

Test Pit I.D.: TP-2
Logged By: NAS
Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol	PID VOCs (ppm)	Lab Sample	Remarks
0.0	0.0	Ground Surface				
	0.0	***Ashy Fill*** Greyish Black, Moist, Mostly non-plastic fines, some ash-like material, brick no odor, loose when disurbed			Sampled (0-2')	
	-2.0 / 2.0	***Sandy Lean Clay*** Reddish-brown, mostly medium plasticity fines, few fine sand, trace brick, stiff, no odors				
	-2.8 / 2.8	***Gravel*** Grey, moist, mostly gravel, some medium plasticity fines, few fine sand, loose when disturbed, no odors			Sampled (2-4')	
	-3.2 / 3.2	***Sandy Lean Clay*** Reddish-brown, mostly medium plasticity fines, few fine sand, trace brick, stiff, no odors				
	-4.0 / 4.0	End of Test Pit				
5.0						
10.0						

PID VOCs ppm: 0 25 50 75 100

Excavated By: MJL
Excavator Type: Bobcat ZHS
Excavation Date(s): 08-10-2016
Comments:

Length: 20
Width: 3
Depth: 4

Depth to Water: NA
Visual Impacts: Ashy fill
Olfactory Observations: NA

TEST PIT EXCAVATION LOG

Project No: T0394-016-001
Project: 9 Lakeview Avenue
Client: Lofaso
Site Location: 9 Lakeview Avenue

Test Pit I.D.: TP-3
Logged By: NAS
Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol	PID VOCs (ppm)	Lab Sample	Remarks
0.0	0.0	Ground Surface				
	0.0	***Ashy Fill*** Blackish grey, Moist, mostly non-plastic fines, some ash-like material brick,glass, gravel, no odor, loose when disurbed		2.0	Sampled (0-2')	
	-2.0					
	2.0	***Sandy Lean Clay*** Grey, moist, mostly non-plastic fines, some medium plasticity fines, trace brick,gravel, stiff, no odors				
	-4.0					
	4.0	***Lean Clay*** Reddish-brown, Moist, Mostly medium plasticity fines, few fine sand, stiff, no odors				
5.0						
	-6.0					
	6.0	***Lean Clay*** As above, grey, no odors				
	-8.0					
	8.0	End of Test Pit				
10.0						

PID VOCs ppm: 0 25 50 75 100

Excavated By: MJL
Excavator Type: Bobcat ZHS
Excavation Date(s): 08-10-2016
Comments:

Length: 10
Width: 3
Depth: 8

Depth to Water: NA
Visual Impacts: Black Surface Staining, ashy fill
Olfactory Observations: NA

TEST PIT EXCAVATION LOG

Project No: T0394-016-001
Project: 9 Lakeview Avenue
Client: Lofaso
Site Location: 9 Lakeview Avenue

Test Pit I.D.: TP-4
Logged By: NAS
Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol	PID VOCs (ppm, 0–2000)	Lab Sample	Remarks
0.0	0.0	Ground Surface				
	0.0	***Ashy Fill*** Blackish-Grey, moist, Mostly non-plastic fines, some gravel, few ash-like material, slag, brick, glass, asphault, firm, no odors				
	-2.0					
	2.0	***Lean clay with Sand*** Reddish-brown, moist, mostly medium plasticity fines, little well graded sands, trace cinders, gravel, firm, slight petroleum-like odors		108.8		
	-4.0					
	4.0	***Lean clay*** Grey, moist, mostly medium plasticity fines, few well graded sands,gravel firm, petroleum-like odors		465.5	Sampled (4-6')	
5.0						
				387.0	Sampled (6-8')	
	-8.0					
	8.0	End of Test Pit				
10.0						

Excavated By: MJL
Excavator Type: Bobcat ZHS
Excavation Date(s): 08-10-2016
Comments:

Length: 10
Width: 3
Depth: 8

Depth to Water: NA
Visual Impacts: Miscellaneous fill with ash
Olfactory Observations: Petroleum-like odors

TEST PIT EXCAVATION LOG

Project No: T0394-016-001
Project: 9 Lakeview Avenue
Client: Lofaso
Site Location: 9 Lakeview Avenue

Test Pit I.D.: TP-5
Logged By: NAS
Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol	PID VOCs (ppm, 0–2000)	Lab Sample	Remarks
0.0	0.0	Ground Surface				
	0.0	***Ashy Fill*** Brown, moist, mostly non-plastic fines, some ash-like material, gravel, slag, Few brick, glass, asphault, firm, no odors				
	-1.0 1.0	***Fill*** Greyish black, mostly slag, few brick, little non-plastic fines, steel piping at 3', petroleum-like odors				
	-3.0 3.0	***Lean clay*** Brownish-tan, moist, mostly medium plasticity fines, some fine sand, petroleum-like odors		2.0	Sampled (2-4')	
5.0						
	-8.0 8.0	End of Test Pit				
10.0						

Excavated By: MJL
Excavator Type: Bobcat ZHS
Excavation Date(s): 08-10-2016
Comments: Two steel pipes encountered at 3 fbgs

Length: 15
Width: 3
Depth: 8

Depth to Water: NA
Visual Impacts: Steel piping at 3', ashy fill
Olfactory Observations: Petroleum-like odors

TEST PIT EXCAVATION LOG

Project No: T0394-016-001
Project: 9 Lakeview Avenue
Client: Lofaso
Site Location: 9 Lakeview Avenue

Test Pit I.D.: TP-6
Logged By: NAS
Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol	PID VOCs (ppm, 0–2000)	Lab Sample	Remarks
0.0	0.0	Ground Surface				
	0.0	***Ashy Fill*** Brown, moist, Mostly non-plastic fines, some ash-like material, gravel, slag, few brick, glass, asphault, firm, no odors				
	-2.0					
	2.0	***Lean clay with fill*** Organish-brown, moist, mostly medium plasticity fines, little non-plastic fines, few brick, slag, stiff, no odors			Sampled (2-4')	
	-4.0					
	4.0	***Lean clay*** Reddish-brown, moist, mostly medium plasticity fines, massive, very stiff, no odors				
5.0						
	-6.0					
	6.0	End of Test Pit				
10.0						

Excavated By: MJL
Excavator Type: Bobcat ZHS
Excavation Date(s): 08-10-2016
Comments: Stopped at 6 fbgs due to hard clay

Length: 10
Width: 3
Depth: 6

Depth to Water: NA
Visual Impacts: Ashy fill
Olfactory Observations: NA

APPENDIX C

PHOTO LOG

TEST PIT INVESTIGATION - SITE PHOTOGRAPHS

Photo 1:



Photo 2:



Photo 3:



Photo 4:



Photo 1: View of the black surface staining at TP-1.

Photo 2: View of TP-1.

Photo 3: View of TP-2, note black fill material.

Photo 4: Another View of TP-2, note black and ashy fill material.

9 Lakeview Avenue Photo Date: August 10, 2016	TURNKEY

TEST PIT INVESTIGATION - SITE PHOTOGRAPHS

Photo 5:



Photo 6:



Photo 7:



Photo 8:



Photo 5: View of the pipes encountered at TP-5.

Photo 6: Another view of the piping noted within TP-5.

Photo 7: View of the slag noted in TP-5.

Photo 8: View of TP-5 showing black ashy fill.

9 Lakeview Avenue Photo Date: August 10, 2016	TURNKEY

TEST PIT INVESTIGATION - SITE PHOTOGRAPHS

Photo 9:



Photo 10:



Photo 11:



Photo 12:



Photo 9: View of TP-6 showing miscellaneous fill.

Photo 10: View of the former automotive repair garage, as well as view of the area of TP-4, TP-5.

Photo 11: View of the stored automotive parts noted on-Site.

Photo 12: View of the stored old automotive parts noted on-Site in the area of TP-2 and TP-3.

HAND CORE SAMPLES - SITE PHOTOGRAPHS

Photo 1:



Photo 2:



Photo 3:



Photo 4:



Photo 1: View of HC-1.

Photo 2: View of HC-2.

Photo 3: View of HC-3

Photo 4: View of HC-4.

APPENDIX D

LABORATORY ANALYTICAL DATA SUMMARY PACKAGE

ANALYTICAL REPORT

Lab Number:	L1624924
Client:	Turnkey Environmental Restoration, LLC 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nick Suraci
Phone:	(716) 856-0599
Project Name:	9-21 LAKEVIEW AVENUE
Project Number:	T0394-016-001
Report Date:	08/17/16

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001

Lab Number: L1624924
Report Date: 08/17/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1624924-01	TP-4 (4-6)	SOIL	9-21 LAKEVIEW AVENUE	08/10/16 09:40	08/10/16
L1624924-02	TP-5 (2-4)	SOIL	9-21 LAKEVIEW AVENUE	08/10/16 10:30	08/10/16
L1624924-03	TP-2 (0-2)	SOIL	9-21 LAKEVIEW AVENUE	08/10/16 08:45	08/10/16
L1624924-04	TP-1 (0-2)	SOIL	9-21 LAKEVIEW AVENUE	08/10/16 08:15	08/10/16

Project Name: 9-21 LAKEVIEW AVENUE **Lab Number:** L1624924
Project Number: T0394-016-001 **Report Date:** 08/17/16

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	9-21 LAKEVIEW AVENUE	**Lab Number:**	L1624924
Project Number:	T0394-016-001	**Report Date:**	08/17/16

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Total Mercury

The WG922128-4 MS recovery, performed on L1624924-01, is outside the acceptance criteria for mercury (123%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Melissa Cripps

Title: Technical Director/Representative Date: 08/17/16

ORGANICS

VOLATILES

Project Name: 9-21 LAKEVIEW AVENUE **Lab Number:** L1624924

Project Number: T0394-016-001 **Report Date:** 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-01
Client ID: TP-4 (4-6)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/16/16 17:44
Analyst: CBN
Percent Solids: 81%

Date Collected: 08/10/16 09:40
Date Received: 08/10/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	0.48	J	ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.8	0.34	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.14	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.16	1

Project Name: 9-21 LAKEVIEW AVENUE **Lab Number:** L1624924

Project Number: T0394-016-001 **Report Date:** 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-01 Date Collected: 08/10/16 09:40

Client ID: TP-4 (4-6) Date Received: 08/10/16

Sample Location: 9-21 LAKEVIEW AVENUE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.16	1
Styrene	ND		ug/kg	2.3	0.47	1
Dichlorodifluoromethane	ND		ug/kg	12	0.22	1
Acetone	26		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	4.2	J	ug/kg	12	0.32	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.77	1
Bromochloromethane	ND		ug/kg	5.8	0.32	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
n-Butylbenzene	12		ug/kg	1.2	0.13	1
sec-Butylbenzene	5.2		ug/kg	1.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.46	1
Isopropylbenzene	1.1	J	ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
n-Propylbenzene	5.3		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trimethylbenzene	0.20	J	ug/kg	5.8	0.16	1
Methyl Acetate	ND		ug/kg	23	0.31	1
Cyclohexane	ND		ug/kg	23	0.17	1
1,4-Dioxane	ND		ug/kg	120	17.	1
Freon-113	ND		ug/kg	23	0.32	1
Methyl cyclohexane	ND		ug/kg	4.6	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: 9-21 LAKEVIEW AVENUE **Lab Number:** L1624924

Project Number: T0394-016-001 **Report Date:** 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-02
Client ID: TP-5 (2-4)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/16/16 18:11
Analyst: CBN
Percent Solids: 80%

Date Collected: 08/10/16 10:30
Date Received: 08/10/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	0.51	J	ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	0.18	J	ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
Bromoform	ND		ug/kg	4.8	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	0.33	J	ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	6.0	0.35	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.16	1

Project Name: 9-21 LAKEVIEW AVENUE **Lab Number:** L1624924

Project Number: T0394-016-001 **Report Date:** 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-02 Date Collected: 08/10/16 10:30

Client ID: TP-5 (2-4) Date Received: 08/10/16

Sample Location: 9-21 LAKEVIEW AVENUE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	36		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.32	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
2-Hexanone	ND		ug/kg	12	0.80	1
Bromochloromethane	ND		ug/kg	6.0	0.33	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.47	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.18	1
1,2,4-Trichlorobenzene	0.26	J	ug/kg	6.0	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
Methyl Acetate	ND		ug/kg	24	0.32	1
Cyclohexane	ND		ug/kg	24	0.17	1
1,4-Dioxane	ND		ug/kg	120	17.	1
Freon-113	ND		ug/kg	24	0.33	1
Methyl cyclohexane	ND		ug/kg	4.8	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: 9-21 LAKEVIEW AVENUE **Lab Number:** L1624924

Project Number: T0394-016-001 **Report Date:** 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-03
Client ID: TP-2 (0-2)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/16/16 18:38
Analyst: CBN
Percent Solids: 75%

Date Collected: 08/10/16 08:45
Date Received: 08/10/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	0.37	J	ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.1	0.36	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.17	1

Project Name: 9-21 LAKEVIEW AVENUE **Lab Number:** L1624924

Project Number: T0394-016-001 **Report Date:** 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-03 Date Collected: 08/10/16 08:45

Client ID: TP-2 (0-2) Date Received: 08/10/16

Sample Location: 9-21 LAKEVIEW AVENUE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	65		ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	9.8	J	ug/kg	12	0.33	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
2-Hexanone	ND		ug/kg	12	0.81	1
Bromochloromethane	ND		ug/kg	6.1	0.34	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.21	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.48	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.17	1
Methyl Acetate	ND		ug/kg	24	0.33	1
Cyclohexane	ND		ug/kg	24	0.18	1
1,4-Dioxane	ND		ug/kg	120	18.	1
Freon-113	ND		ug/kg	24	0.33	1
Methyl cyclohexane	ND		ug/kg	4.9	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: 9-21 LAKEVIEW AVENUE **Lab Number:** L1624924

Project Number: T0394-016-001 **Report Date:** 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-04
Client ID: TP-1 (0-2)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/17/16 13:57
Analyst: CBN
Percent Solids: 90%

Date Collected: 08/10/16 08:15
Date Received: 08/10/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.6	0.33	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.15	1

Project Name: 9-21 LAKEVIEW AVENUE **Lab Number:** L1624924

Project Number: T0394-016-001 **Report Date:** 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-04 Date Collected: 08/10/16 08:15

Client ID: TP-1 (0-2) Date Received: 08/10/16

Sample Location: 9-21 LAKEVIEW AVENUE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Styrene	ND		ug/kg	2.2	0.45	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	ND		ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
2-Hexanone	ND		ug/kg	11	0.74	1
Bromochloromethane	ND		ug/kg	5.6	0.31	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.44	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
Methyl Acetate	ND		ug/kg	22	0.30	1
Cyclohexane	ND		ug/kg	22	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
Freon-113	ND		ug/kg	22	0.30	1
Methyl cyclohexane	ND		ug/kg	4.4	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	102		70-130

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001
Lab Number: L1624924
Report Date: 08/17/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/16/16 09:16
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG923507-5					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	0.93	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001
Lab Number: L1624924
Report Date: 08/17/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/16/16 09:16
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG923507-5					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001
Lab Number: L1624924
Report Date: 08/17/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/16/16 09:16
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG923507-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	107		70-130

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001
Lab Number: L1624924
Report Date: 08/17/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/16 09:05
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG923577-5					
Methylene chloride	3.8	J	ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001
Lab Number: L1624924
Report Date: 08/17/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/16 09:05
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG923577-5					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001
Lab Number: L1624924
Report Date: 08/17/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/16 09:05
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG923577-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001

Lab Number: L1624924
Report Date: 08/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG923507-3 WG923507-4								
Methylene chloride	100		107		70-130	7		30
1,1-Dichloroethane	93		105		70-130	12		30
Chloroform	102		112		70-130	9		30
Carbon tetrachloride	99		126		70-130	24		30
1,2-Dichloropropane	90		98		70-130	9		30
Dibromochloromethane	103		105		70-130	2		30
2-Chloroethylvinyl ether	104		104		70-130	0		30
1,1,2-Trichloroethane	91		91		70-130	0		30
Tetrachloroethene	88		106		70-130	19		30
Chlorobenzene	93		101		70-130	8		30
Trichlorofluoromethane	100		138		70-139	**32**	Q	30
1,2-Dichloroethane	121		126		70-130	4		30
1,1,1-Trichloroethane	100		121		70-130	19		30
Bromodichloromethane	109		116		70-130	6		30
trans-1,3-Dichloropropene	99		101		70-130	2		30
cis-1,3-Dichloropropene	102		107		70-130	5		30
1,1-Dichloropropene	84		105		70-130	22		30
Bromoform	97		99		70-130	2		30
1,1,2,2-Tetrachloroethane	82		83		70-130	1		30
Benzene	87		97		70-130	11		30
Toluene	84		95		70-130	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001

Lab Number: L1624924
Report Date: 08/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG923507-3 WG923507-4								
Ethylbenzene	88		99		70-130	12		30
Chloromethane	98		108		52-130	10		30
Bromomethane	146		**159**	Q	57-147	9		30
Vinyl chloride	85		109		67-130	25		30
Chloroethane	91		106		50-151	15		30
1,1-Dichloroethene	82		105		65-135	25		30
trans-1,2-Dichloroethene	85		100		70-130	16		30
Trichloroethene	92		108		70-130	16		30
1,2-Dichlorobenzene	96		99		70-130	3		30
1,3-Dichlorobenzene	94		101		70-130	7		30
1,4-Dichlorobenzene	95		100		70-130	5		30
Methyl tert butyl ether	102		106		66-130	4		30
p/m-Xylene	91		101		70-130	10		30
o-Xylene	93		103		70-130	10		30
cis-1,2-Dichloroethene	92		102		70-130	10		30
Dibromomethane	105		110		70-130	5		30
Styrene	96		102		70-130	6		30
Dichlorodifluoromethane	87		119		30-146	**31**	Q	30
Acetone	94		91		54-140	3		30
Carbon disulfide	74		91		59-130	21		30
2-Butanone	90		88		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE

Project Number: T0394-016-001

Lab Number: L1624924

Report Date: 08/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG923507-3 WG923507-4								
Vinyl acetate	104		109		70-130	5		30
4-Methyl-2-pentanone	87		87		70-130	0		30
1,2,3-Trichloropropane	88		90		68-130	2		30
2-Hexanone	86		86		70-130	0		30
Bromochloromethane	110		116		70-130	5		30
2,2-Dichloropropane	103		121		70-130	16		30
1,2-Dibromoethane	96		97		70-130	1		30
1,3-Dichloropropane	91		96		69-130	5		30
1,1,1,2-Tetrachloroethane	102		107		70-130	5		30
Bromobenzene	94		98		70-130	4		30
n-Butylbenzene	85		99		70-130	15		30
sec-Butylbenzene	82		96		70-130	16		30
tert-Butylbenzene	84		97		70-130	14		30
o-Chlorotoluene	85		93		70-130	9		30
p-Chlorotoluene	90		97		70-130	7		30
1,2-Dibromo-3-chloropropane	91		95		68-130	4		30
Hexachlorobutadiene	93		106		67-130	13		30
Isopropylbenzene	82		95		70-130	15		30
p-Isopropyltoluene	87		100		70-130	14		30
Naphthalene	95		96		70-130	1		30
Acrylonitrile	96		92		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001

Lab Number: L1624924
Report Date: 08/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG923507-3 WG923507-4								
Isopropyl Ether	97		103		66-130	6		30
tert-Butyl Alcohol	89		89		70-130	0		30
n-Propylbenzene	81		94		70-130	15		30
1,2,3-Trichlorobenzene	100		104		70-130	4		30
1,2,4-Trichlorobenzene	101		106		70-130	5		30
1,3,5-Trimethylbenzene	86		97		70-130	12		30
1,2,4-Trimethylbenzene	90		98		70-130	9		30
Methyl Acetate	93		92		51-146	1		30
Ethyl Acetate	**61**	Q	**50**	Q	70-130	20		30
Acrolein	95		93		70-130	2		30
Cyclohexane	73		100		59-142	**31**	Q	30
1,4-Dioxane	93		94		65-136	1		30
Freon-113	84		118		50-139	**34**	Q	30
1,4-Diethylbenzene	87		100		70-130	14		30
4-Ethyltoluene	83		96		70-130	15		30
1,2,4,5-Tetramethylbenzene	95		102		70-130	7		30
Tetrahydrofuran	87		91		66-130	4		30
Ethyl ether	100		101		67-130	1		30
trans-1,4-Dichloro-2-butene	102		104		70-130	2		30
Methyl cyclohexane	72		100		70-130	**33**	Q	30
Ethyl-Tert-Butyl-Ether	102		106		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE

Project Number: T0394-016-001

Lab Number: L1624924

Report Date: 08/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG923507-3 WG923507-4								
Tertiary-Amyl Methyl Ether	101		105		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	122		121		70-130
Toluene-d8	94		93		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	107		109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001

Lab Number: L1624924
Report Date: 08/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG923577-3 WG923577-4								
Methylene chloride	95		91		70-130	4		30
1,1-Dichloroethane	97		91		70-130	6		30
Chloroform	98		94		70-130	4		30
Carbon tetrachloride	104		93		70-130	11		30
1,2-Dichloropropane	95		92		70-130	3		30
Dibromochloromethane	96		96		70-130	0		30
2-Chloroethylvinyl ether	115		109		70-130	5		30
1,1,2-Trichloroethane	99		96		70-130	3		30
Tetrachloroethene	110		100		70-130	10		30
Chlorobenzene	102		96		70-130	6		30
Trichlorofluoromethane	108		93		70-139	15		30
1,2-Dichloroethane	96		93		70-130	3		30
1,1,1-Trichloroethane	103		94		70-130	9		30
Bromodichloromethane	95		92		70-130	3		30
trans-1,3-Dichloropropene	99		97		70-130	2		30
cis-1,3-Dichloropropene	97		94		70-130	3		30
1,1-Dichloropropene	103		91		70-130	12		30
Bromoform	96		96		70-130	0		30
1,1,2,2-Tetrachloroethane	96		95		70-130	1		30
Benzene	98		91		70-130	7		30
Toluene	101		94		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001

Lab Number: L1624924
Report Date: 08/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG923577-3 WG923577-4								
Ethylbenzene	104		97		70-130	7		30
Chloromethane	98		88		52-130	11		30
Bromomethane	95		87		57-147	9		30
Vinyl chloride	94		82		67-130	14		30
Chloroethane	98		89		50-151	10		30
1,1-Dichloroethene	100		88		65-135	13		30
trans-1,2-Dichloroethene	100		92		70-130	8		30
Trichloroethene	101		93		70-130	8		30
1,2-Dichlorobenzene	100		98		70-130	2		30
1,3-Dichlorobenzene	104		98		70-130	6		30
1,4-Dichlorobenzene	102		99		70-130	3		30
Methyl tert butyl ether	98		96		66-130	2		30
p/m-Xylene	105		98		70-130	7		30
o-Xylene	104		98		70-130	6		30
cis-1,2-Dichloroethene	98		93		70-130	5		30
Dibromomethane	98		96		70-130	2		30
Styrene	105		100		70-130	5		30
Dichlorodifluoromethane	96		85		30-146	12		30
Acetone	117		119		54-140	2		30
Carbon disulfide	83		74		59-130	11		30
2-Butanone	93		93		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE

Project Number: T0394-016-001

Lab Number: L1624924

Report Date: 08/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG923577-3 WG923577-4								
Vinyl acetate	88		87		70-130	1		30
4-Methyl-2-pentanone	99		99		70-130	0		30
1,2,3-Trichloropropane	99		99		68-130	0		30
2-Hexanone	100		101		70-130	1		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	103		93		70-130	10		30
1,2-Dibromoethane	97		98		70-130	1		30
1,3-Dichloropropane	98		97		69-130	1		30
1,1,1,2-Tetrachloroethane	101		96		70-130	5		30
Bromobenzene	100		97		70-130	3		30
n-Butylbenzene	109		100		70-130	9		30
sec-Butylbenzene	105		95		70-130	10		30
tert-Butylbenzene	103		95		70-130	8		30
o-Chlorotoluene	101		96		70-130	5		30
p-Chlorotoluene	102		96		70-130	6		30
1,2-Dibromo-3-chloropropane	96		100		68-130	4		30
Hexachlorobutadiene	111		102		67-130	8		30
Isopropylbenzene	104		95		70-130	9		30
p-Isopropyltoluene	106		98		70-130	8		30
Naphthalene	98		100		70-130	2		30
Acrylonitrile	98		99		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE

Project Number: T0394-016-001

Lab Number: L1624924

Report Date: 08/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG923577-3 WG923577-4								
Isopropyl Ether	93		89		66-130	4		30
tert-Butyl Alcohol	95		97		70-130	2		30
n-Propylbenzene	104		96		70-130	8		30
1,2,3-Trichlorobenzene	103		102		70-130	1		30
1,2,4-Trichlorobenzene	106		104		70-130	2		30
1,3,5-Trimethylbenzene	103		96		70-130	7		30
1,2,4-Trimethylbenzene	104		98		70-130	6		30
Methyl Acetate	95		95		51-146	0		30
Ethyl Acetate	**148**	Q	115		70-130	25		30
Acrolein	115		101		70-130	13		30
Cyclohexane	102		89		59-142	14		30
1,4-Dioxane	102		109		65-136	7		30
Freon-113	95		84		50-139	12		30
1,4-Diethylbenzene	109		101		70-130	8		30
4-Ethyltoluene	105		97		70-130	8		30
1,2,4,5-Tetramethylbenzene	104		99		70-130	5		30
Tetrahydrofuran	82		84		66-130	2		30
Ethyl ether	94		92		67-130	2		30
trans-1,4-Dichloro-2-butene	87		86		70-130	1		30
Methyl cyclohexane	106		92		70-130	14		30
Ethyl-Tert-Butyl-Ether	96		93		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE

Project Number: T0394-016-001

Lab Number: L1624924

Report Date: 08/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG923577-3 WG923577-4								
Tertiary-Amyl Methyl Ether	97		96		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: 9-21 LAKEVIEW AVENUE
Lab Number: L1624924
Project Number: T0394-016-001
Report Date: 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-01
Client ID: TP-4 (4-6)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/14/16 13:04
Analyst: MW
Percent Solids: 81%

Date Collected: 08/10/16 09:40
Date Received: 08/10/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/13/16 14:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Fluoranthene	56	J	ug/kg	120	23.	1
Benzo(a)anthracene	26	J	ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	25	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	23	J	ug/kg	200	20.	1
Phenanthrene	64	J	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	48	J	ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	90		30-120
4-Terphenyl-d14	93		18-120

Project Name: 9-21 LAKEVIEW AVENUE
Lab Number: L1624924
Project Number: T0394-016-001
Report Date: 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-02
Client ID: TP-5 (2-4)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/14/16 13:29
Analyst: MW
Percent Solids: 80%

Date Collected: 08/10/16 10:30
Date Received: 08/10/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/13/16 14:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Fluoranthene	ND		ug/kg	120	24.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	85		30-120
4-Terphenyl-d14	98		18-120

Project Name: 9-21 LAKEVIEW AVENUE
Lab Number: L1624924
Project Number: T0394-016-001
Report Date: 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-03
Client ID: TP-2 (0-2)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/14/16 13:55
Analyst: MW
Percent Solids: 75%

Date Collected: 08/10/16 08:45
Date Received: 08/10/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/13/16 14:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	760		ug/kg	180	23.	1
Fluoranthene	5300		ug/kg	130	25.	1
Benzo(a)anthracene	2400		ug/kg	130	25.	1
Benzo(a)pyrene	2000		ug/kg	180	54.	1
Benzo(b)fluoranthene	2500		ug/kg	130	37.	1
Benzo(k)fluoranthene	830		ug/kg	130	35.	1
Chrysene	2200		ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	1500		ug/kg	130	43.	1
Benzo(ghi)perylene	1100		ug/kg	180	26.	1
Fluorene	850		ug/kg	220	21.	1
Phenanthrene	4400		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	300		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	180	31.	1
Pyrene	4300		ug/kg	130	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	80		30-120
4-Terphenyl-d14	84		18-120

Project Name: 9-21 LAKEVIEW AVENUE **Lab Number:** L1624924

Project Number: T0394-016-001 **Report Date:** 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-04
Client ID: TP-1 (0-2)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/14/16 14:20
Analyst: MW
Percent Solids: 90%

Date Collected: 08/10/16 08:15
Date Received: 08/10/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/13/16 14:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	25	J	ug/kg	140	19.	1
Fluoranthene	570		ug/kg	110	21.	1
Benzo(a)anthracene	280		ug/kg	110	20.	1
Benzo(a)pyrene	250		ug/kg	140	44.	1
Benzo(b)fluoranthene	420		ug/kg	110	31.	1
Benzo(k)fluoranthene	120		ug/kg	110	29.	1
Chrysene	400		ug/kg	110	19.	1
Acenaphthylene	44	J	ug/kg	140	28.	1
Anthracene	82	J	ug/kg	110	36.	1
Benzo(ghi)perylene	180		ug/kg	140	21.	1
Fluorene	34	J	ug/kg	180	18.	1
Phenanthrene	610		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	57	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	170		ug/kg	140	25.	1
Pyrene	510		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	82		30-120
4-Terphenyl-d14	78		18-120

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001
Lab Number: L1624924
Report Date: 08/17/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/15/16 13:16
Analyst: MW

Extraction Method: EPA 3546
Extraction Date: 08/13/16 14:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG922553-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	97	19.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	57		30-120
4-Terphenyl-d14	60		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001

Lab Number: L1624924
Report Date: 08/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG922553-2 WG922553-3								
Acenaphthene	61		65		31-137	6		50
2-Chloronaphthalene	57		60		40-140	5		50
Fluoranthene	58		62		40-140	7		50
Naphthalene	58		61		40-140	5		50
Benzo(a)anthracene	58		62		40-140	7		50
Benzo(a)pyrene	64		67		40-140	5		50
Benzo(b)fluoranthene	64		67		40-140	5		50
Benzo(k)fluoranthene	63		65		40-140	3		50
Chrysene	58		62		40-140	7		50
Acenaphthylene	56		59		40-140	5		50
Anthracene	59		62		40-140	5		50
Benzo(ghi)perylene	71		73		40-140	3		50
Fluorene	58		62		40-140	7		50
Phenanthrene	58		62		40-140	7		50
Dibenzo(a,h)anthracene	65		69		40-140	6		50
Indeno(1,2,3-cd)Pyrene	68		72		40-140	6		50
Pyrene	56		60		35-142	7		50
1-Methylnaphthalene	56		60		26-130	7		50
2-Methylnaphthalene	59		63		40-140	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE

Project Number: T0394-016-001

Lab Number: L1624924

Report Date: 08/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG922553-2 WG922553-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	54		59		23-120
2-Fluorobiphenyl	54		58		30-120
4-Terphenyl-d14	54		58		18-120

METALS

Project Name: 9-21 LAKEVIEW AVENUE
Lab Number: L1624924
Project Number: T0394-016-001
Report Date: 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-01
Client ID: TP-4 (4-6)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil
Percent Solids: 81%

Date Collected: 08/10/16 09:40
Date Received: 08/10/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.2		mg/kg	0.48	0.16	1	08/11/16 18:45	08/11/16 23:38	EPA 3050B	1,6010C	AB
Barium, Total	51		mg/kg	0.48	0.13	1	08/11/16 18:45	08/11/16 23:38	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.48	0.03	1	08/11/16 18:45	08/11/16 23:38	EPA 3050B	1,6010C	AB
Chromium, Total	9.9		mg/kg	0.48	0.08	1	08/11/16 18:45	08/11/16 23:38	EPA 3050B	1,6010C	AB
Lead, Total	8.2		mg/kg	2.4	0.10	1	08/11/16 18:45	08/11/16 23:38	EPA 3050B	1,6010C	AB
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	08/12/16 07:20	08/16/16 11:35	EPA 7471B	1,7471B	BV
Selenium, Total	ND		mg/kg	0.96	0.13	1	08/11/16 18:45	08/11/16 23:38	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.48	0.10	1	08/11/16 18:45	08/11/16 23:38	EPA 3050B	1,6010C	AB

Project Name: 9-21 LAKEVIEW AVENUE
Lab Number: L1624924
Project Number: T0394-016-001
Report Date: 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-02
Client ID: TP-5 (2-4)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil
Percent Solids: 80%

Date Collected: 08/10/16 10:30
Date Received: 08/10/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	3.6		mg/kg	0.47	0.15	1	08/11/16 18:45	08/11/16 23:20	EPA 3050B	1,6010C	AB
Barium, Total	88		mg/kg	0.47	0.13	1	08/11/16 18:45	08/11/16 23:20	EPA 3050B	1,6010C	AB
Cadmium, Total	0.05	J	mg/kg	0.47	0.03	1	08/11/16 18:45	08/11/16 23:20	EPA 3050B	1,6010C	AB
Chromium, Total	16		mg/kg	0.47	0.08	1	08/11/16 18:45	08/11/16 23:20	EPA 3050B	1,6010C	AB
Lead, Total	12		mg/kg	2.3	0.10	1	08/11/16 18:45	08/11/16 23:20	EPA 3050B	1,6010C	AB
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	08/12/16 07:20	08/16/16 11:46	EPA 7471B	1,7471B	BV
Selenium, Total	ND		mg/kg	0.93	0.13	1	08/11/16 18:45	08/11/16 23:20	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.47	0.09	1	08/11/16 18:45	08/11/16 23:20	EPA 3050B	1,6010C	AB

Project Name: 9-21 LAKEVIEW AVENUE
Lab Number: L1624924
Project Number: T0394-016-001
Report Date: 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-03
Client ID: TP-2 (0-2)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil
Percent Solids: 75%

Date Collected: 08/10/16 08:45
Date Received: 08/10/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	5.8		mg/kg	0.51	0.17	1	08/11/16 18:45	08/11/16 23:42	EPA 3050B	1,6010C	AB
Barium, Total	85		mg/kg	0.51	0.14	1	08/11/16 18:45	08/11/16 23:42	EPA 3050B	1,6010C	AB
Cadmium, Total	0.08	J	mg/kg	0.51	0.04	1	08/11/16 18:45	08/11/16 23:42	EPA 3050B	1,6010C	AB
Chromium, Total	14		mg/kg	0.51	0.09	1	08/11/16 18:45	08/11/16 23:42	EPA 3050B	1,6010C	AB
Lead, Total	100		mg/kg	2.6	0.11	1	08/11/16 18:45	08/11/16 23:42	EPA 3050B	1,6010C	AB
Mercury, Total	0.26		mg/kg	0.09	0.02	1	08/12/16 07:20	08/16/16 11:48	EPA 7471B	1,7471B	BV
Selenium, Total	ND		mg/kg	1.0	0.14	1	08/11/16 18:45	08/11/16 23:42	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.51	0.10	1	08/11/16 18:45	08/11/16 23:42	EPA 3050B	1,6010C	AB

Project Name: 9-21 LAKEVIEW AVENUE
Lab Number: L1624924
Project Number: T0394-016-001
Report Date: 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-04
Client ID: TP-1 (0-2)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil
Percent Solids: 90%

Date Collected: 08/10/16 08:15
Date Received: 08/10/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	16		mg/kg	0.43	0.14	1	08/11/16 18:45	08/11/16 23:46	EPA 3050B	1,6010C	AB
Barium, Total	81		mg/kg	0.43	0.12	1	08/11/16 18:45	08/11/16 23:46	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.43	0.03	1	08/11/16 18:45	08/11/16 23:46	EPA 3050B	1,6010C	AB
Chromium, Total	4.6		mg/kg	0.43	0.07	1	08/11/16 18:45	08/11/16 23:46	EPA 3050B	1,6010C	AB
Lead, Total	96		mg/kg	2.2	0.10	1	08/11/16 18:45	08/11/16 23:46	EPA 3050B	1,6010C	AB
Mercury, Total	0.10		mg/kg	0.07	0.02	1	08/12/16 07:20	08/16/16 11:50	EPA 7471B	1,7471B	BV
Selenium, Total	1.0		mg/kg	0.86	0.12	1	08/11/16 18:45	08/11/16 23:46	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.43	0.09	1	08/11/16 18:45	08/11/16 23:46	EPA 3050B	1,6010C	AB

Project Name: 9-21 LAKEVIEW AVENUE **Lab Number:** L1624924

Project Number: T0394-016-001 **Report Date:** 08/17/16

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG922024-1										
Arsenic, Total	ND		mg/kg	0.40	0.13	1	08/11/16 18:45	08/11/16 22:28	1,6010C	AB
Barium, Total	ND		mg/kg	0.40	0.11	1	08/11/16 18:45	08/11/16 22:28	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/11/16 18:45	08/11/16 22:28	1,6010C	AB
Chromium, Total	ND		mg/kg	0.40	0.07	1	08/11/16 18:45	08/11/16 22:28	1,6010C	AB
Lead, Total	ND		mg/kg	2.0	0.09	1	08/11/16 18:45	08/11/16 22:28	1,6010C	AB
Selenium, Total	ND		mg/kg	0.80	0.11	1	08/11/16 18:45	08/11/16 22:28	1,6010C	AB
Silver, Total	ND		mg/kg	0.40	0.08	1	08/11/16 18:45	08/11/16 22:28	1,6010C	AB

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG922128-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/12/16 07:20	08/16/16 11:32	1,7471B	BV

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE

Project Number: T0394-016-001

Lab Number: L1624924

Report Date: 08/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG922024-2 SRM Lot Number: D089-540								
Arsenic, Total	100		-		80-120	-		
Barium, Total	84		-		83-117	-		
Cadmium, Total	95		-		82-117	-		
Chromium, Total	88		-		79-121	-		
Lead, Total	98		-		81-119	-		
Selenium, Total	90		-		78-121	-		
Silver, Total	87		-		75-125	-		
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG922128-2 SRM Lot Number: D089-540								
Mercury, Total	94		-		57-143	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001

Lab Number: L1624924
Report Date: 08/17/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG922024-4 QC Sample: L1624495-01 Client ID: MS Sample												
Arsenic, Total	27.	10.8	42	**138**	Q	-	-		75-125	-		20
Barium, Total	35.	181	190	86		-	-		75-125	-		20
Cadmium, Total	ND	4.61	4.2	91		-	-		75-125	-		20
Chromium, Total	17.	18.1	34	94		-	-		75-125	-		20
Lead, Total	85.	46.1	120	76		-	-		75-125	-		20
Selenium, Total	ND	10.8	10	92		-	-		75-125	-		20
Silver, Total	ND	27.1	24	88		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG922128-4 QC Sample: L1624924-01 Client ID: TP-4 (4-6)												
Mercury, Total	0.04J	0.154	0.19	**123**	Q	-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001

Lab Number: L1624924
Report Date: 08/17/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG922024-3 QC Sample: L1624495-01 Client ID: DUP Sample						
Arsenic, Total	27.	28	mg/kg	4		20
Barium, Total	35.	30	mg/kg	15		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	17.	16	mg/kg	6		20
Lead, Total	85.	80	mg/kg	6		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG922128-3 QC Sample: L1624924-01 Client ID: TP-4 (4-6)						
Mercury, Total	0.04J	0.03J	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001
Lab Number: L1624924
Report Date: 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-01
Client ID: TP-4 (4-6)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil

Date Collected: 08/10/16 09:40
Date Received: 08/10/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	08/12/16 01:47	121,2540G	VB

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001
Lab Number: L1624924
Report Date: 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-02
Client ID: TP-5 (2-4)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil

Date Collected: 08/10/16 10:30
Date Received: 08/10/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.4		%	0.100	NA	1	-	08/12/16 01:47	121,2540G	VB

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001
Lab Number: L1624924
Report Date: 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-03
Client ID: TP-2 (0-2)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil

Date Collected: 08/10/16 08:45
Date Received: 08/10/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.6		%	0.100	NA	1	-	08/12/16 01:47	121,2540G	VB

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001
Lab Number: L1624924
Report Date: 08/17/16

SAMPLE RESULTS

Lab ID: L1624924-04
Client ID: TP-1 (0-2)
Sample Location: 9-21 LAKEVIEW AVENUE
Matrix: Soil

Date Collected: 08/10/16 08:15
Date Received: 08/10/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	08/12/16 01:47	121,2540G	VB

Lab Duplicate Analysis
Batch Quality Control

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001

Lab Number: L1624924
Report Date: 08/17/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG922104-1 QC Sample: L1625144-01 Client ID: DUP Sample						
Solids, Total	77.2	74.7	%	3		20

Project Name: 9-21 LAKEVIEW AVENUE
Project Number: T0394-016-001

Lab Number: L1624924
Report Date: 08/17/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1624924-01A	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYTCL-8260-R2(14)
L1624924-01A9	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYTCL-8260-R2(14)
L1624924-01B	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYCP51-PAH(14),TS(7)
L1624924-01C	Metals Only - Glass 60mL/2oz unp	A	N/A	4.8	Y	Absent	AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1624924-01D	Glass 120ml/4oz unpreserved	A	N/A	4.8	Y	Absent	NYCP51-PAH(14),TS(7)
L1624924-02A	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYTCL-8260-R2(14)
L1624924-02A9	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYTCL-8260-R2(14)
L1624924-02B	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYCP51-PAH(14),TS(7)
L1624924-02C	Metals Only - Glass 60mL/2oz unp	A	N/A	4.8	Y	Absent	AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1624924-02D	Glass 120ml/4oz unpreserved	A	N/A	4.8	Y	Absent	NYCP51-PAH(14),TS(7)
L1624924-03A	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYTCL-8260-R2(14)
L1624924-03A9	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYTCL-8260-R2(14)
L1624924-03B	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYCP51-PAH(14),TS(7)
L1624924-03C	Metals Only - Glass 60mL/2oz unp	A	N/A	4.8	Y	Absent	AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1624924-03D	Glass 120ml/4oz unpreserved	A	N/A	4.8	Y	Absent	NYCP51-PAH(14),TS(7)
L1624924-04A	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYTCL-8260-R2(14)
L1624924-04A9	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYTCL-8260-R2(14)
L1624924-04B	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYCP51-PAH(14),TS(7)
L1624924-04C	Metals Only - Glass 60mL/2oz unp	A	N/A	4.8	Y	Absent	AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1624924-04D	Glass 120ml/4oz unpreserved	A	N/A	4.8	Y	Absent	NYCP51-PAH(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name:	9-21 LAKEVIEW AVENUE	**Lab Number:**	L1624924
Project Number:	T0394-016-001	**Report Date:**	08/17/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers

Project Name:	9-21 LAKEVIEW AVENUE	**Lab Number:**	L1624924
Project Number:	T0394-016-001	**Report Date:**	08/17/16

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 9-21 LAKEVIEW AVENUE **Lab Number:** L1624924

Project Number: T0394-016-001 **Report Date:** 08/17/16

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: ***EPA 3050B***

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/11/16

ALPHA Job #: L1624924

Client Information

Client: Turnkey Env. Restoration, LLC
Address: 2558 Hamburg Turnpike
Suite 300, Buffalo, NY, 14218
Phone: 716-713-3437
Fax:
Email: NSuruki@Turnkeyllc.com

Project Information

Project Name: 9-21 Lakeview Avenue Site
Project Location: 9-21 Lakeview Avenue
Project #: T0394-016-001
(Use Project name as Project #)
Project Manager: Nick Suruki
ALPHAQuote #:

Turn-Around Time

Standard: [X]
Rush (only if pre approved): [ ]
Due Date:
of Days:

Deliverables

[ ] ASP-A [X] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [X] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[ ] Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

TCL+CPSI VOC; CPSI PAH; RCRA Metals

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+CPSI VOC	CPSI PAH	RCRA Metals	Total Bottle	Sample Specific Comments
24924-01	TP-4 (4-6)	8/10/16	9:40	Soil	MAS	X	X	X	4	
02	TP-5 (2-4)		10:30			X	X	X	4	
03	TP-2 (0-2)		8:45			X	X	X	4	
04	TP-1 (0-2)		8:15			X	X	X	4	

Container Type: A A A
Preservative: A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	8/10/16 13:00	Audrey Filey ADL	8/10/16 14:00
Audrey Filey			8/11/16 0630

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2011695
Client:	Turnkey Environmental Restoration, LLC 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Bryan Mayback
Phone:	(716) 856-0599
Project Name:	9-21 LAKEVIEW
Project Number:	T0394-020-001-002
Report Date:	03/20/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002

Lab Number: L2011695
Report Date: 03/20/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2011695-01	HC-1	SOIL	BUFFALO, NY	03/12/20 09:00	03/13/20
L2011695-02	HC-2	SOIL	BUFFALO, NY	03/12/20 10:00	03/13/20
L2011695-03	HC-3	SOIL	BUFFALO, NY	03/12/20 11:00	03/13/20
L2011695-04	HC-4	SOIL	BUFFALO, NY	03/12/20 12:00	03/13/20
L2011695-05	HC-5	SOIL	BUFFALO, NY	03/12/20 12:30	03/13/20

Project Name:	9-21 LAKEVIEW	**Lab Number:**	L2011695
Project Number:	T0394-020-001-002	**Report Date:**	03/20/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 9-21 LAKEVIEW **Lab Number:** L2011695
Project Number: T0394-020-001-002 **Report Date:** 03/20/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L2011695-01 and -02: The sample has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

L2011695-01 and -02: The surrogate recoveries are below the acceptance criteria for nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 03/20/20

ORGANICS

SEMIVOLATILES

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002
Lab Number: L2011695
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011695-01 D
Client ID: HC-1
Sample Location: BUFFALO, NY

Date Collected: 03/12/20 09:00
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/19/20 05:19
Analyst: WR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 03/18/20 11:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2800	J	ug/kg	7100	920	50
Fluoranthene	27000		ug/kg	5300	1000	50
Naphthalene	2200	J	ug/kg	8900	1100	50
Benzo(a)anthracene	9100		ug/kg	5300	1000	50
Benzo(a)pyrene	6600	J	ug/kg	7100	2200	50
Benzo(b)fluoranthene	9600		ug/kg	5300	1500	50
Benzo(k)fluoranthene	4100	J	ug/kg	5300	1400	50
Chrysene	9000		ug/kg	5300	920	50
Acenaphthylene	ND		ug/kg	7100	1400	50
Anthracene	5100	J	ug/kg	5300	1700	50
Benzo(ghi)perylene	5200	J	ug/kg	7100	1000	50
Fluorene	3000	J	ug/kg	8900	860	50
Phenanthrene	22000		ug/kg	5300	1100	50
Dibenzo(a,h)anthracene	ND		ug/kg	5300	1000	50
Indeno(1,2,3-cd)pyrene	4800	J	ug/kg	7100	1200	50
Pyrene	22000		ug/kg	5300	880	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
4-Terphenyl-d14	**0**	Q	18-120

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002

Lab Number: L2011695
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011695-02 D
Client ID: HC-2
Sample Location: BUFFALO, NY

Date Collected: 03/12/20 10:00
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/19/20 05:41
Analyst: WR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/18/20 11:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	6100	790	40
Fluoranthene	6900		ug/kg	4600	870	40
Naphthalene	1100	J	ug/kg	7600	930	40
Benzo(a)anthracene	1900	J	ug/kg	4600	860	40
Benzo(a)pyrene	ND		ug/kg	6100	1800	40
Benzo(b)fluoranthene	1800	J	ug/kg	4600	1300	40
Benzo(k)fluoranthene	1200	J	ug/kg	4600	1200	40
Chrysene	2400	J	ug/kg	4600	790	40
Acenaphthylene	ND		ug/kg	6100	1200	40
Anthracene	ND		ug/kg	4600	1500	40
Benzo(ghi)perylene	1900	J	ug/kg	6100	890	40
Fluorene	ND		ug/kg	7600	740	40
Phenanthrene	4000	J	ug/kg	4600	920	40
Dibenzo(a,h)anthracene	ND		ug/kg	4600	880	40
Indeno(1,2,3-cd)pyrene	ND		ug/kg	6100	1100	40
Pyrene	8300		ug/kg	4600	760	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
4-Terphenyl-d14	**0**	Q	18-120

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002
Lab Number: L2011695
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011695-03
Client ID: HC-3
Sample Location: BUFFALO, NY

Date Collected: 03/12/20 11:00
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/19/20 06:08
Analyst: WR
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 03/18/20 11:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	J	ug/kg	160	21.	1
Fluoranthene	1600		ug/kg	120	23.	1
Naphthalene	150	J	ug/kg	200	25.	1
Benzo(a)anthracene	860		ug/kg	120	23.	1
Benzo(a)pyrene	700		ug/kg	160	50.	1
Benzo(b)fluoranthene	920		ug/kg	120	34.	1
Benzo(k)fluoranthene	300		ug/kg	120	33.	1
Chrysene	760		ug/kg	120	21.	1
Acenaphthylene	91	J	ug/kg	160	32.	1
Anthracene	290		ug/kg	120	40.	1
Benzo(ghi)perylene	500		ug/kg	160	24.	1
Fluorene	130	J	ug/kg	200	20.	1
Phenanthrene	1100		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	100	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	480		ug/kg	160	28.	1
Pyrene	1400		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	109		23-120
2-Fluorobiphenyl	82		30-120
4-Terphenyl-d14	76		18-120

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002
Lab Number: L2011695
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011695-05
Client ID: HC-5
Sample Location: BUFFALO, NY

Date Collected: 03/12/20 12:30
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/19/20 06:31
Analyst: WR
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 03/18/20 11:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Fluoranthene	410		ug/kg	120	24.	1
Naphthalene	1000		ug/kg	200	25.	1
Benzo(a)anthracene	280		ug/kg	120	23.	1
Benzo(a)pyrene	240		ug/kg	160	50.	1
Benzo(b)fluoranthene	370		ug/kg	120	35.	1
Benzo(k)fluoranthene	160		ug/kg	120	33.	1
Chrysene	330		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	58	J	ug/kg	120	40.	1
Benzo(ghi)perylene	240		ug/kg	160	24.	1
Fluorene	34	J	ug/kg	200	20.	1
Phenanthrene	490		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	43	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	220		ug/kg	160	29.	1
Pyrene	390		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	**125**	Q	23-120
2-Fluorobiphenyl	92		30-120
4-Terphenyl-d14	87		18-120

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002
Lab Number: L2011695
Report Date: 03/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/18/20 12:39
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 03/18/20 02:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1352256-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	99	19.
Naphthalene	ND		ug/kg	160	20.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	113		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002

Lab Number: L2011695
Report Date: 03/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1352256-2 WG1352256-3								
Acenaphthene	101		101		31-137	0		50
Fluoranthene	105		104		40-140	1		50
Naphthalene	101		94		40-140	7		50
Benzo(a)anthracene	104		103		40-140	1		50
Benzo(a)pyrene	107		104		40-140	3		50
Benzo(b)fluoranthene	106		108		40-140	2		50
Benzo(k)fluoranthene	104		99		40-140	5		50
Chrysene	106		103		40-140	3		50
Acenaphthylene	107		103		40-140	4		50
Anthracene	107		103		40-140	4		50
Benzo(ghi)perylene	99		98		40-140	1		50
Fluorene	106		105		40-140	1		50
Phenanthrene	103		100		40-140	3		50
Dibenzo(a,h)anthracene	102		102		40-140	0		50
Indeno(1,2,3-cd)pyrene	102		103		40-140	1		50
Pyrene	103		104		35-142	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 9-21 LAKEVIEW

Project Number: T0394-020-001-002

Lab Number: L2011695

Report Date: 03/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1352256-2 WG1352256-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	98		92		25-120
Phenol-d6	94		92		10-120
Nitrobenzene-d5	97		93		23-120
2-Fluorobiphenyl	97		95		30-120
2,4,6-Tribromophenol	101		104		10-136
4-Terphenyl-d14	107		108		18-120

METALS

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002
Lab Number: L2011695
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011695-01
Client ID: HC-1
Sample Location: BUFFALO, NY
Date Collected: 03/12/20 09:00
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	23.9		mg/kg	0.406	0.084	1	03/17/20 06:40	03/20/20 00:31	EPA 3050B	1,6010D	LC
Barium, Total	137		mg/kg	0.406	0.071	1	03/17/20 06:40	03/20/20 00:31	EPA 3050B	1,6010D	LC
Cadmium, Total	2.70		mg/kg	0.406	0.040	1	03/17/20 06:40	03/20/20 00:31	EPA 3050B	1,6010D	LC
Chromium, Total	22.2		mg/kg	0.406	0.039	1	03/17/20 06:40	03/20/20 00:31	EPA 3050B	1,6010D	LC
Lead, Total	493		mg/kg	2.03	0.109	1	03/17/20 06:40	03/20/20 00:31	EPA 3050B	1,6010D	LC
Mercury, Total	0.541		mg/kg	0.068	0.044	1	03/17/20 09:00	03/17/20 20:27	EPA 7471B	1,7471B	GD
Selenium, Total	2.94		mg/kg	0.811	0.105	1	03/17/20 06:40	03/20/20 00:31	EPA 3050B	1,6010D	LC
Silver, Total	0.142	J	mg/kg	0.406	0.115	1	03/17/20 06:40	03/20/20 00:31	EPA 3050B	1,6010D	LC

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002
Lab Number: L2011695
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011695-02
Client ID: HC-2
Sample Location: BUFFALO, NY
Date Collected: 03/12/20 10:00
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	13.5		mg/kg	0.452	0.094	1	03/17/20 06:40	03/20/20 00:35	EPA 3050B	1,6010D	LC
Barium, Total	188		mg/kg	0.452	0.079	1	03/17/20 06:40	03/20/20 00:35	EPA 3050B	1,6010D	LC
Cadmium, Total	4.78		mg/kg	0.452	0.044	1	03/17/20 06:40	03/20/20 00:35	EPA 3050B	1,6010D	LC
Chromium, Total	24.5		mg/kg	0.452	0.043	1	03/17/20 06:40	03/20/20 00:35	EPA 3050B	1,6010D	LC
Lead, Total	1070		mg/kg	2.26	0.121	1	03/17/20 06:40	03/20/20 00:35	EPA 3050B	1,6010D	LC
Mercury, Total	0.297		mg/kg	0.073	0.047	1	03/17/20 09:00	03/17/20 20:30	EPA 7471B	1,7471B	GD
Selenium, Total	ND		mg/kg	0.904	0.116	1	03/17/20 06:40	03/20/20 00:35	EPA 3050B	1,6010D	LC
Silver, Total	0.154	J	mg/kg	0.452	0.128	1	03/17/20 06:40	03/20/20 00:35	EPA 3050B	1,6010D	LC

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002
Lab Number: L2011695
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011695-03
Client ID: HC-3
Sample Location: BUFFALO, NY
Date Collected: 03/12/20 11:00
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	70.7		mg/kg	0.482	0.100	1	03/17/20 06:40	03/20/20 00:40	EPA 3050B	1,6010D	LC
Barium, Total	1180		mg/kg	0.482	0.084	1	03/17/20 06:40	03/20/20 00:40	EPA 3050B	1,6010D	LC
Cadmium, Total	5.59		mg/kg	0.482	0.047	1	03/17/20 06:40	03/20/20 00:40	EPA 3050B	1,6010D	LC
Chromium, Total	16.4		mg/kg	0.482	0.046	1	03/17/20 06:40	03/20/20 00:40	EPA 3050B	1,6010D	LC
Lead, Total	473		mg/kg	2.41	0.129	1	03/17/20 06:40	03/20/20 00:40	EPA 3050B	1,6010D	LC
Mercury, Total	0.422		mg/kg	0.079	0.051	1	03/17/20 09:00	03/17/20 20:40	EPA 7471B	1,7471B	GD
Selenium, Total	ND		mg/kg	0.963	0.124	1	03/17/20 06:40	03/20/20 00:40	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.482	0.136	1	03/17/20 06:40	03/20/20 00:40	EPA 3050B	1,6010D	LC

Project Name: 9-21 LAKEVIEW
Lab Number: L2011695
Project Number: T0394-020-001-002
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011695-05
Client ID: HC-5
Sample Location: BUFFALO, NY
Date Collected: 03/12/20 12:30
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	21.2		mg/kg	0.484	0.101	1	03/17/20 06:40	03/20/20 00:45	EPA 3050B	1,6010D	LC
Barium, Total	198		mg/kg	0.484	0.084	1	03/17/20 06:40	03/20/20 00:45	EPA 3050B	1,6010D	LC
Cadmium, Total	3.34		mg/kg	0.484	0.047	1	03/17/20 06:40	03/20/20 00:45	EPA 3050B	1,6010D	LC
Chromium, Total	70.3		mg/kg	0.484	0.046	1	03/17/20 06:40	03/20/20 00:45	EPA 3050B	1,6010D	LC
Lead, Total	354		mg/kg	2.42	0.130	1	03/17/20 06:40	03/20/20 00:45	EPA 3050B	1,6010D	LC
Mercury, Total	0.131		mg/kg	0.080	0.052	1	03/17/20 09:00	03/17/20 20:44	EPA 7471B	1,7471B	GD
Selenium, Total	ND		mg/kg	0.968	0.125	1	03/17/20 06:40	03/20/20 00:45	EPA 3050B	1,6010D	LC
Silver, Total	0.600		mg/kg	0.484	0.137	1	03/17/20 06:40	03/20/20 00:45	EPA 3050B	1,6010D	LC

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002
Lab Number: L2011695
Report Date: 03/20/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03,05 Batch: WG1351612-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/17/20 06:40	03/19/20 21:31	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	03/17/20 06:40	03/19/20 21:31	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/17/20 06:40	03/19/20 21:31	1,6010D	LC
Chromium, Total	0.140	J	mg/kg	0.400	0.038	1	03/17/20 06:40	03/19/20 21:31	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	03/17/20 06:40	03/19/20 21:31	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/17/20 06:40	03/19/20 21:31	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	03/17/20 06:40	03/19/20 21:31	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03,05 Batch: WG1351615-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/17/20 09:00	03/17/20 19:08	1,7471B	GD

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 9-21 LAKEVIEW

Project Number: T0394-020-001-002

Lab Number: L2011695

Report Date: 03/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1351612-2 SRM Lot Number: D105-540								
Arsenic, Total	99		-		70-130	-		
Barium, Total	97		-		75-125	-		
Cadmium, Total	91		-		75-125	-		
Chromium, Total	98		-		70-130	-		
Lead, Total	91		-		71-128	-		
Selenium, Total	100		-		63-137	-		
Silver, Total	96		-		69-131	-		
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1351615-2 SRM Lot Number: D105-540								
Mercury, Total	80		-		60-141	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002

Lab Number: L2011695
Report Date: 03/20/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1351612-3 QC Sample: L2011573-01 Client ID: MS Sample												
Arsenic, Total	1.58	9.95	12.6	111		-	-		75-125	-		20
Barium, Total	11.9	166	178	100		-	-		75-125	-		20
Cadmium, Total	ND	4.23	4.14	98		-	-		75-125	-		20
Chromium, Total	2.56	16.6	19.4	102		-	-		75-125	-		20
Lead, Total	28.4	42.3	75.7	112		-	-		75-125	-		20
Selenium, Total	ND	9.95	10.2	102		-	-		75-125	-		20
Silver, Total	ND	24.9	21.8	88		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1351615-3 QC Sample: L2011573-01 Client ID: MS Sample												
Mercury, Total	0.056J	0.136	0.174	**128**	Q	-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002

Lab Number: L2011695
Report Date: 03/20/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1351612-4 QC Sample: L2011573-01 Client ID: DUP Sample						
Arsenic, Total	1.58	1.95	mg/kg	**21**	Q	20
Barium, Total	11.9	13.6	mg/kg	13		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	2.56	2.89	mg/kg	12		20
Lead, Total	28.4	28.8	mg/kg	1		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1351615-4 QC Sample: L2011573-01 Client ID: DUP Sample						
Mercury, Total	0.056J	0.050J	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002

Lab Number: L2011695
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011695-01
Client ID: HC-1
Sample Location: BUFFALO, NY

Date Collected: 03/12/20 09:00
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.4		%	0.100	NA	1	-	03/14/20 12:23	121,2540G	RI

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002

Lab Number: L2011695
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011695-02
Client ID: HC-2
Sample Location: BUFFALO, NY

Date Collected: 03/12/20 10:00
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	03/14/20 12:23	121,2540G	RI

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002

Lab Number: L2011695
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011695-03
Client ID: HC-3
Sample Location: BUFFALO, NY

Date Collected: 03/12/20 11:00
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.0		%	0.100	NA	1	-	03/14/20 12:23	121,2540G	RI

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002

Lab Number: L2011695
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011695-05
Client ID: HC-5
Sample Location: BUFFALO, NY

Date Collected: 03/12/20 12:30
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.6		%	0.100	NA	1	-	03/14/20 15:51	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 9-21 LAKEVIEW

Project Number: T0394-020-001-002

Lab Number: L2011695

Report Date: 03/20/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1351067-1 QC Sample: L2011384-03 Client ID: DUP Sample						
Solids, Total	84.9	86.2	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1351100-1 QC Sample: L2011290-01 Client ID: DUP Sample						
Solids, Total	79.3	78.4	%	1		20

Project Name: 9-21 LAKEVIEW
Project Number: T0394-020-001-002

Lab Number: L2011695
Report Date: 03/20/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2011695-01A	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2011695-01B	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		NYCP51-PAH(14),TS(7)
L2011695-02A	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2011695-02B	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		NYCP51-PAH(14),TS(7)
L2011695-03A	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2011695-03B	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		NYCP51-PAH(14),TS(7)
L2011695-04A	Glass 60ml unpreserved split	A	NA		2.2	Y	Absent		HOLD-METAL(180)
L2011695-04B	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		HOLD-8270(14)
L2011695-05A	Glass 60ml unpreserved split	A	NA		2.2	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2011695-05B	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		NYCP51-PAH(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name:	9-21 LAKEVIEW	**Lab Number:**	L2011695
Project Number:	T0394-020-001-002	**Report Date:**	03/20/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	9-21 LAKEVIEW	**Lab Number:**	L2011695
Project Number:	T0394-020-001-002	**Report Date:**	03/20/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers

Project Name:	9-21 LAKEVIEW	**Lab Number:**	L2011695
Project Number:	T0394-020-001-002	**Report Date:**	03/20/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	9-21 LAKEVIEW	**Lab Number:**	L2011695
Project Number:	T0394-020-001-002	**Report Date:**	03/20/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
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FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/14/20

ALPHA Job #: L2011695

Client Information
Client: Tonkers ENV Restoration
Address: 255B Hamburg TPke
Buffalo, Ny, 14218
Phone: 716-713-3437
Fax:
Email: BMayback@BM-Tlc.com

Project Information
Project Name: 9-21 Lakeview
Project Location: Buffalo, NY
Project #: T0394-020-001-602
(Use Project name as Project #) ☐
Project Manager: Brian Mayback
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PAH's	RCRA Metals	Total Bottle	Sample Specific Comments
11695-01	HC-1	3/13/20	9:00	SO-1	MHS	X	X	2	
02	HC-2		10:00			X	X	2	
03	HC-3		11:00			X	X	2	
04	HC-4		12:00						
05	HC-5		12:30			X	X	1	On Hold
								1	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	A											
Preservative	O	O											

Relinquished By:	Date/Time	Received By:	Date/Time
	3/13/20 15:00	RCunningham AAL	3/13/20 1800
RCunningham AAL	3/13/20 18:00		3/14/20 0625

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX 2:

GAMMA WALKOVER SURVEY AND SAMPLING REPORT

NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Commissioner

October 9, 2025

Adam Zebrowski
LaBella Associates
300 Pearl Street, Suite 130
Bufalo, New York 14202

Dear Adam Zebrowski:

Gamma Walkover Survey and Sampling Report – 9 Lakeview Avenue, Buffalo, NY – C915365.

The NYS Department of Environmental Conservation (Department) has received and reviewed the Gamma Walkover Survey and Sampling Report for a Brownfield Cleanup Program (BCP) site, located at 9 Lakeview Avenue in Buffalo, NY. After reviewing the information contained in this report, dated October 1, 2025, the Radioactive Materials Management Section (RMMS) accepts this report and agrees with the findings and data provided in the report mentioned above.

The report provides information related to the screening and sampling of material that may contain technologically enhanced naturally occurring radioactive material (TENORM). The results from sample analysis indicates radium-226 concentrations of 1.61 ± 0.242 pCi/g, 1.26 ± 0.244 pCi/g, 1.21 ± 0.240 pCi/g, and 1.24 ± 0.213 pCi/g.

From the review of this report, the Department has concluded that the data supports that the excavated material is not TENORM; this conclusion is based on the lack of provenance related to the source(s) of the material, as well comparison to background data. Please note, however, that the material is considered a solid waste and must be properly handled and/or disposed of, in compliance with appropriate regulations.

Please feel free to contact me with any comments or questions that you may have at (716) 851-7278 or via email at derick.dietrich@dec.ny.gov

Sincerely,

Derick Dietrich

Derick Dietrich
Environmental Radiation Specialist 1
Division of Materials Management, Region 9

ec: Patrick Concannon, Professional Geologist 2, NYSDEC Region 9
Michael Keller, E.I.T, Project Manager, NYSDEC Region 9
Thomas Papura, Environmental Radiation Specialist 3, NYSDEC Albany
Joel Giambra, Buffalo Lakeview LLC
Paul Accardo, Crown BGI
Stephen Campana, LaBella Associates

October 1, 2025

Mr. Derick Dietrich
Division of Materials Management, Region 9
700 Delaware Avenue
Buffalo, New York 14209

RE: Brownfield Cleanup Program Remedial Investigation
Gamma Walkover Survey Report
9 Lakeview Avenue, Buffalo, New York
BCP Site No. C915365
LaBella Project No. 2253075

Dear Mr. Dietrich:

As you know, LaBella Associates, D.P.C. (LaBella) has initiated Remedial Investigation (RI) activities at the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) property addressed as 9 Lakeview Avenue, Buffalo, New York, hereinafter referred to as the "Site". In conjunction with RI activities, LaBella's radiological sub-consultant, The MJW Companies (MJW), conducted a Gamma Walkover Survey at the Site in accordance with the June 26, 2025 Gamma Survey Workplan Addendum Letter approved by the NYSDEC on June 7, 2025.

Attached to this letter is the September 25, 2025 Gamma Walkover Survey and Sampling Report detailing the results of MJW's Gamma Walkover Survey. It is LaBella's understanding that subsequent the NYSDEC's review of the Gamma Walkover Survey and Sampling Report, the NYSDEC will provide a determination regarding whether the Site contains material classified as TENORM, and confirm the scope of TENORM management if necessary.

As the results of the RI are in the process of being assembled by LaBella and the NYSDEC's conclusions regarding the Gamma Walkover Survey Report will potentially influence the BCP remedy selected for the Site, LaBella cannot confirm the preferred manner for TENORM management at the Site, if necessary. There is the potential that the final BCP remedy will include a combination of export of soil from the Site for landfill disposal as well as re-use of soil at the Site. It is also possible that the final BCP remedy will include construction of engineering controls, including but not limited to, a soil cover system.

Please feel free to reach out to me at 716-840-2548 or azebrowski@labellapc.com should you have any questions.

Respectfully submitted,

LaBella Associates

Adam Zebrowski
Senior Project Manager
Vice President

THE MJW COMPANIES

Radiological Consulting Professionals and Expert Technical Services

Gamma Walkover Survey and Sampling Report

For

9 Lakeview Ave.

Buffalo, NY 14201

Prepared for:

LaBella

Powered by partnership.

300 Pearl Street, Suite 130 | Buffalo, NY 14202 | p-716-551-6281 | www.labellapc.com

By:

MJW CORPORATION
RADIATION CONSULTING PROFESSIONALS

15 Hazelwood Dr., Suite 112
Amherst, NY, 14228

MJW Project No. 25.2003.10

1.0 Introduction

LaBella Associates is performing a preliminary site characterization for 9 Lakeview Avenue, in Buffalo, NY (the Site). The Site is approximately 0.42 acres in a highly developed residential and commercial area with residential property to the north, residential and commercial property to the south, Lakeview Avenue to the west and residential properties to the east.

MJW was contracted by LaBella to conduct a GPS-assisted gamma walkover survey of the site, and associated sampling as necessary, to determine if any areas are potentially radiologically contaminated prior to any work activities. The GPS walkover survey was conducted over one (1) day on June 12, 2025, and sampling was completed over two (2) days on July 10 and 11 2025, in accordance with the New York State Department of Environmental Conservation (NYSDEC) approved Gamma Survey Workplan Addendum Letter.

2.0 Methodology

A GPS-enhanced overland gamma survey of the Site was performed with a Bluetooth-enabled Ludlum model 3000 paired with a 44-10 (2" x 2") NaI gamma detector (Attachment C). The instrument and a GPS unit were paired with a mobile data collection device. The meter, detector, and other electronics were mounted on a cart to ensure consistent and reproducible geometry and data.

Background data was collected at the nearby 4th Street Park, (Figures 5 and 7). This area was selected due to its status as a known "clean" site, the similarities in ground cover, and the relative proximity to the Site.

Data was collected along transects throughout the Site in a crosshatch pattern and were spaced at three (3) meters. Transects were displayed in the data collection device to aid in consistency. In some areas, the ground surface was impassable due to physical barriers (heavy vegetation, debris, fencing), which is the reason for missing data from some transects or data collected off-line. The data collection device recorded a gamma measurement every second, and each measurement was spaced one (1) meter from the previous measurement.

Three (3) soil samples and one field duplicate were collected from test pit excavations being advanced at the Site during Remedial Investigation activities concurrent with MJW's scope of work. Each soil sample location was selected based on the results of the GPS-enhanced overland gamma survey. Prior to the excavation of each test pit, a 1-minute scaler count was taken utilizing a Ludlum 44-10 (2"x2" NaI) paired with a Ludlum 2241-2 ratemeter. Following the scaler count, a 500-gram sample of soil and fill material; from six to 36 inches below the ground was collected and placed into a plastic sample jar. Sample results are detailed in Section 4.2, Table 2. All information concerning sampling is recorded in Attachment E, "Field Sample Log

Sheets." The sheets record the sample ID (pre-determined), the time at which each sample was taken, the relevant sample information for consistency with the lab Chain-of Custody (Attachment D), and the gross surface readings (1-min on ground scaler count).

All four (4) samples that were collected were analyzed via gamma-spectroscopy (DOE HASL 300, 4.5.2.3./Ga-01-R) with a 21-day ingrowth for Ra-226. One (1) field duplicate and one (1) lab duplicate were also analyzed. One (1) sample that was analyzed was a composite sample. All samples were sent to GEL Labs facilities in Charleston, South Carolina, under a valid Chain of Custody (CoC).

3.0 Data Analysis

3.1 Gamma Walkover

The area background and survey data were statistically analyzed with QGIS, software designed to assist in spatial data analysis. MJW compiled Table 1 below, which highlights the statistical findings from the QGIS analysis, and Figures 6 and 7, which map the GPS-collected survey data.

Table 1: Gamma Walkover Statistics

Area Background Gamma Data	
Number of Data Points	1,192
Area Background Mean	6,112 cpm
1.5x Area Background Mean	9,168 cpm
Site Gamma Data	
Number of Data Points	2,666
# > 1.5x ABKG	371
% > 1.5x ABKG	14%

For area background data, a total of 1,192 data points were collected, exhibiting a mean count rate of 6,112 ± 12 CPM. For the survey area data, a total of 2,666 points were reviewed and categorized according to relevant area background (ABKG) data.

3.2 Samples

Four (4) collected samples were sent to GEL Labs for analysis. There were no QA/QC issues noted.

4.0 Results

4.1 Gamma Walkover Results

The data collected from the Site walkover are color-coded to indicate measurements as: below 1.5 times ABKG and at or above 1.5 times ABKG. The segregation criteria used for the various measurements align with the DMM-5 policy for screening for the presence of potential radiological contamination.

Figure 6 shows the concentration of data points greater than 1.5x ABKG in three (3) main areas of the site. The center of the site is the largest area with data points greater than 1.5x ABKG, followed by the center-southwest area, and then the center-southeast area.

4.2 Sample Results

Table 2 below summarizes relevant information from the sample results. The average concentrations for Ra-226 in all samples is 1.33 ± 0.235 pCi/g. No samples exceeded or had the potential to exceed the 5.0 pCi/g DMM-5 limit for TENORM (Background-Comparable), the maximum reported Ra-226 concentration is 1.61 pCi/g for sample LA-TP8-1025. Local Area Background samples were taken from 310 Ship Canal Parkway, located approximately 4.5 miles south of 9 Lakeview. The lab reports concerning background samples are provided as Attachment A.

In conjunction with staff from Labella Associates, subsurface material at the site was physically and visually identified. Based on the collective information from subsurface activities at the Site during the March 2020 Phase II Environmental Investigation and Remedial Investigation activities in 2025, subsurface fill material consisting of ash, asphalt, concrete, timbers, brick, glass, gravel, silt, and sand, generally overlies the Site to a maximum depth of between 2.8 and 7.5 feet below the ground surface (ft bgs). Small pockets of slag-like material were documented at several test pits, extending not more than six (6) feet bgs.

4.3 Sample and Gamma Count Association

Of the 2,666 gamma data points collected from the GPS walkover, approximately 14% were greater than the 1.5x ABKG mean. Samples were taken at and around those areas with counts above 1.5x ABKG (Figure 6), with none of the sample results demonstrating Ra-226 concentrations above the DMM-5 limit of 5.0 pCi/g for TENORM (Background Comparable).

Table 2: Nuclide Information Table

Nuclide Information Table									
		Sample Isotope Concentration (pCi/g)							
GEL Lab Sample ID[1] ↓	LaBella Test Pit ID ↓	[Ac-228	UNC[2]	[K-40]	UNC	[Ra-226]	UNC	[U-238]	UNC
LA-TP8-10 25	TP8	1.26	0.387	10.8	1.88	1.61	0.242	UI	UI
LA-TP8-10 25 DUP	TP8	1.32	0.464	16.6	1.95	1.26	0.244	UI	UI
LA-TP14-11 25	TP14	UI	UI	6.97	1.74	1.21	0.240	U	U
LA-LC 7 11 25	TP7 (Composite)	1.15	0.409	9.52	1.77	1.24	0.213	U	U
Average Concentrations		**1.24**	**0.420**	**11.0**	**1.84**	**1.33**	**0.235**	**U**	**U**
Average Background Concentrations[4]		**0.61**	**0.219**	**13.0**	**1.20**	**0.80**	**0.129**	**1.94**	**1.96**
1. GEL Lab Sample ID - LA (LaBella) - TP (Test Pit) LC (Composite) - Date (DD YY) - Dup (Field Duplicate)									
2. UNC - Counting Uncertainty									
3. U - Unidentified, UI - Gamma Spec Uncertain Identification									
4. Background Sample Data from 310 Ship Canal PKWY, see Attachment A (SDG 618474)									

5.0 Material Disposition and Future Use

The potentially radiologically elevated material identified in the first four (4) feet of material below the ground surface was most likely imported fill or subgrade used during work activities that occurred on the property during the 20th century. No documented on-site process would have generated TENORM. The physical distribution of potentially elevated material identified in Figure 6 aligns with identified site historic utilities and construction, further indicating pockets of imported fill on-site. Sampled material exhibits similar radionuclide activity compared to local area backgrounds and historical data from the greater Western New York region.[1,2,3]

The comparison to local area background data, historical data, and visual identification of on-site material as crushed rock and gravel in potentially radiologically elevated areas supports the conclusion that the material is not TENORM.

If the material is determined to be TENORM by the NYSDEC, it would be classified as TENORM (Background comparable). As no sample results were above the DMM-5 threshold of 5.0 pCi/g of Ra-226 limit for TENORM (Background-Comparable). The average Ra-226 concentration of all samples was 1.33 pCi/g (Table 2) with the highest sample result at 1.61 pCi/g. Gamma survey results indicate no material exceeding the 5.0 pCi/g limit, identifying a small amount of background-comparable material where samples were taken.

Material below 5.0 pCi/g can be returned to the excavation/area of contamination following the NYSEC representative's approval of the proposed use and handling. A NYSDEC-approved TENORM Management Plan must govern reuse activities. If this material needs to be disposed of off-site, it must be disposed of out of state. If the material is not disturbed for site development or remediation of other contaminants, there is no requirement for remediation.

MJW can assist with planning for future reuse and/or disposal of the subject material.

References:

1. USACE Site Closeout Report for The Linde FUSRAP Site, 2015 (From DOE/OR-21949-300 2_1993 and USACEROD for LINDE Site_3_2000)

2. UNSCEAR, Sources and Effects of Ionizing Radiation (UNSCEAR 2000)

3. ORNL/RASA-92/12 Results of the Radiological Survey at the Town of Tonawanda Landfill, Tonawanda NY (TNY001) (See Sheet 2)

Figures



Figure 1. Site Conditions



Figure 2: Site Conditions

Photo showing heavy vegetation along the northern boundary



Figure 3: Site Conditions

Photo showing physical barriers along the northern boundary



Figure 4: Elevated Area

Photo showing the ground condition around an area with elevated readings



Figure 5: Background Area vs. Site Location

Figure 6:

GPS-Enhanced Overland Gamma Survey of 9 Lakeview

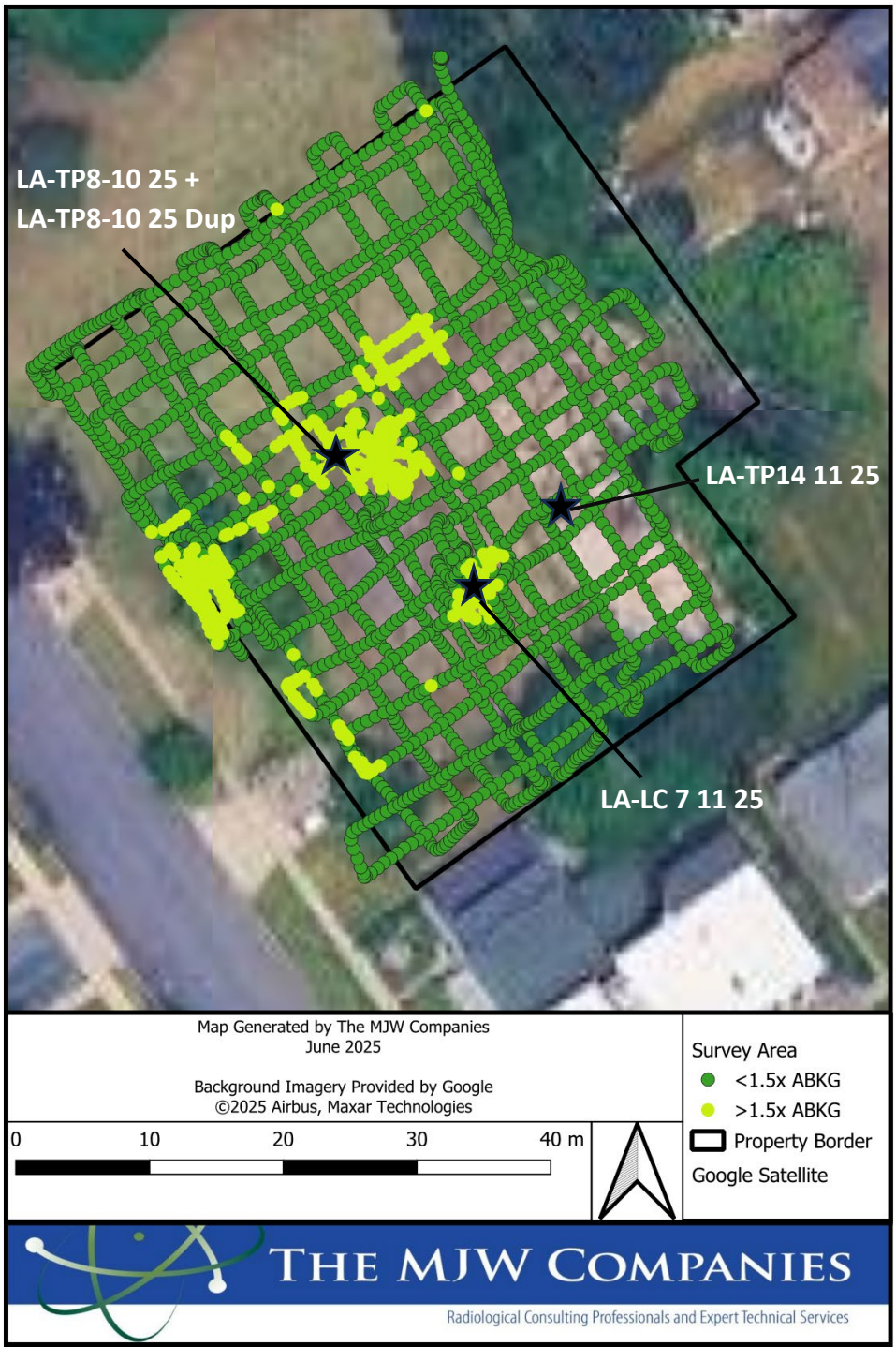


Figure 7:

Local Area Gamma Background Data for 9 Lakeview Ave



Attachment A

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

gel.com

May 08, 2023

Mr. Forest Shostak
MJW Technical Services
15 Hazelwood Drive
Suite 112
Amherst, New York 14228

Re: 310 Ship Canal
Work Order: 618474

Dear Mr. Shostak:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on April 14, 2023. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4422.

Sincerely,

A. Melendrez

Adrian Melendrez for
Jacob Crook
Project Manager

Purchase Order: GELP19-0644
Enclosures

MJW Technical Services
310 Ship Canal
SDG: 618474

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Case Narrative

Case Narrative
for
MJW Technical Services
SDG: 618474

May 08, 2023

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary

Sample Receipt The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on April 14, 2023 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There were no collect dates or times on the containers received.

Sample Identification The laboratory received the following samples:

Laboratory ID	Client ID
618474001	310-Bkgoff1-8.24.22-S
618474002	310-Bkgoff2-4.12.23-S
618474003	310-Bkgon1-4.11.23-S

Case Narrative

Sample analyses were conducted using methodology as outlined in GEL Laboratories, LLC (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

Data Package

The enclosed data package contains the following sections: General Narrative, Chain of Custody and Supporting Documentation, and data from the following fractions: Radiochemistry.

A. Melendrez

Adrian Melendrez for
Jacob Crook
Project Manager

List of current GEL Certifications as of 08 May 2023

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122023-4
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2022-160
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-22-20
Utah NELAP	SC000122022-37
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

Chain of Custody and Supporting Documentation

Page: 1 of 1
Project # 310
GEL Quote #:
COC Number (1):
PO Number: 310 Ship Canal

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: 618474 GEL Project Manager:

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: MJW Companies Phone # 716-631-8291
Project/Site Name: 310 Ship Canal Fax #
Address: 15 Hazelwood Dr. Suite 112, Amherst, NY 14228
Collected By: FS+EO Send Results To: fshostak@mjwcorp.com

SDG: 618474

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Gamma Spec 21 days	Comments
310-Bkg off1-8.24.22-S	08-24-22	1500	G		So	N		1	X	Please report U-238, Th-232, Ra-228, Ra-226, U-234, Ac-228, Bi-214, Th-230, as part of gamma spec for each sample
310-Bkg off2-4.12.23-S	4-12-23	1330	G		So	N		1	X	
310-Bkg onl-4.11.23-S	4-11-23	0900	G		So	N		1	X	

Sample Analysis Requested (5) (Fill in the number of containers for each test)
<-- Preservative Type (6)

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		4.12.23	1630		4/14/23	930
2						
3						

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [ ] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [ ] Level 2 [ ] Level 3 [X] Level 4

Additional Remarks:

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** ____ °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: MJW	**SDG/AR/COC/Work Order:** 618474
Received By: MVH	**Date Received:** 4-14-2023
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other 771831223352

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 0 CPM/ mR/Hr **Classified as: Rad 1 Rad 2 Rad 3**
D) Did the client designate samples are hazardous?		✓	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		✓	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

	Sample Receipt Criteria	Yes	NA	No	**Comments/Qualifiers (Required for Non-Conforming Items)**
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius **TEMP:** 19
4	Daily check performed and passed on IR temperature gun?	✓			**Temperature Device Serial #:** IR2-21 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?		✓		Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?			✓	If Yes, are Encores or Soil Kits present for solids? Yes___ No___ NA___(If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___(If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample ID's and containers affected:
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			ID's and containers affected:
10	Date & time on COC match date & time on bottles?			✓	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?			✓	
13	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JH Date 4-17-23 Page 1 of 1

GL-CHL-SR-001 Rev 7

Data Review Qualifier Definitions

Data Review Qualifier Definitions

Qualifier	Explanation
*	A quality control analyte recovery is outside of specified acceptance criteria
**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
A	The TIC is a suspected aldol-condensation product
B	Target analyte was detected in the associated blank
B	Metals-Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
d	5-day BOD-The 2:1 depletion requirement was not met for this sample
E	Organics-Concentration of the target analyte exceeds the instrument calibration range
E	Metals-%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
H	Analytical holding time was exceeded
h	Preparation or preservation holding time was exceeded
J	Value is estimated
N	Metals-The Matrix spike sample recovery is not within specified control limits
N	Organics-Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC). Quantitation is based on nearest internal standard response factor
N/A	Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
ND	Analyte concentration is not detected above the reporting limit
UI	Gamma Spectroscopy-Uncertain identification
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
Z	Paint Filter Test-Particulates passed through the filter, however no free liquids were observed.

P Organics-The concentrations between the primary and confirmation columns/detectors is >40% difference. For HPLC, the difference is >70%.

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Radiological Analysis

Case Narrative

Radiochemistry
Technical Case Narrative
MJW Technical Services
SDG #: 618474

Product: **Dry Weight**
Preparation Method: Dry Soil Prep
Preparation Procedure: GL-RAD-A-021 REV# 24
Preparation Batch: 2414028

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
618474001	310-Bkgoff1-8.24.22-S
618474002	310-Bkgoff2-4.12.23-S
618474003	310-Bkgon1-4.11.23-S

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **Gammaspec, Gamma, Solid (Standard List)**
Analytical Method: DOE HASL 300, 4.5.2.3/Ga-01-R
Analytical Procedure: GL-RAD-A-013 REV# 27
Analytical Batch: 2414710

Preparation Method: Dry Soil Prep
Preparation Procedure: GL-RAD-A-021 REV# 24
Preparation Batch: 2414028

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
618474001	310-Bkgoff1-8.24.22-S
618474002	310-Bkgoff2-4.12.23-S
618474003	310-Bkgon1-4.11.23-S
1205377294	Method Blank (MB)
1205377295	618474001(310-Bkgoff1-8.24.22-S) Sample Duplicate (DUP)
1205377296	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on a "dry weight" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplication Criteria between QC Sample and Duplicate Sample
The Sample and the Duplicate, (See Below), did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with the value listed below.

Sample	Analyte	Value
1205377295 (310-Bkgoff1-8.24.22-SDUP)	Bismuth-214	RPD 43.6* (0.00%-20.00%) RER 2.17 (0-3)

Technical Information

Holding Time
Samples (See Below) were received and analyzed outside the hold time.

Sample	Value
1205377295 (310-Bkgoff1-8.24.22-SDUP)	Received 14-APR-23, out of holding 20-FEB-23
618474001 (310-Bkgoff1-8.24.22-S)	Received 14-APR-23, out of holding 20-FEB-23

Qualifier Information

Qualifier	Reason	Analyte	Sample	Client Sample
UI	Results are considered a false positive due to a short half-life.	Barium-140	618474001	310-Bkgoff1-8.24.22-S
		Cesium-136	618474001	310-Bkgoff1-8.24.22-S
UI	Results are considered a false positive due to high counting uncertainty.	Europium-155	618474003	310-Bkgon1-4.11.23-S
		Thorium-234	618474001	310-Bkgoff1-8.24.22-S
		Uranium-238	618474001	310-Bkgoff1-8.24.22-S

UI	Results are considered a false positive due to high peak-width.	Beryllium-7	618474003	310-Bkgon1-4.11.23-S
		Cesium-137	618474003	310-Bkgon1-4.11.23-S
		Chromium-51	1205377295	310-Bkgoff1-8.24.22-S(618474001DUP)
		Cobalt-58	1205377295	310-Bkgoff1-8.24.22-S(618474001DUP)

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Moisture LogBook

Batch: 2414028
Analyst: SF1
Date/Time: 15-APR-2023
Procedure Code:___PREPDDRY WEIGHT
Procedure Description: Dry Soil Prep GL-RAD-A-021 Dry Weight-Percent Moisture
Lab Sop: GL-RAD-A-021 GL-OA-E-020

Sample St	Sample Id	Rpd(%)
DUP	1205375619	**1.102**

Sample Id	Sample Type	Original Hsn	Balance	Run Time	Container Wt	Initial Wt	Final Wt (g)	Net Initial Wt (g)	Net Final Wt (g)	Moisture (%)
618474001	SAMPLE		SP-C234673837	12:00	13.34	496.4	479.66	483.06	466.32	3.465
618474002	SAMPLE		SP-C234673837	12:00	13.38	468.88	422.46	455.5	409.08	10.191
618474003	SAMPLE		SP-C234673837	12:00	13.3	504.5	417.02	491.2	403.72	17.809
618556001	SAMPLE		SP-C234673837	12:00	3.01	97.37	91.66	94.36	88.65	6.051
618556002	SAMPLE		SP-C234673837	12:00	3.02	90.12	85.2	87.1	82.18	5.648
1205375619	DUP	618556001	SP-C234673837	12:00	2.41	32.32	30.49	29.91	28.08	6.118

Comments:

A) Result = (Net Initial - Net Final) /Net Initial * 100

Note: Aliquot is used for the determination of the effective MDL and PQL in LIMS

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Qualifier Definition Report
for

MJWC001 MJW Technical Services

Client SDG: 618474 GEL Work Order: 618474

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a Tracer compound
H Analytical holding time was exceeded
U Analyte was analyzed for, but not detected above the Lc.
UI Gamma Spectroscopy--Uncertain identification
h Preparation or preservation holding time was exceeded

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature:  **Name: Theresa Austin**

Date: 11 MAY 2023 **Title: Analyst III - Data Validator**

Sample Data Summary

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MJW Technical Services
Address : 15 Hazelwood Drive
Suite 112
Amherst, New York 14228

Report Date: May 11, 2023

Contact: Mr. Forest Shostak
Project: 310 Ship Canal

Client Sample ID: 310-Bkgoff1-8.24.22-S
Sample ID: 618474001
Matrix: Soil
Collect Date: 24-AUG-22
Receive Date: 14-APR-23
Collector: Client
Moisture: 3.47%

Project: MJWC00223
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis														
Gammaspec, Gamma, Solid (Standard List) "Dry Weight Corrected"														
Actinium-228	hH	0.570	+/-0.208	0.144	+/-0.215		pCi/g			MJH1	05/08/23	0459	2414710	1
Americium-241	hHU	0.118	+/-0.151	0.305	+/-0.161		pCi/g							
Antimony-124	hHU	0.0285	+/-0.377	1.00	+/-0.377		pCi/g							
Antimony-125	hHU	0.0726	+/-0.0640	0.140	+/-0.0721		pCi/g							
Barium-133	hHU	-0.0247	+/-0.0279	0.0470	+/-0.0301		pCi/g							
Barium-140	hHUI	0.000	+/-91600	0.000	+/-91800		pCi/g							
Beryllium-7	hHU	0.0312	+/-4.81	9.39	+/-4.81		pCi/g							
Bismuth-212	hH	0.683	+/-0.460	0.529	+/-0.464		pCi/g							
Bismuth-214	hH	0.363	+/-0.127	0.0849	+/-0.130		pCi/g							
Cerium-139	hHU	0.0456	+/-0.0604	0.120	+/-0.0645		pCi/g							
Cerium-141	hHU	-1.37	+/-6.24	11.7	+/-6.27		pCi/g							
Cerium-144	hHU	0.0571	+/-0.202	0.395	+/-0.203		pCi/g							
Cesium-134	hHU	0.0515	+/-0.0757	0.0613	+/-0.0793		pCi/g							
Cesium-136	hHUI	0.000	+/-23500	0.000	+/-23800		pCi/g							
Cesium-137	hHU	0.0367	+/-0.0437	0.0385	+/-0.0438	0.100	pCi/g							
Chromium-51	hHU	-14.8	+/-96.9	173	+/-97.1		pCi/g							
Cobalt-56	hHU	-0.107	+/-0.247	0.435	+/-0.251		pCi/g							
Cobalt-57	hHU	0.000212	+/-0.0264	0.0509	+/-0.0264		pCi/g							
Cobalt-58	hHU	-0.114	+/-0.237	0.420	+/-0.242		pCi/g							
Cobalt-60	hHU	0.0157	+/-0.0262	0.0570	+/-0.0272		pCi/g							
Europium-152	hHU	-0.0524	+/-0.0583	0.107	+/-0.0631		pCi/g							
Europium-154	hHU	0.0439	+/-0.0814	0.174	+/-0.0838		pCi/g							
Europium-155	hHU	0.00509	+/-0.0694	0.136	+/-0.0695		pCi/g							
Iridium-192	hHU	-0.0559	+/-0.231	0.406	+/-0.232		pCi/g							
Iron-59	hHU	-0.382	+/-2.54	4.94	+/-2.54		pCi/g							
Lead-210	hHU	-10.2	+/-7.95	14.4	+/-9.29		pCi/g							
Lead-212	hH	0.492	+/-0.0829	0.0676	+/-0.0981		pCi/g							
Lead-214	hH	0.705	+/-0.115	0.0817	+/-0.133		pCi/g							
Manganese-54	hHU	-0.00277	+/-0.0362	0.0684	+/-0.0362		pCi/g							
Mercury-203	hHU	0.573	+/-0.886	1.62	+/-0.925		pCi/g							
Neodymium-147	hHU	-1.21E+05	+/-1.27E+06	0.000	+/-1.27E+06		pCi/g							
Neptunium-239	hHU	0.0810	+/-0.157	0.314	+/-0.162		pCi/g							
Niobium-94	hHU	0.0116	+/-0.0211	0.0428	+/-0.0217		pCi/g							
Niobium-95	hHU	-0.380	+/-0.395	0.652	+/-0.432		pCi/g							
Potassium-40	hH	11.7	+/-1.15	0.423	+/-1.69		pCi/g							
Promethium-144	hHU	0.00871	+/-0.0375	0.0710	+/-0.0377		pCi/g							
Promethium-146	hHU	0.0124	+/-0.0230	0.0488	+/-0.0237		pCi/g							
Radium-226	hH	0.705	+/-0.115	0.0817	+/-0.133		pCi/g							

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Certificate of Analysis

Company : MJW Technical Services
Address : 15 Hazelwood Drive
Suite 112
Amherst, New York 14228

Report Date: May 11, 2023

Contact: Mr. Forest Shostak
Project: 310 Ship Canal

Client Sample ID: 310-Bkgoff1-8.24.22-S
Sample ID: 618474001

Project: MJWC00223
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis														
Gammaspec, Gamma, Solid (Standard List) "Dry Weight Corrected"														
Radium-228	hH	0.570	+/-0.208	0.144	+/-0.215		pCi/g							
Ruthenium-106	hHU	0.0417	+/-0.295	0.582	+/-0.296		pCi/g							
Silver-110m	hHU	-0.00381	+/-0.0582	0.103	+/-0.0582		pCi/g							
Sodium-22	hHU	0.0171	+/-0.0324	0.0691	+/-0.0333		pCi/g							
Thallium-208	hH	0.109	+/-0.0476	0.0443	+/-0.0486		pCi/g							
Thorium-230	hH	0.705	+/-0.115	0.0817	+/-0.133		pCi/g							
Thorium-232	hH	0.570	+/-0.208	0.144	+/-0.215		pCi/g							
Thorium-234	hHUI	0.000	+/-2.82	2.02	+/-2.89		pCi/g							
Tin-113	hHU	-0.0197	+/-0.107	0.209	+/-0.107		pCi/g							
Uranium-234	hH	0.705	+/-0.115	0.0817	+/-0.133		pCi/g							
Uranium-235	hHU	-0.0164	+/-0.122	0.223	+/-0.122		pCi/g							
Uranium-238	hHUI	0.000	+/-2.82	2.02	+/-2.89		pCi/g							
Yttrium-88	hHU	0.00584	+/-0.0735	0.173	+/-0.0736		pCi/g							
Zinc-65	hHU	0.00745	+/-0.102	0.186	+/-0.102		pCi/g							
Zirconium-95	hHU	0.553	+/-0.631	1.33	+/-0.680		pCi/g							

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	SF1	04/15/23	1200	2414028

The following Analytical Methods were performed

Method	Description
1	DOE HASL 300, 4.5.2.3/Ga-01-R

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits

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Certificate of Analysis

Company : MJW Technical Services
Address : 15 Hazelwood Drive
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Report Date: May 11, 2023

Contact: Mr. Forest Shostak
Project: 310 Ship Canal

Client Sample ID: 310-Bkgoff1-8.24.22-S
Sample ID: 618474001

Project: MJWC00223
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Surrogate/Tracer Recovery	**Test**							**Batch ID**	**Recovery%**	**Acceptable Limits**				

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : MJW Technical Services
Address : 15 Hazelwood Drive
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Report Date: May 11, 2023

Contact: Mr. Forest Shostak
Project: 310 Ship Canal

Client Sample ID: 310-Bkgoff2-4.12.23-S
Sample ID: 618474002
Matrix: Soil
Collect Date: 12-APR-23
Receive Date: 14-APR-23
Collector: Client
Moisture: 10.2%

Project: MJWC00223
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis														
Gammaspec, Gamma, Solid (Standard List) "Dry Weight Corrected"														
Actinium-228		0.425	+/-0.163	0.139	+/-0.169		pCi/g			MJH1	05/08/23	0500	2414710	1
Americium-241	U	-0.0341	+/-0.0853	0.143	+/-0.0867		pCi/g							
Antimony-124	U	-0.0301	+/-0.0488	0.0840	+/-0.0507		pCi/g							
Antimony-125	U	-0.0273	+/-0.0502	0.0900	+/-0.0518		pCi/g							
Barium-133	U	0.0110	+/-0.0235	0.0426	+/-0.0241		pCi/g							
Barium-140	U	-0.0715	+/-0.252	0.459	+/-0.254		pCi/g							
Beryllium-7	U	0.160	+/-0.219	0.436	+/-0.231		pCi/g							
Bismuth-212		0.806	+/-0.521	0.473	+/-0.527		pCi/g							
Bismuth-214		0.604	+/-0.109	0.0762	+/-0.121		pCi/g							
Cerium-139	U	-0.0138	+/-0.0179	0.0299	+/-0.0192		pCi/g							
Cerium-141	U	0.0190	+/-0.0627	0.0754	+/-0.0633		pCi/g							
Cerium-144	U	-0.0567	+/-0.107	0.185	+/-0.110		pCi/g							
Cesium-134	U	0.0233	+/-0.0253	0.0510	+/-0.0275		pCi/g							
Cesium-136	U	-0.0288	+/-0.103	0.193	+/-0.103		pCi/g							
Cesium-137		0.0482	+/-0.0329	0.0372	+/-0.0331	0.100	pCi/g							
Chromium-51	U	0.172	+/-0.268	0.534	+/-0.279		pCi/g							
Cobalt-56	U	0.0120	+/-0.0250	0.0488	+/-0.0256		pCi/g							
Cobalt-57	U	0.00754	+/-0.0135	0.0254	+/-0.0139		pCi/g							
Cobalt-58	U	-0.0165	+/-0.0222	0.0365	+/-0.0235		pCi/g							
Cobalt-60	U	-0.0199	+/-0.0241	0.0408	+/-0.0258		pCi/g							
Europium-152	U	0.0309	+/-0.0517	0.0997	+/-0.0536		pCi/g							
Europium-154	U	0.0498	+/-0.0666	0.142	+/-0.0705		pCi/g							
Europium-155	U	-0.00269	+/-0.0578	0.104	+/-0.0578		pCi/g							
Iridium-192	U	0.0128	+/-0.0208	0.0414	+/-0.0216		pCi/g							
Iron-59	U	0.0448	+/-0.0519	0.114	+/-0.0559		pCi/g							
Lead-210	U	1.44	+/-3.54	3.40	+/-3.54		pCi/g							
Lead-212		0.425	+/-0.0645	0.0548	+/-0.0729		pCi/g							
Lead-214		0.550	+/-0.104	0.0799	+/-0.113		pCi/g							
Manganese-54	U	0.00293	+/-0.0221	0.0410	+/-0.0221		pCi/g							
Mercury-203	U	-0.00657	+/-0.0233	0.0438	+/-0.0235		pCi/g							
Neodymium-147	U	-0.227	+/-0.626	1.13	+/-0.634		pCi/g							
Neptunium-239	U	0.00235	+/-0.133	0.241	+/-0.133		pCi/g							
Niobium-94	U	-0.00381	+/-0.0199	0.0357	+/-0.0200		pCi/g							
Niobium-95	U	-0.0170	+/-0.0305	0.0518	+/-0.0315		pCi/g							
Potassium-40		11.4	+/-1.05	0.395	+/-1.48		pCi/g							
Promethium-144	U	-0.00144	+/-0.0220	0.0399	+/-0.0220		pCi/g							
Promethium-146	U	-0.00944	+/-0.0250	0.0452	+/-0.0254		pCi/g							
Radium-226		0.550	+/-0.104	0.0799	+/-0.113		pCi/g							
Radium-228		0.425	+/-0.163	0.139	+/-0.169		pCi/g							

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Certificate of Analysis

Company : MJW Technical Services
Address : 15 Hazelwood Drive
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Report Date: May 11, 2023

Contact: Mr. Forest Shostak
Project: 310 Ship Canal

Client Sample ID: 310-Bkgoff2-4.12.23-S
Sample ID: 618474002

Project: MJWC00223
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis														
Gammaspec, Gamma, Solid (Standard List) "Dry Weight Corrected"														
Ruthenium-106	U	-0.0464	+/-0.175	0.316	+/-0.176		pCi/g							
Silver-110m	U	-0.0106	+/-0.0271	0.0471	+/-0.0276		pCi/g							
Sodium-22	U	0.0151	+/-0.0238	0.0500	+/-0.0248		pCi/g							
Thallium-208		0.117	+/-0.0538	0.0337	+/-0.0547		pCi/g							
Thorium-230		0.550	+/-0.104	0.0799	+/-0.113		pCi/g							
Thorium-232		0.425	+/-0.163	0.139	+/-0.169		pCi/g							
Thorium-234	U	0.228	+/-1.37	1.30	+/-1.37		pCi/g							
Tin-113	U	0.00351	+/-0.0278	0.0529	+/-0.0279		pCi/g							
Uranium-234		0.550	+/-0.104	0.0799	+/-0.113		pCi/g							
Uranium-235	U	0.0485	+/-0.160	0.197	+/-0.160		pCi/g							
Uranium-238	U	0.228	+/-1.37	1.30	+/-1.37		pCi/g							
Yttrium-88	U	-0.0116	+/-0.0225	0.0395	+/-0.0231		pCi/g							
Zinc-65	U	-0.000973	+/-0.0489	0.0844	+/-0.0489		pCi/g							
Zirconium-95	U	0.00634	+/-0.0447	0.0840	+/-0.0447		pCi/g							

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	SF1	04/15/23	1200	2414028

The following Analytical Methods were performed

Method	Description
1	DOE HASL 300, 4.5.2.3/Ga-01-R

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits

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Certificate of Analysis

Company : MJW Technical Services
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Report Date: May 11, 2023

Contact: Mr. Forest Shostak
Project: 310 Ship Canal

Client Sample ID: 310-Bkgoff2-4.12.23-S
Sample ID: 618474002

Project: MJWC00223
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Surrogate/Tracer Recovery	**Test**								**Batch ID**	**Recovery%**	**Acceptable Limits**			

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : MJW Technical Services
Address : 15 Hazelwood Drive
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Report Date: May 11, 2023

Contact: Mr. Forest Shostak
Project: 310 Ship Canal

Client Sample ID: 310-Bkgon1-4.11.23-S
Sample ID: 618474003
Matrix: Soil
Collect Date: 11-APR-23
Receive Date: 14-APR-23
Collector: Client
Moisture: 17.8%

Project: MJWC00223
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis														
Gammaspec, Gamma, Solid (Standard List) "Dry Weight Corrected"														
Actinium-228		0.836	+/-0.285	0.157	+/-0.295		pCi/g			MJH1	05/08/23	0549	2414710	1
Americium-241	U	0.111	+/-0.101	0.191	+/-0.113		pCi/g							
Antimony-124	U	-0.0289	+/-0.0669	0.119	+/-0.0682		pCi/g							
Antimony-125	U	0.0530	+/-0.0714	0.124	+/-0.0755		pCi/g							
Barium-133	U	-0.00449	+/-0.0250	0.0423	+/-0.0251		pCi/g							
Barium-140	U	-0.0587	+/-0.330	0.605	+/-0.331		pCi/g							
Beryllium-7	UI	0.000	+/-0.836	0.439	+/-0.837		pCi/g							
Bismuth-212	U	0.429	+/-0.688	0.604	+/-0.689		pCi/g							
Bismuth-214		0.827	+/-0.135	0.0749	+/-0.152		pCi/g							
Cerium-139	U	-0.0160	+/-0.0205	0.0346	+/-0.0220		pCi/g							
Cerium-141	U	0.0141	+/-0.0507	0.0928	+/-0.0511		pCi/g							
Cerium-144	U	-0.0375	+/-0.122	0.217	+/-0.123		pCi/g							
Cesium-134	U	0.0495	+/-0.0594	0.0612	+/-0.0636		pCi/g							
Cesium-136	U	-0.0175	+/-0.139	0.264	+/-0.140		pCi/g							
Cesium-137	UI	0.000	+/-0.0737	0.0487	+/-0.0738	0.100	pCi/g							
Chromium-51	U	0.0973	+/-0.323	0.629	+/-0.326		pCi/g							
Cobalt-56	U	-0.0125	+/-0.0302	0.0517	+/-0.0307		pCi/g							
Cobalt-57	U	0.00392	+/-0.0159	0.0295	+/-0.0160		pCi/g							
Cobalt-58	U	0.00271	+/-0.0288	0.0536	+/-0.0289		pCi/g							
Cobalt-60	U	0.000104	+/-0.0214	0.0426	+/-0.0214		pCi/g							
Europium-152	U	-0.0403	+/-0.0633	0.114	+/-0.0660		pCi/g							
Europium-154	U	0.0394	+/-0.0893	0.163	+/-0.0911		pCi/g							
Europium-155	UI	0.000	+/-0.130	0.112	+/-0.130		pCi/g							
Iridium-192	U	-0.0129	+/-0.0243	0.0447	+/-0.0250		pCi/g							
Iron-59	U	0.0161	+/-0.0841	0.162	+/-0.0844		pCi/g							
Lead-210	U	-1.12	+/-2.57	4.65	+/-2.62		pCi/g							
Lead-212		0.949	+/-0.0929	0.0638	+/-0.121		pCi/g							
Lead-214		1.13	+/-0.141	0.0736	+/-0.169		pCi/g							
Manganese-54	U	0.0100	+/-0.0263	0.0499	+/-0.0267		pCi/g							
Mercury-203	U	0.00377	+/-0.0510	0.0500	+/-0.0511		pCi/g							
Neodymium-147	U	0.0853	+/-0.707	1.35	+/-0.708		pCi/g							
Neptunium-239	U	-0.0109	+/-0.151	0.275	+/-0.151		pCi/g							
Niobium-94	U	-0.0148	+/-0.0249	0.0423	+/-0.0258		pCi/g							
Niobium-95	U	-0.00244	+/-0.0384	0.0612	+/-0.0384		pCi/g							
Potassium-40		15.8	+/-1.25	0.372	+/-1.97		pCi/g							
Promethium-144	U	0.0158	+/-0.0229	0.0454	+/-0.0240		pCi/g							
Promethium-146	U	0.0221	+/-0.0277	0.0558	+/-0.0295		pCi/g							
Radium-226		1.13	+/-0.141	0.0736	+/-0.169		pCi/g							
Radium-228		0.836	+/-0.285	0.157	+/-0.295		pCi/g							

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Certificate of Analysis

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Report Date: May 11, 2023

Contact: Mr. Forest Shostak
Project: 310 Ship Canal

Client Sample ID: 310-Bkgon1-4.11.23-S
Sample ID: 618474003

Project: MJWC00223
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis														
Gammaspec, Gamma, Solid (Standard List) "Dry Weight Corrected"														
Ruthenium-106	U	0.106	+/-0.192	0.384	+/-0.198		pCi/g							
Silver-110m	U	-0.00259	+/-0.0344	0.0665	+/-0.0345		pCi/g							
Sodium-22	U	0.0140	+/-0.0317	0.0579	+/-0.0323		pCi/g							
Thallium-208		0.216	+/-0.0501	0.0450	+/-0.0534		pCi/g							
Thorium-230		1.13	+/-0.141	0.0736	+/-0.169		pCi/g							
Thorium-232		0.836	+/-0.285	0.157	+/-0.295		pCi/g							
Thorium-234		1.67	+/-1.57	1.47	+/-1.62		pCi/g							
Tin-113	U	0.00719	+/-0.0322	0.0618	+/-0.0323		pCi/g							
Uranium-234		1.13	+/-0.141	0.0736	+/-0.169		pCi/g							
Uranium-235	U	0.0667	+/-0.125	0.233	+/-0.129		pCi/g							
Uranium-238		1.67	+/-1.57	1.47	+/-1.62		pCi/g							
Yttrium-88	U	0.0166	+/-0.0218	0.0539	+/-0.0231		pCi/g							
Zinc-65	U	0.0429	+/-0.0684	0.126	+/-0.0712		pCi/g							
Zirconium-95	U	0.00190	+/-0.0522	0.0967	+/-0.0522		pCi/g							

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	SF1	04/15/23	1200	2414028

The following Analytical Methods were performed

Method	Description
1	DOE HASL 300, 4.5.2.3/Ga-01-R

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MJW Technical Services
Address : 15 Hazelwood Drive
Suite 112
Amherst, New York 14228

Report Date: May 11, 2023

Contact: Mr. Forest Shostak
Project: 310 Ship Canal

Client Sample ID: 310-Bkgon1-4.11.23-S
Sample ID: 618474003

Project: MJWC00223
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Surrogate/Tracer Recovery	**Test**							**Batch ID**	**Recovery%**	**Acceptable Limits**				

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Quality Control Data

QC Summary

Client : **MJW Technical Services**
15 Hazelwood Drive
Suite 112
Amherst, New York

Contact: **Mr. Forest Shostak**

Workorder: **618474**

Report Date: May 11, 2023

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2414710										
QC1205377295 618474001 DUP										
Actinium-228	hH	0.570	H	0.503	pCi/g	12.6		(0% - 100%)	MJH1	05/08/2307:15
	Uncert:	+/-0.208		+/-0.196						
	TPU:	+/-0.215		+/-0.202						
Americium-241	hHU	0.118	UH	0.0888	pCi/g	0		N/A		
	Uncert:	+/-0.151		+/-0.213						
	TPU:	+/-0.161		+/-0.213						
Antimony-124	hHU	0.0285	UH	0.195	pCi/g	0		N/A		
	Uncert:	+/-0.377		+/-0.931						
	TPU:	+/-0.377		+/-0.935						
Antimony-125	hHU	0.0726	UH	-0.000617	pCi/g	0		N/A		
	Uncert:	+/-0.0640		+/-0.0661						
	TPU:	+/-0.0721		+/-0.0661						
Barium-133	hHU	-0.0247	UH	0.00405	pCi/g	0		N/A		
	Uncert:	+/-0.0279		+/-0.0306						
	TPU:	+/-0.0301		+/-0.0307						
Barium-140	hHUI	0.000	UH	-32500	pCi/g	200*		(0%-20%)		
	Uncert:	+/-91600		+/-80500						
	TPU:	+/-91800		+/-81900						
Beryllium-7	hHU	0.0312	UH	-2.15	pCi/g	0		N/A		
	Uncert:	+/-4.81		+/-4.95						
	TPU:	+/-4.81		+/-5.04						
Bismuth-212	hH	0.683	H	0.878	pCi/g	24.9		(0% - 100%)		
	Uncert:	+/-0.460		+/-0.548						
	TPU:	+/-0.464		+/-0.554						
Bismuth-214	hH	0.363	H	0.566	pCi/g	43.6*		(0%-20%)		
	Uncert:	+/-0.127		+/-0.118						
	TPU:	+/-0.130		+/-0.129						
Cerium-139	hHU	0.0456	UH	-0.0750	pCi/g	0		N/A		
	Uncert:	+/-0.0604		+/-0.0751						
	TPU:	+/-0.0645		+/-0.0838						
Cerium-141	hHU	-1.37	UH	-3.24	pCi/g	0		N/A		
	Uncert:	+/-6.24		+/-6.36						
	TPU:	+/-6.27		+/-6.53						
Cerium-144	hHU	0.0571	UH	-0.106	pCi/g	0		N/A		
	Uncert:	+/-0.202		+/-0.203						
	TPU:	+/-0.203		+/-0.209						
Cesium-134	hHU	0.0515	UH	0.0474	pCi/g	0		N/A		
	Uncert:	+/-0.0757		+/-0.0560						
	TPU:	+/-0.0793		+/-0.0601						
Cesium-136	hHUI	0.000	UH	-16100	pCi/g	200*		(0%-20%)		
	Uncert:	+/-23500		+/-21400						

QC Summary

Workorder: **618474**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2414710										
	TPU:	+/-23800		+/-22600						
Cesium-137	hHU	0.0367	H	0.0667	pCi/g	53.6		(0% - 100%)		
	Uncert:	+/-0.0437		+/-0.0569						
	TPU:	+/-0.0438		+/-0.0572						
Chromium-51	hHU	-14.8	UHUI	0.000	pCi/g	0		N/A		
	Uncert:	+/-96.9		+/-172						
	TPU:	+/-97.1		+/-172						
Cobalt-56	hHU	-0.107	UH	0.0800	pCi/g	0		N/A		
	Uncert:	+/-0.247		+/-0.209						
	TPU:	+/-0.251		+/-0.212						
Cobalt-57	hHU	0.000212	UH	-0.00378	pCi/g	0		N/A		
	Uncert:	+/-0.0264		+/-0.0289						
	TPU:	+/-0.0264		+/-0.0290						
Cobalt-58	hHU	-0.114	UHUI	0.000	pCi/g	0		N/A		
	Uncert:	+/-0.237		+/-0.488						
	TPU:	+/-0.242		+/-0.490						
Cobalt-60	hHU	0.0157	UH	0.0217	pCi/g	0		N/A		
	Uncert:	+/-0.0262		+/-0.0313						
	TPU:	+/-0.0272		+/-0.0328						
Europium-152	hHU	-0.0524	UH	-0.0262	pCi/g	0		N/A		
	Uncert:	+/-0.0583		+/-0.0695						
	TPU:	+/-0.0631		+/-0.0706						
Europium-154	hHU	0.0439	UH	-0.00157	pCi/g	0		N/A		
	Uncert:	+/-0.0814		+/-0.0748						
	TPU:	+/-0.0838		+/-0.0748						
Europium-155	hHU	0.00509	UH	-0.0254	pCi/g	0		N/A		
	Uncert:	+/-0.0694		+/-0.0714						
	TPU:	+/-0.0695		+/-0.0724						
Iridium-192	hHU	-0.0559	UH	0.0690	pCi/g	0		N/A		
	Uncert:	+/-0.231		+/-0.201						
	TPU:	+/-0.232		+/-0.204						
Iron-59	hHU	-0.382	UH	-1.73	pCi/g	0		N/A		
	Uncert:	+/-2.54		+/-2.61						
	TPU:	+/-2.54		+/-2.73						
Lead-210	hHU	-10.2	UH	-2.88	pCi/g	0		N/A		
	Uncert:	+/-7.95		+/-4.85						
	TPU:	+/-9.29		+/-5.03						
Lead-212	hH	0.492	H	0.481	pCi/g	2.2		(0%-20%)		
	Uncert:	+/-0.0829		+/-0.0787						
	TPU:	+/-0.0981		+/-0.0901						
Lead-214	hH	0.705	H	0.654	pCi/g	7.62		(0%-20%)		
	Uncert:	+/-0.115		+/-0.137						
	TPU:	+/-0.133		+/-0.150						
Manganese-54	hHU	-0.00277	UH	0.0481	pCi/g	0		N/A		
	Uncert:	+/-0.0362		+/-0.0463						
	TPU:	+/-0.0362		+/-0.0513						

QC Summary

Workorder: **618474**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2414710										
Mercury-203	hHU	0.573	UH	-0.261	pCi/g	0		N/A		
	Uncert:	+/-0.886		+/-0.857						
	TPU:	+/-0.925		+/-0.866						
Neodymium-147	hHU	-1.21E+05	UH	-1.12E+06	pCi/g	0		N/A		
	Uncert:	+/-1.27E+06		+/-1.41E+06						
	TPU:	+/-1.27E+06		+/-1.51E+06						
Neptunium-239	hHU	0.0810	UH	-0.0536	pCi/g	0		N/A		
	Uncert:	+/-0.157		+/-0.174						
	TPU:	+/-0.162		+/-0.176						
Niobium-94	hHU	0.0116	UH	-0.00244	pCi/g	0		N/A		
	Uncert:	+/-0.0211		+/-0.0221						
	TPU:	+/-0.0217		+/-0.0221						
Niobium-95	hHU	-0.380	UH	-0.00452	pCi/g	0		N/A		
	Uncert:	+/-0.395		+/-0.389						
	TPU:	+/-0.432		+/-0.389						
Potassium-40	hH	11.7	H	12.4	pCi/g	5.31		(0%-20%)		
	Uncert:	+/-1.15		+/-1.04						
	TPU:	+/-1.69		+/-1.55						
Promethium-144	hHU	0.00871	UH	-0.00189	pCi/g	0		N/A		
	Uncert:	+/-0.0375		+/-0.0402						
	TPU:	+/-0.0377		+/-0.0402						
Promethium-146	hHU	0.0124	UH	-0.0279	pCi/g	0		N/A		
	Uncert:	+/-0.0230		+/-0.0320						
	TPU:	+/-0.0237		+/-0.0346						
Radium-226	hH	0.705	H	0.654	pCi/g	7.62		(0%-20%)		
	Uncert:	+/-0.115		+/-0.137						
	TPU:	+/-0.133		+/-0.150						
Radium-228	hH	0.570	H	0.503	pCi/g	12.6		(0% - 100%)		
	Uncert:	+/-0.208		+/-0.196						
	TPU:	+/-0.215		+/-0.202						
Ruthenium-106	hHU	0.0417	UH	-0.0278	pCi/g	0		N/A		
	Uncert:	+/-0.295		+/-0.316						
	TPU:	+/-0.296		+/-0.316						
Silver-110m	hHU	-0.00381	UH	-0.0672	pCi/g	0		N/A		
	Uncert:	+/-0.0582		+/-0.0639						
	TPU:	+/-0.0582		+/-0.0710						
Sodium-22	hHU	0.0171	UH	0.00390	pCi/g	0		N/A		
	Uncert:	+/-0.0324		+/-0.0289						
	TPU:	+/-0.0333		+/-0.0290						
Thallium-208	hH	0.109	H	0.164	pCi/g	40.4		(0% - 100%)		
	Uncert:	+/-0.0476		+/-0.0565						
	TPU:	+/-0.0486		+/-0.0584						
Thorium-230	hH	0.705	H	0.653	pCi/g	7.63		(0%-20%)		
	Uncert:	+/-0.115		+/-0.137						
	TPU:	+/-0.133		+/-0.150						
Thorium-232	hH	0.570	H	0.503	pCi/g	12.6		(0% - 100%)		

QC Summary

Workorder: **618474**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2414710										
	Uncert:	+/-0.208		+/-0.196						
	TPU:	+/-0.215		+/-0.202						
Thorium-234	hHUI	0.000	HU	0.285	pCi/g	0		N/A		
	Uncert:	+/-2.82		+/-2.38						
	TPU:	+/-2.89		+/-2.38						
Tin-113	hHU	-0.0197	HU	-0.0637	pCi/g	0		N/A		
	Uncert:	+/-0.107		+/-0.115						
	TPU:	+/-0.107		+/-0.119						
Uranium-234	hH	0.705	H	0.653	pCi/g	7.63		(0%-20%)		
	Uncert:	+/-0.115		+/-0.137						
	TPU:	+/-0.133		+/-0.150						
Uranium-235	hHU	-0.0164	HU	-0.0473	pCi/g	0		N/A		
	Uncert:	+/-0.122		+/-0.123						
	TPU:	+/-0.122		+/-0.123						
Uranium-238	hHUI	0.000	HU	0.285	pCi/g	0		N/A		
	Uncert:	+/-2.82		+/-2.38						
	TPU:	+/-2.89		+/-2.38						
Yttrium-88	hHU	0.00584	HU	0.00694	pCi/g	0		N/A		
	Uncert:	+/-0.0735		+/-0.101						
	TPU:	+/-0.0736		+/-0.101						
Zinc-65	hHU	0.00745	HU	0.0783	pCi/g	0		N/A		
	Uncert:	+/-0.102		+/-0.113						
	TPU:	+/-0.102		+/-0.119						
Zirconium-95	hHU	0.553	HU	-0.278	pCi/g	0		N/A		
	Uncert:	+/-0.631		+/-0.610						
	TPU:	+/-0.680		+/-0.623						
QC1205377296 LCS										
Actinium-228			U	-0.453	pCi/g				MJH1	05/08/2306:53
	Uncert:			+/-1.85						
	TPU:			+/-1.86						
Americium-241	484			522	pCi/g		108	(75%-125%)		
	Uncert:			+/-11.5						
	TPU:			+/-58.2						
Antimony-124			U	0.275	pCi/g					
	Uncert:			+/-0.464						
	TPU:			+/-0.481						
Antimony-125			U	-0.117	pCi/g					
	Uncert:			+/-1.15						
	TPU:			+/-1.15						
Barium-133			U	-0.376	pCi/g					
	Uncert:			+/-0.446						
	TPU:			+/-0.478						
Barium-140			U	-0.912	pCi/g					
	Uncert:			+/-3.80						
	TPU:			+/-3.82						
Beryllium-7			U	-1.36	pCi/g					

QC Summary

Workorder: **618474**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2414710										
	Uncert:			+/-4.65						
	TPU:			+/-4.69						
Bismuth-212			U	-0.717	pCi/g					
	Uncert:			+/-4.86						
	TPU:			+/-4.87						
Bismuth-214			U	-0.00177	pCi/g					
	Uncert:			+/-0.656						
	TPU:			+/-0.656						
Cerium-139			U	-0.183	pCi/g					
	Uncert:			+/-0.266						
	TPU:			+/-0.281						
Cerium-141			U	-0.234	pCi/g					
	Uncert:			+/-0.596						
	TPU:			+/-0.605						
Cerium-144			U	-0.109	pCi/g					
	Uncert:			+/-1.74						
	TPU:			+/-1.74						
Cesium-134			U	-0.250	pCi/g					
	Uncert:			+/-0.415						
	TPU:			+/-0.431						
Cesium-136			U	0.908	pCi/g					
	Uncert:			+/-2.08						
	TPU:			+/-2.12						
Cesium-137	154			147	pCi/g		95.2	(75%-125%)		
	Uncert:			+/-2.79						
	TPU:			+/-12.6						
Chromium-51			U	7.64	pCi/g					
	Uncert:			+/-7.51						
	TPU:			+/-7.54						
Cobalt-56			U	0.527	pCi/g					
	Uncert:			+/-0.773						
	TPU:			+/-0.810						
Cobalt-57			U	-0.0230	pCi/g					
	Uncert:			+/-0.226						
	TPU:			+/-0.227						
Cobalt-58			U	0.416	pCi/g					
	Uncert:			+/-0.450						
	TPU:			+/-0.489						
Cobalt-60	67.9			64.4	pCi/g		94.7	(75%-125%)		
	Uncert:			+/-2.34						
	TPU:			+/-6.04						
Europium-152			U	-0.698	pCi/g					
	Uncert:			+/-0.985						
	TPU:			+/-1.04						
Europium-154			U	0.138	pCi/g					
	Uncert:			+/-0.511						

QC Summary

Workorder: **618474**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2414710										
	TPU:			+/-0.515						
Europium-155			U	-0.347	pCi/g					
	Uncert:			+/-0.910						
	TPU:			+/-0.924						
Iridium-192			U	-0.0514	pCi/g					
	Uncert:			+/-0.432						
	TPU:			+/-0.433						
Iron-59			U	-0.113	pCi/g					
	Uncert:			+/-1.23						
	TPU:			+/-1.23						
Lead-210				4260	pCi/g					
	Uncert:			+/-275						
	TPU:			+/-528						
Lead-212			U	0.178	pCi/g					
	Uncert:			+/-0.569						
	TPU:			+/-0.575						
Lead-214			U	0.329	pCi/g					
	Uncert:			+/-0.769						
	TPU:			+/-0.784						
Manganese-54			U	0.0889	pCi/g					
	Uncert:			+/-0.384						
	TPU:			+/-0.386						
Mercury-203			U	-0.187	pCi/g					
	Uncert:			+/-0.424						
	TPU:			+/-0.433						
Neodymium-147			U	-2.39	pCi/g					
	Uncert:			+/-8.97						
	TPU:			+/-9.03						
Neptunium-239			U	0.857	pCi/g					
	Uncert:			+/-2.30						
	TPU:			+/-2.33						
Niobium-94			U	-0.0595	pCi/g					
	Uncert:			+/-0.284						
	TPU:			+/-0.285						
Niobium-95			U	-0.280	pCi/g					
	Uncert:			+/-0.430						
	TPU:			+/-0.449						
Potassium-40			U	-0.0601	pCi/g					
	Uncert:			+/-1.47						
	TPU:			+/-1.47						
Promethium-144			U	-0.130	pCi/g					
	Uncert:			+/-0.308						
	TPU:			+/-0.314						
Promethium-146			U	0.0981	pCi/g					
	Uncert:			+/-0.591						
	TPU:			+/-0.593						

QC Summary

Workorder: **618474**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2414710										
Radium-226			U	0.329	pCi/g					
	Uncert:			+/-0.769						
	TPU:			+/-0.784						
Radium-228			U	-0.453	pCi/g					
	Uncert:			+/-1.85						
	TPU:			+/-1.86						
Ruthenium-106			U	1.10	pCi/g					
	Uncert:			+/-3.04						
	TPU:			+/-3.08						
Silver-110m			U	0.0685	pCi/g					
	Uncert:			+/-0.641						
	TPU:			+/-0.641						
Sodium-22			U	0.0730	pCi/g					
	Uncert:			+/-0.178						
	TPU:			+/-0.182						
Thallium-208			U	0.588	pCi/g					
	Uncert:			+/-0.483						
	TPU:			+/-0.485						
Thorium-230			U	0.329	pCi/g					
	Uncert:			+/-0.769						
	TPU:			+/-0.784						
Thorium-232			U	-0.453	pCi/g					
	Uncert:			+/-1.85						
	TPU:			+/-1.86						
Thorium-234			U	0.507	pCi/g					
	Uncert:			+/-13.3						
	TPU:			+/-13.3						
Tin-113			U	0.528	pCi/g					
	Uncert:			+/-0.564						
	TPU:			+/-0.614						
Uranium-234			U	0.329	pCi/g					
	Uncert:			+/-0.769						
	TPU:			+/-0.784						
Uranium-235			U	0.971	pCi/g					
	Uncert:			+/-1.68						
	TPU:			+/-1.74						
Uranium-238			U	0.507	pCi/g					
	Uncert:			+/-13.3						
	TPU:			+/-13.3						
Yttrium-88			U	-0.0283	pCi/g					
	Uncert:			+/-0.164						
	TPU:			+/-0.165						
Zinc-65			U	0.824	pCi/g					
	Uncert:			+/-0.993						
	TPU:			+/-1.06						
Zirconium-95			U	-0.0813	pCi/g					

QC Summary

Workorder: **618474**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2414710										
	Uncert:			+/-0.738						
	TPU:			+/-0.739						
QC1205377294 MB										
Actinium-228			U	-0.0392	pCi/g				MJH1	05/08/2305:50
	Uncert:			+/-0.0575						
	TPU:			+/-0.0603						
Americium-241			U	-0.0136	pCi/g					
	Uncert:			+/-0.0325						
	TPU:			+/-0.0330						
Antimony-124			U	-0.0177	pCi/g					
	Uncert:			+/-0.0404						
	TPU:			+/-0.0412						
Antimony-125			U	0.00675	pCi/g					
	Uncert:			+/-0.0261						
	TPU:			+/-0.0263						
Barium-133			U	0.00467	pCi/g					
	Uncert:			+/-0.0121						
	TPU:			+/-0.0123						
Barium-140			U	0.0371	pCi/g					
	Uncert:			+/-0.131						
	TPU:			+/-0.132						
Beryllium-7			U	0.00769	pCi/g					
	Uncert:			+/-0.0945						
	TPU:			+/-0.0945						
Bismuth-212			U	-0.0214	pCi/g					
	Uncert:			+/-0.152						
	TPU:			+/-0.152						
Bismuth-214			U	0.0149	pCi/g					
	Uncert:			+/-0.0352						
	TPU:			+/-0.0358						
Cerium-139			U	0.00403	pCi/g					
	Uncert:			+/-0.00851						
	TPU:			+/-0.00874						
Cerium-141			U	0.000672	pCi/g					
	Uncert:			+/-0.0198						
	TPU:			+/-0.0198						
Cerium-144			U	0.0138	pCi/g					
	Uncert:			+/-0.0602						
	TPU:			+/-0.0606						
Cesium-134			U	-0.00254	pCi/g					
	Uncert:			+/-0.0148						
	TPU:			+/-0.0149						
Cesium-136			U	0.0132	pCi/g					
	Uncert:			+/-0.0429						
	TPU:			+/-0.0434						
Cesium-137			U	0.00699	pCi/g					

QC Summary

Workorder: **618474**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2414710										
	Uncert:			+/-0.0124						
	TPU:			+/-0.0128						
Chromium-51			U	0.00713	pCi/g					
	Uncert:			+/-0.127						
	TPU:			+/-0.127						
Cobalt-56			U	-0.00883	pCi/g					
	Uncert:			+/-0.0124						
	TPU:			+/-0.0130						
Cobalt-57			U	-0.00244	pCi/g					
	Uncert:			+/-0.00720						
	TPU:			+/-0.00728						
Cobalt-58			U	0.00383	pCi/g					
	Uncert:			+/-0.00950						
	TPU:			+/-0.00966						
Cobalt-60			U	0.00671	pCi/g					
	Uncert:			+/-0.0116						
	TPU:			+/-0.0120						
Europium-152			U	-0.00126	pCi/g					
	Uncert:			+/-0.0297						
	TPU:			+/-0.0297						
Europium-154			U	-0.00228	pCi/g					
	Uncert:			+/-0.0312						
	TPU:			+/-0.0312						
Europium-155			U	-0.00919	pCi/g					
	Uncert:			+/-0.0233						
	TPU:			+/-0.0237						
Iridium-192			U	0.00398	pCi/g					
	Uncert:			+/-0.0109						
	TPU:			+/-0.0111						
Iron-59			U	-0.00663	pCi/g					
	Uncert:			+/-0.0295						
	TPU:			+/-0.0297						
Lead-210			U	-0.865	pCi/g					
	Uncert:			+/-0.851						
	TPU:			+/-0.939						
Lead-212			U	-0.00404	pCi/g					
	Uncert:			+/-0.0208						
	TPU:			+/-0.0209						
Lead-214			U	0.00979	pCi/g					
	Uncert:			+/-0.0288						
	TPU:			+/-0.0291						
Manganese-54			U	-0.00327	pCi/g					
	Uncert:			+/-0.0114						
	TPU:			+/-0.0115						
Mercury-203			U	0.0140	pCi/g					
	Uncert:			+/-0.0184						

QC Summary

Workorder: **618474**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2414710										
	TPU:			+/-0.0185						
Neodymium-147			U	0.0399	pCi/g					
	Uncert:			+/-0.246						
	TPU:			+/-0.247						
Neptunium-239			U	0.121	pCi/g					
	Uncert:			+/-0.120						
	TPU:			+/-0.132						
Niobium-94			U	-0.000649	pCi/g					
	Uncert:			+/-0.0107						
	TPU:			+/-0.0107						
Niobium-95			U	-0.00649	pCi/g					
	Uncert:			+/-0.0121						
	TPU:			+/-0.0125						
Potassium-40			U	-0.139	pCi/g					
	Uncert:			+/-0.181						
	TPU:			+/-0.192						
Promethium-144			U	0.00142	pCi/g					
	Uncert:			+/-0.0111						
	TPU:			+/-0.0111						
Promethium-146			U	0.00285	pCi/g					
	Uncert:			+/-0.0121						
	TPU:			+/-0.0122						
Radium-226			U	0.00979	pCi/g					
	Uncert:			+/-0.0288						
	TPU:			+/-0.0291						
Radium-228			U	-0.0392	pCi/g					
	Uncert:			+/-0.0575						
	TPU:			+/-0.0603						
Ruthenium-106			U	0.0656	pCi/g					
	Uncert:			+/-0.105						
	TPU:			+/-0.109						
Silver-110m			U	-0.00703	pCi/g					
	Uncert:			+/-0.0162						
	TPU:			+/-0.0165						
Sodium-22			U	-0.00133	pCi/g					
	Uncert:			+/-0.0109						
	TPU:			+/-0.0109						
Thallium-208			U	-0.00240	pCi/g					
	Uncert:			+/-0.0145						
	TPU:			+/-0.0145						
Thorium-230			U	0.00979	pCi/g					
	Uncert:			+/-0.0288						
	TPU:			+/-0.0291						
Thorium-232			U	-0.0392	pCi/g					
	Uncert:			+/-0.0575						
	TPU:			+/-0.0603						

QC Summary

Workorder: **618474**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2414710										
Thorium-234			U	0.0991	pCi/g					
	Uncert:			+/-0.687						
	TPU:			+/-0.687						
Tin-113			U	-0.00403	pCi/g					
	Uncert:			+/-0.0128						
	TPU:			+/-0.0129						
Uranium-234			U	0.00979	pCi/g					
	Uncert:			+/-0.0288						
	TPU:			+/-0.0291						
Uranium-235			U	-0.0269	pCi/g					
	Uncert:			+/-0.0552						
	TPU:			+/-0.0565						
Uranium-238			U	0.0991	pCi/g					
	Uncert:			+/-0.687						
	TPU:			+/-0.687						
Yttrium-88			U	0.00693	pCi/g					
	Uncert:			+/-0.0168						
	TPU:			+/-0.0171						
Zinc-65			U	0.0220	pCi/g					
	Uncert:			+/-0.0282						
	TPU:			+/-0.0299						
Zirconium-95			U	0.0147	pCi/g					
	Uncert:			+/-0.0225						
	TPU:			+/-0.0235						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the Lc.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.

QC Summary

Workorder: **618474**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time

M	REMP Result > MDC/CL and < RDL
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Gamma Spectroscopy
Raw Data

Batch 2414710 Check-list

This check-list was completed on 08-MAY-23 by Tim Winters

This batch was reviewed by Spencer Collins on 08-MAY-23 and Tim Winters on 08-MAY-23.

Batch ID: 2414710 **Product:** GSCGAMMS **Description:** Gamma Spec Solid RAD A-013

#	Criteria	Yes	No	Comments
Preparation Information				
1	Did any sample(s) require dilution?		No	
2	Were all of the samples homogenous? Include sample description if not homogenous	Yes		
3	Was the preservation correct for this analysis?	Yes		
Internal Checklist Information				
4	Are instrument source checks within limits?	Yes		
5	Have sample historical results been reviewed for this batch?	Yes		
Technical Information				
6	Were any additional radionuclides added that were not requested by the client?		No	
7	Were all the samples prepared/analyzed within the required holding time period?		No	
Quality Control (QC) Information				
8	Was the method blank (MB) within the acceptance criteria?	Yes		
9	Were the laboratory control sample (LCS/LCSD) recoveries within the acceptance limits?	Yes		
10	Were the relative percent differences and/or error (RPD/RER) between the sample and its duplicate within acceptable limits?		No	
11	Has the method required detection limit been met?	Yes		
Miscellaneous Information				
12	Are sample-specific MDA/MDC calculated and reported?	Yes		

Prep Logbook

Gamma Spectroscopy

Batch ID: **2414710**
Analyst: Michael Hilton (MJH1)
Method: DOE HASL 300, 4.5.2.3/Ga-01-R
Lab SOP: GL-RAD-A-013 REV# 27
Instrument: No instrument-manual method

Due Dates for Lab: 10-MAY-2023 **Hold: 05-SEP-2022** **Package: 11-MAY-2023** **SDG: 12-M**

Type	Sample Id	Description	Serial Number	Spike Amount	Spike Units
LCS	1205377296	84680-278	1556	1	mL

#	Sample ID	Prep Date	Min RDL (pCi/g)	Dry or Wet	Unadjusted Aliquot (g)	Aliquot (g)	Adjusted Aliquot (g)
1	618474001	17-APR-2023	.1	Dry to Dry	152.97	152.97	152.97
2	618474002	17-APR-2023	.1	Dry to Dry	130.2	130.2	130.2
3	618474003	17-APR-2023	.1	Dry to Dry	136.6	136.6	136.6
4	1205377294 MB	17-APR-2023	.1	Dry to Wet	152.97	152.97	152.97
5	1205377295 DUP (618474001)	17-APR-2023	.1	Dry to Dry	152.97	152.97	152.97
6	1205377296 LCS	17-APR-2023	.1	Dry to Wet	115	115	115

Reagent/Solvent Lot ID	Description	Amount

Comments:

VAX/VMS Nuclide Identification Report Generated 8-MAY-2023 07:00:04.65

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

Configuration : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G618474001.CNF;1
Background file : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM04.CNF;699
Background date : 7-MAY-2023 09:36:43.
Sample date : 24-AUG-2022 15:00:00 Acquisition date : 8-MAY-2023 04:59:40.
Sample ID : G618474001 Sample quantity : 1.52970E+02 GRAM
Detector name : GAM04 Detector geometry: CAN
Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:00.69 0.0%
Energy tolerance : 1.50000 keV Analyst Initials : MJH1
Abundance limit : 75.00000 Sensitivity : 3.00000
Batch ID : 2414710 Detector SN# :
Matrix Spike ID : LCS ID :

BACKGROUND CORRECTED SAMPLE PEAK REPORT

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	62.77*	37	145	1.01	126.11	122	8	5.08E-03	61.9	
2	1	74.31*	52	148	0.98	149.18	145	13	7.25E-03	40.0	1.93E+00
3	1	76.69	129	134	0.99	153.94	145	13	1.79E-02	17.3	
4	0	83.76*	23	138	0.72	168.07	166	6	3.14E-03	88.5	
5	0	88.24	101	209	3.80	177.02	171	11	1.41E-02	29.5	
6	0	92.52*	109	187	1.21	185.57	182	11	1.52E-02	27.7	
7	0	185.64*	76	178	1.21	371.75	366	12	1.06E-02	39.2	
8	0	208.55	41	83	1.70	417.55	415	6	5.63E-03	39.0	
9	0	227.70	28	83	1.43	455.85	453	6	3.88E-03	54.8	
10	2	238.31*	278	99	1.14	477.06	472	16	3.86E-02	8.6	2.66E+00
11	2	241.54	103	98	1.38	483.52	472	16	1.44E-02	19.9	
12	0	277.53	41	88	0.99	555.46	551	10	5.64E-03	45.9	
13	0	295.17*	113	114	1.16	590.74	585	10	1.56E-02	20.6	
14	0	337.86	96	64	1.45	676.10	671	11	1.33E-02	19.0	
15	0	351.73*	257	52	1.22	703.82	699	9	3.57E-02	8.3	
16	0	462.65	26	34	0.96	925.61	921	9	3.62E-03	44.7	
17	0	510.80*	65	59	2.31	1021.90	1013	18	9.04E-03	36.3	
18	0	542.14	14	35	1.39	1084.57	1079	9	1.97E-03	80.5	
19	0	583.24*	69	44	1.29	1166.75	1162	9	9.59E-03	22.3	
20	0	609.30*	120	68	1.50	1218.85	1213	14	1.66E-02	17.8	
21	0	661.74	21	41	0.91	1323.72	1320	10	2.91E-03	60.7	
22	0	718.51	20	49	0.72	1437.25	1429	15	2.75E-03	80.2	
23	0	727.09	29	20	1.60	1454.42	1449	10	4.02E-03	34.3	
24	0	796.70	21	37	5.63	1593.62	1582	19	2.86E-03	75.0	
25	0	802.53	25	7	1.60	1605.28	1602	7	3.47E-03	26.6	
26	0	911.38*	78	24	1.52	1822.98	1816	16	1.08E-02	18.6	
27	0	950.72	9	13	0.63	1901.66	1895	9	1.27E-03	83.2	
28	6	964.81	17	20	2.10	1929.83	1927	17	2.38E-03	44.4	3.55E+00
29	6	969.02*	43	28	2.03	1938.26	1927	17	5.98E-03	29.8	
30	0	1120.32*	74	9	2.55	2240.87	2233	17	1.03E-02	15.3	
31	0	1131.35	11	19	3.36	2262.94	2257	11	1.58E-03	76.4	
32	0	1152.88	13	9	1.44	2306.00	2302	7	1.75E-03	50.5	
33	0	1239.98	19	24	0.95	2480.21	2476	12	2.70E-03	63.2	
34	0	1339.61	9	7	1.21	2679.51	2673	10	1.27E-03	64.4	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
35	0	1345.60	8	2	1.52	2691.50	2688	8	1.08E-03	48.3	
36	0	1378.19	12	5	1.98	2756.69	2753	7	1.61E-03	44.0	
37	0	1401.84	7	10	0.63	2804.00	2793	14	9.15E-04	111.3	
38	0	1461.04*	455	10	1.67	2922.42	2916	13	6.32E-02	5.0	
39	0	1529.58	8	5	1.32	3059.54	3053	10	1.14E-03	61.4	
40	0	1730.09	11	3	0.81	3460.70	3455	10	1.46E-03	41.8	
41	0	1765.14*	17	4	1.97	3530.82	3522	15	2.39E-03	41.5	
42	0	1873.60	11	0	0.66	3747.82	3742	11	1.53E-03	30.2	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 8-MAY-2023 07:00:06

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G618474001.CNF;1		
Analyses by	: PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4		
Sample title	: MJH1		
Sample date	: 24-AUG-2022 15:00:00	Acquisition date	: 8-MAY-2023 04:59:40
Sample ID	: G618474001	Sample quantity	: 152.97 GRAM
Sample type	: SOLID	Sample geometry	:
Detector name	: GAMMA4	Detector geometry	: CAN
Elapsed live time	: 0 02:00:00.00	Elapsed real time	: 0 02:00:00.69 0.0%
Energy tolerance	: 1.50 keV	Half life ratio	: 10.00
Errors propagated	: No	Systematic Error	: 0.00 %
Efficiency type	: Empirical	Efficiencies at	: Peak Energy
Abundance limit	: 75.00		

Interference Report

No interference correction performed

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
K-40	1460.82	439	10.66*	8.621E-01	1.173E+01	1.173E+01	9.97
CD-109	88.03	129	3.70*	3.851E+00	2.227E+00	3.275E+00	58.94
SN-126	64.28	------	9.60	1.529E+00	------ Line Not Found		------
	86.94	129	8.90	3.851E+00	9.260E-01	9.260E-01	58.94
	87.57	129	37.00*	3.851E+00	2.227E-01	2.227E-01	58.94
BA-137M	661.66	22	89.90*	1.764E+00	3.417E-02	3.472E-02	121.50
CS-137	661.66	22	85.10*	1.764E+00	3.609E-02	3.668E-02	121.50
TL-208	277.37	47	6.60	3.331E+00	5.212E-01	5.212E-01	91.80
	583.19	74	85.00*	1.952E+00	1.090E-01	1.090E-01	44.58
	860.56	------	12.50	1.399E+00	------ Line Not Found		------
BI-211	72.87	68	1.23	2.606E+00	5.172E+00	5.172E+00	79.92
	351.06	288	12.92*	2.819E+00	1.943E+00	1.943E+00	16.57
BI-212	727.33	30	6.67*	1.628E+00	6.831E-01	6.831E-01	68.67
	1620.50	------	1.47	8.036E-01	------ Line Not Found		------
PB-212	74.82	68	10.28	2.606E+00	6.189E-01	6.189E-01	79.92
	77.11	166	17.10	2.849E+00	8.358E-01	8.358E-01	34.57
	238.63	324	43.60*	3.709E+00	4.916E-01	4.916E-01	17.21
	300.09	------	3.30	3.152E+00	------ Line Not Found		------
BI-214	609.32	127	45.49*	1.886E+00	3.633E-01	3.634E-01	35.51
	1120.29	74	14.92	1.089E+00	1.118E+00	1.118E+00	30.60
	1764.49	16	15.30	7.704E-01	3.386E-01	3.387E-01	83.01
PB-214	74.82	68	5.80	2.606E+00	1.097E+00	1.097E+00	79.92
	77.11	166	9.70	2.849E+00	1.473E+00	1.474E+00	34.57
	87.09	129	3.41	3.851E+00	2.417E+00	2.417E+00	58.94
	242.00	121	7.25	3.674E+00	1.111E+00	1.111E+00	39.89
	295.22	129	18.42	3.189E+00	5.371E-01	5.373E-01	41.14
	351.93	288	35.60*	2.819E+00	7.051E-01	7.053E-01	16.57
RN-222	609.32	127	45.49*	1.886E+00	3.633E-01	3.634E-01	35.51
	1120.29	74	14.92	1.089E+00	1.118E+00	1.118E+00	30.60
	1764.49	16	15.30	7.704E-01	3.386E-01	3.387E-01	83.01
RA-224	240.99	121	4.10*	3.674E+00	1.964E+00	1.964E+00	39.89
RA-226	74.82	68	5.80	2.606E+00	1.097E+00	1.097E+00	79.92
	77.11	166	9.70	2.849E+00	1.473E+00	1.474E+00	34.57
	87.09	129	3.41	3.851E+00	2.417E+00	2.417E+00	58.94
	242.00	121	7.25	3.674E+00	1.111E+00	1.111E+00	39.89
	295.22	129	18.42	3.189E+00	5.371E-01	5.373E-01	41.14
	351.93	288	35.60*	2.819E+00	7.051E-01	7.053E-01	16.57
AC-228	105.21	------	1.10	4.706E+00	------ Line Not Found		------
	338.32	108	11.27	2.900E+00	8.134E-01	8.134E-01	38.05
	835.71	------	1.61	1.438E+00	------ Line Not Found		------
	911.20	80	25.80*	1.326E+00	5.704E-01	5.704E-01	37.14
	968.97	44	15.80	1.251E+00	5.410E-01	5.410E-01	59.69
RA-228	105.21	------	1.10	4.706E+00	------ Line Not Found		------
	338.32	108	11.27	2.900E+00	8.134E-01	8.134E-01	38.05
	835.71	------	1.61	1.438E+00	------ Line Not Found		------
	911.20	80	25.80*	1.326E+00	5.704E-01	5.704E-01	37.14
	968.97	44	15.80	1.251E+00	5.410E-01	5.410E-01	59.69
TH-228	74.82	68	10.28	2.606E+00	6.189E-01	6.189E-01	79.92
	77.11	166	17.10	2.849E+00	8.358E-01	8.358E-01	34.57

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	238.63	324	43.60*	3.709E+00	4.916E-01	4.916E-01	17.21
	300.09	------	3.30	3.152E+00	------ Line Not Found		------
TH-230	74.82	68	5.80	2.606E+00	1.097E+00	1.097E+00	79.92
	77.11	166	9.70	2.849E+00	1.473E+00	1.473E+00	34.57
	87.09	129	3.41	3.851E+00	2.417E+00	2.417E+00	58.94
	242.00	121	7.25	3.674E+00	1.111E+00	1.111E+00	39.89
	295.22	129	18.42	3.189E+00	5.371E-01	5.371E-01	41.14
	351.93	288	35.60*	2.819E+00	7.051E-01	7.051E-01	16.57
TH-232	105.21	------	1.10	4.706E+00	------ Line Not Found		------
	338.32	108	11.27	2.900E+00	8.134E-01	8.134E-01	38.05
	835.71	------	1.61	1.438E+00	------ Line Not Found		------
	911.20	80	25.80*	1.326E+00	5.704E-01	5.704E-01	37.14
	968.97	44	15.80	1.251E+00	5.410E-01	5.410E-01	59.69
TH-234	63.29	48	3.70*	1.371E+00	2.325E+00	2.325E+00	123.79
	92.59	139	4.23	4.134E+00	1.945E+00	1.945E+00	55.36
U-234	74.82	68	5.80	2.606E+00	1.097E+00	1.097E+00	79.92
	77.11	166	9.70	2.849E+00	1.473E+00	1.473E+00	34.57
	87.09	129	3.41	3.851E+00	2.417E+00	2.417E+00	58.94
	242.00	121	7.25	3.674E+00	1.111E+00	1.111E+00	39.89
	295.22	129	18.42	3.189E+00	5.371E-01	5.371E-01	41.14
	351.93	288	35.60*	2.819E+00	7.051E-01	7.051E-01	16.57
U-238	63.29	48	3.70*	1.371E+00	2.325E+00	2.325E+00	123.79
	92.59	139	4.23	4.134E+00	1.945E+00	1.945E+00	55.36
AM-243	43.53	------	5.90	9.197E-02	------ Line Not Found		------
	74.66	68	67.20*	2.606E+00	9.467E-02	9.468E-02	79.92
ANH-511	511.00	70	100.00*	2.160E+00	8.002E-02	8.002E-02	72.57

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 07:00:07.03

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G618474001.CNF;1		
Acquisition date	: 8-MAY-2023 04:59:40	Sensitivity	: 3.000
Detector ID	: GAM04	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:00.69	Half life ratio	: *****
Sample date	: 24-AUG-2022 15:00:00	Analyst initials	: MJH1
Sample ID	: G618474001	Sample Quantity	: 1.5297E+02 GRAM
Batch Number	: 2414710	Wet Weight	: 0.00000
Wet wt corr	: 1.00000	Dry Weight	: 0.00000
Nuclide Library	: SOLID.NLB;17		

CALIBRATION INFORMATION

Eff. Cal. date	: 2-DEC-2022 08:34:33	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM04_CAN.CNF;17		

Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Cnt uncert (1.96-sigma)	MDA (pCi/GRAM)
K-40	1.173E+01	1.147E+00	4.232E-01
CD-109	3.275E+00	1.892E+00	1.213E+00
SN-126	2.227E-01	1.286E-01	8.322E-02
BA-137M	3.472E-02	4.135E-02	3.643E-02
CS-137	3.668E-02	4.368E-02	3.849E-02
TL-208	1.090E-01	4.763E-02	4.428E-02
BI-211	1.943E+00	3.154E-01	2.246E-01
BI-212	6.831E-01	4.597E-01	5.290E-01
PB-212	4.916E-01	8.294E-02	6.757E-02
BI-214	3.634E-01	1.265E-01	8.491E-02
PB-214	7.053E-01	1.145E-01	8.170E-02
RN-222	3.634E-01	1.265E-01	8.491E-02
RA-224	1.964E+00	7.676E-01	7.241E-01
RA-226	7.053E-01	1.145E-01	8.170E-02
AC-228	5.704E-01	2.076E-01	1.443E-01
RA-228	5.704E-01	2.076E-01	1.443E-01
TH-228	4.916E-01	8.294E-02	6.757E-02
TH-230	7.051E-01	1.145E-01	8.167E-02
TH-232	5.704E-01	2.076E-01	1.443E-01
TH-234	2.325E+00	2.821E+00	2.019E+00
U-234	7.051E-01	1.145E-01	8.167E-02
U-238	2.325E+00	2.821E+00	2.019E+00
AM-243	9.468E-02	7.415E-02	7.043E-02
ANH-511	8.002E-02	5.691E-02	3.065E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	3.123E-02	4.806E+00	9.385E+00	NOT IDENT.
NA-22	1.712E-02	3.240E-02	6.910E-02	NOT IDENT.
NA-24	0.000E+00	1.552E+41	0.000E+00	SHORT HLIF
AL-26	2.295E-02	1.925E-02	5.167E-02	NOT IDENT.
SC-46	7.456E-02	1.573E-01	3.287E-01	FAIL ABUN
V-48	0.000E+00	1.716E+03	0.000E+00	SHORT HLIF

CR-51	-1.481E+01	9.687E+01	1.727E+02	NOT IDENT.
MN-52	0.000E+00	1.548E+12	0.000E+00	SHORT HLIF
MN-54	-2.767E-03	3.616E-02	6.836E-02	NOT IDENT.
CO-56	-1.067E-01	2.465E-01	4.347E-01	NOT IDENT.
MN-56	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CO-57	2.124E-04	2.635E-02	5.093E-02	NOT IDENT.
CO-58	-1.139E-01	2.365E-01	4.200E-01	NOT IDENT.
FE-59	-3.817E-01	2.537E+00	4.938E+00	NOT IDENT.
CO-60	1.567E-02	2.617E-02	5.701E-02	NOT IDENT.
ZN-65	7.451E-03	1.020E-01	1.858E-01	NOT IDENT.
GE-68	1.126E+00	1.363E+00	3.053E+00	NOT IDENT.
AS-73	6.130E-01	8.557E+00	1.764E+01	NOT IDENT.
AS-74	0.000E+00	6.440E+02	0.000E+00	SHORT HLIF
SE-75	7.021E-02	1.070E-01	2.097E-01	NOT IDENT.
BR-77	0.000E+00	4.999E+31	0.000E+00	SHORT HLIF
SR-82	0.000E+00	1.242E+02	0.000E+00	SHORT HLIF
RB-83	-6.557E-02	2.925E-01	5.584E-01	NOT IDENT.
RB-84	1.644E+00	6.839E+00	1.355E+01	NOT IDENT.
KR-85	3.449E+00	4.820E+00	9.219E+00	NOT IDENT.
SR-85	2.304E-01	3.232E-01	6.181E-01	NOT IDENT.
RB-86	0.000E+00	3.715E+03	0.000E+00	SHORT HLIF
Y-88	5.842E-03	7.352E-02	1.730E-01	NOT IDENT.
Y-91	8.764E-01	2.471E+02	4.825E+02	NOT IDENT.
NB-94	1.163E-02	2.105E-02	4.277E-02	NOT IDENT.
NB-95	-3.804E-01	3.953E-01	6.515E-01	NOT IDENT.
NB-95M	-8.754E-01	1.204E+00	1.877E+00	NOT IDENT.
ZR-95	5.529E-01	6.305E-01	1.331E+00	NOT IDENT.
NB-97	0.000E+00	1.559E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	1.535E+41	0.000E+00	SHORT HLIF
MO-99	0.000E+00	1.896E+27	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
RH-101	-2.445E-02	2.083E-02	3.647E-02	NOT IDENT.
RH-102	1.980E-02	3.573E-02	7.429E-02	NOT IDENT.
RU-103	-1.218E+00	1.781E+00	3.222E+00	FAIL ABUN
RH-106	4.168E-02	2.951E-01	5.818E-01	NOT IDENT.
RU-106	4.168E-02	2.951E-01	5.818E-01	NOT IDENT.
AG-108M	-2.159E-03	1.790E-02	3.489E-02	NOT IDENT.
AG-110	-1.881E-01	8.345E-01	1.397E+00	NOT IDENT.
AG-110M	-3.813E-03	5.815E-02	1.032E-01	NOT IDENT.
SN-113	-1.969E-02	1.070E-01	2.093E-01	NOT IDENT.
CD-115	0.000E+00	2.513E+33	0.000E+00	SHORT HLIF
SN-117M	0.000E+00	7.130E+03	0.000E+00	SHORT HLIF
SB-122	0.000E+00	5.473E+26	0.000E+00	SHORT HLIF
TE-123M	-9.643E-03	6.947E-02	1.297E-01	NOT IDENT.
SB-124	2.845E-02	3.768E-01	1.003E+00	NOT IDENT.
SB-125	7.257E-02	6.397E-02	1.395E-01	FAIL ABUN
TE-125M	9.364E+01	1.078E+02	2.208E+02	NOT IDENT.
I-126	0.000E+00	5.971E+04	0.000E+00	SHORT HLIF
SB-126	0.000E+00	7.525E+04	0.000E+00	SHORT HLIF
SB-127	0.000E+00	6.098E+18	0.000E+00	SHORT HLIF
I-131	0.000E+00	7.406E+07	0.000E+00	SHORT HLIF
I-132	0.000E+00	1.815E+41	0.000E+00	SHORT HLIF
TE-132	0.000E+00	3.546E+22	0.000E+00	SHORT HLIF
BA-133	-2.469E-02	2.785E-02	4.698E-02	FAIL ABUN
I-133	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CS-134	5.146E-02	7.566E-02	6.133E-02	FAIL ABUN
I-135	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CS-136	0.000E+00	2.347E+04	0.000E+00	SHORT HLIF
LA-138	5.397E-03	3.804E-02	7.839E-02	NOT IDENT.
CE-139	4.556E-02	6.037E-02	1.199E-01	NOT IDENT.
BA-140	0.000E+00	9.160E+04	0.000E+00	SHORT HLIF
LA-140	0.000E+00	2.562E+04	0.000E+00	SHORT HLIF
CE-141	-1.371E+00	6.238E+00	1.166E+01	NOT IDENT.
CE-143	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CE-144	5.714E-02	2.017E-01	3.946E-01	NOT IDENT.
PM-144	8.713E-03	3.751E-02	7.098E-02	NOT IDENT.
PR-144	7.642E-01	3.189E+00	6.038E+00	NOT IDENT.
PM-146	1.240E-02	2.296E-02	4.882E-02	NOT IDENT.
ND-147	0.000E+00	1.267E+06	0.000E+00	SHORT HLIF
PM-147	-4.353E+02	5.020E+02	9.057E+02	NOT IDENT.
PM-149	0.000E+00	4.331E+34	0.000E+00	SHORT HLIF
EU-150	-3.661E-03	1.859E-02	3.000E-02	FAIL ABUN
EU-152	-5.237E-02	5.831E-02	1.072E-01	FAIL ABUN
GD-153	-3.115E-02	1.061E-01	1.838E-01	NOT IDENT.
EU-154	4.387E-02	8.136E-02	1.737E-01	NOT IDENT.
EU-155	5.088E-03	6.942E-02	1.356E-01	NOT IDENT.
TB-160	3.783E-02	8.360E-01	1.602E+00	FAIL ABUN
HO-166M	4.198E-02	3.668E-02	7.640E-02	FAIL ABUN

TM-171	-1.150E+01	3.104E+01	6.197E+01	NOT IDENT.
HF-172	1.301E-01	1.415E-01	2.890E-01	FAIL ABUN
LU-172	-8.628E-03	5.127E-02	1.001E-01	FAIL ABUN
LU-176	-6.208E-03	1.827E-02	3.183E-02	FAIL ABUN
HF-181	-6.507E-01	1.338E+00	2.492E+00	NOT IDENT.
TA-182	7.838E-02	4.998E-01	1.004E+00	FAIL ABUN
RE-183	-5.805E-01	2.154E+00	4.307E+00	NOT IDENT.
RE-184	1.189E-01	1.033E+01	1.928E+01	NOT IDENT.
W-188	-2.045E+01	5.799E+01	9.249E+01	FAIL ABUN
IR-192	-5.588E-02	2.309E-01	4.057E-01	FAIL ABUN
HG-203	5.725E-01	8.860E-01	1.615E+00	FAIL ABUN
TL-204	1.647E+00	4.374E+00	8.339E+00	FAIL ABUN
BI-207	9.055E-03	3.193E-02	6.662E-02	FAIL ABUN
BI-210	-1.022E+01	7.954E+00	1.443E+01	NOT IDENT.
PB-210	-1.022E+01	7.954E+00	1.443E+01	NOT IDENT.
PB-211	8.543E-02	3.979E-01	8.073E-01	NOT IDENT.
BI-213	2.796E-02	6.812E-02	1.381E-01	NOT IDENT.
RN-219	2.026E-01	2.525E-01	5.314E-01	NOT IDENT.
RA-223	2.333E-01	4.342E-01	8.237E-01	FAIL ABUN
AC-225	0.000E+00	7.012E+06	0.000E+00	SHORT HLIF
AC-227	-6.215E-02	1.502E-01	2.648E-01	NOT IDENT.
TH-227	-6.215E-02	1.502E-01	2.648E-01	NOT IDENT.
TH-229	-7.433E-02	3.251E-01	5.938E-01	FAIL ABUN
PA-231	1.177E-01	3.205E-01	5.993E-01	NOT IDENT.
TH-231	2.333E-01	4.342E-01	8.237E-01	FAIL ABUN
PA-233	9.034E-03	4.475E-02	8.231E-02	NOT IDENT.
PA-234	1.546E-03	2.115E-01	3.565E-01	NOT IDENT.
PA-234M	-2.345E-02	3.156E+00	5.694E+00	NOT IDENT.
U-235	-1.639E-02	1.217E-01	2.225E-01	FAIL ABUN
NP-237	9.034E-03	4.475E-02	8.231E-02	NOT IDENT.
NP-238	0.000E+00	2.776E+35	0.000E+00	SHORT HLIF
NP-239	8.101E-02	1.571E-01	3.142E-01	FAIL ABUN
PU-239	6.638E+01	1.896E+02	3.734E+02	NOT IDENT.
AM-241	1.181E-01	1.507E-01	3.048E-01	NOT IDENT.
CM-243	-4.542E-03	6.171E-02	1.199E-01	FAIL ABUN
BK-247	1.748E-02	4.805E-02	9.156E-02	FAIL ABUN
CM-247	2.048E-02	2.314E-02	4.902E-02	FAIL ABUN
CF-249	5.424E-03	2.568E-02	5.148E-02	NOT IDENT.
CF-251	-6.457E-02	8.293E-02	1.457E-01	FAIL ABUN

VAX/VMS Nuclide Identification Report Generated 8-MAY-2023 07:00:05.54

Nuclide Line Activity Report

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
K-40	1460.82	439	10.66*	8.621E-01	1.173E+01	1.173E+01	9.97
CD-109	88.03	129	3.70*	3.851E+00	2.227E+00	3.275E+00	58.94
SN-126	64.28	------	9.60	1.529E+00	------ Line Not Found		------
	86.94	129	8.90	3.851E+00	9.260E-01	9.260E-01	58.94
	87.57	129	37.00*	3.851E+00	2.227E-01	2.227E-01	58.94
BA-137M	661.66	22	89.90*	1.764E+00	3.417E-02	3.472E-02	121.50
CS-137	661.66	22	85.10*	1.764E+00	3.609E-02	3.668E-02	121.50
TL-208	277.37	47	6.60	3.331E+00	5.212E-01	5.212E-01	91.80
	583.19	74	85.00*	1.952E+00	1.090E-01	1.090E-01	44.58
	860.56	------	12.50	1.399E+00	------ Line Not Found		------
BI-211	72.87	68	1.23	2.606E+00	5.172E+00	5.172E+00	79.92
	351.06	288	12.92*	2.819E+00	1.943E+00	1.943E+00	16.57
BI-212	727.33	30	6.67*	1.628E+00	6.831E-01	6.831E-01	68.67
	1620.50	------	1.47	8.036E-01	------ Line Not Found		------
PB-212	74.82	68	10.28	2.606E+00	6.189E-01	6.189E-01	79.92
	77.11	166	17.10	2.849E+00	8.358E-01	8.358E-01	34.57
	238.63	324	43.60*	3.709E+00	4.916E-01	4.916E-01	17.21
	300.09	------	3.30	3.152E+00	------ Line Not Found		------
BI-214	609.32	127	45.49*	1.886E+00	3.633E-01	3.634E-01	35.51
	1120.29	74	14.92	1.089E+00	1.118E+00	1.118E+00	30.60
	1764.49	16	15.30	7.704E-01	3.386E-01	3.387E-01	83.01
PB-214	74.82	68	5.80	2.606E+00	1.097E+00	1.097E+00	79.92
	77.11	166	9.70	2.849E+00	1.473E+00	1.474E+00	34.57
	87.09	129	3.41	3.851E+00	2.417E+00	2.417E+00	58.94
	242.00	121	7.25	3.674E+00	1.111E+00	1.111E+00	39.89
	295.22	129	18.42	3.189E+00	5.371E-01	5.373E-01	41.14
	351.93	288	35.60*	2.819E+00	7.051E-01	7.053E-01	16.57
RN-222	609.32	127	45.49*	1.886E+00	3.633E-01	3.634E-01	35.51
	1120.29	74	14.92	1.089E+00	1.118E+00	1.118E+00	30.60
	1764.49	16	15.30	7.704E-01	3.386E-01	3.387E-01	83.01
RA-224	240.99	121	4.10*	3.674E+00	1.964E+00	1.964E+00	39.89
RA-226	74.82	68	5.80	2.606E+00	1.097E+00	1.097E+00	79.92
	77.11	166	9.70	2.849E+00	1.473E+00	1.474E+00	34.57
	87.09	129	3.41	3.851E+00	2.417E+00	2.417E+00	58.94
	242.00	121	7.25	3.674E+00	1.111E+00	1.111E+00	39.89
	295.22	129	18.42	3.189E+00	5.371E-01	5.373E-01	41.14
	351.93	288	35.60*	2.819E+00	7.051E-01	7.053E-01	16.57
AC-228	105.21	------	1.10	4.706E+00	------ Line Not Found		------
	338.32	108	11.27	2.900E+00	8.134E-01	8.134E-01	38.05
	835.71	------	1.61	1.438E+00	------ Line Not Found		------
	911.20	80	25.80*	1.326E+00	5.704E-01	5.704E-01	37.14
	968.97	44	15.80	1.251E+00	5.410E-01	5.410E-01	59.69
RA-228	105.21	------	1.10	4.706E+00	------ Line Not Found		------
	338.32	108	11.27	2.900E+00	8.134E-01	8.134E-01	38.05
	835.71	------	1.61	1.438E+00	------ Line Not Found		------
	911.20	80	25.80*	1.326E+00	5.704E-01	5.704E-01	37.14
	968.97	44	15.80	1.251E+00	5.410E-01	5.410E-01	59.69

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
TH-228	74.82	68	10.28	2.606E+00	6.189E-01	6.189E-01	79.92
	77.11	166	17.10	2.849E+00	8.358E-01	8.358E-01	34.57
	238.63	324	43.60*	3.709E+00	4.916E-01	4.916E-01	17.21
	300.09	------	3.30	3.152E+00	------ Line Not Found		------
TH-230	74.82	68	5.80	2.606E+00	1.097E+00	1.097E+00	79.92
	77.11	166	9.70	2.849E+00	1.473E+00	1.473E+00	34.57
	87.09	129	3.41	3.851E+00	2.417E+00	2.417E+00	58.94
	242.00	121	7.25	3.674E+00	1.111E+00	1.111E+00	39.89
	295.22	129	18.42	3.189E+00	5.371E-01	5.371E-01	41.14
	351.93	288	35.60*	2.819E+00	7.051E-01	7.051E-01	16.57
TH-232	105.21	------	1.10	4.706E+00	------ Line Not Found		------
	338.32	108	11.27	2.900E+00	8.134E-01	8.134E-01	38.05
	835.71	------	1.61	1.438E+00	------ Line Not Found		------
	911.20	80	25.80*	1.326E+00	5.704E-01	5.704E-01	37.14
	968.97	44	15.80	1.251E+00	5.410E-01	5.410E-01	59.69
TH-234	63.29	48	3.70*	1.371E+00	2.325E+00	2.325E+00	123.79
	92.59	139	4.23	4.134E+00	1.945E+00	1.945E+00	55.36
U-234	74.82	68	5.80	2.606E+00	1.097E+00	1.097E+00	79.92
	77.11	166	9.70	2.849E+00	1.473E+00	1.473E+00	34.57
	87.09	129	3.41	3.851E+00	2.417E+00	2.417E+00	58.94
	242.00	121	7.25	3.674E+00	1.111E+00	1.111E+00	39.89
	295.22	129	18.42	3.189E+00	5.371E-01	5.371E-01	41.14
	351.93	288	35.60*	2.819E+00	7.051E-01	7.051E-01	16.57
U-238	63.29	48	3.70*	1.371E+00	2.325E+00	2.325E+00	123.79
	92.59	139	4.23	4.134E+00	1.945E+00	1.945E+00	55.36
AM-243	43.53	------	5.90	9.197E-02	------ Line Not Found		------
	74.66	68	67.20*	2.606E+00	9.467E-02	9.468E-02	79.92
ANH-511	511.00	70	100.00*	2.160E+00	8.002E-02	8.002E-02	72.57

Flag: "*" = Keyline

Sample ID : G618474001 Acquisition date : 8-MAY-2023 04:59:40

Total number of lines in spectrum 42
Number of unidentified lines 13
Number of lines tentatively identified by NID 29 69.05%

Nuclide Type :

Nuclide	Hlife	Decay	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
K-40	1.25E+09Y	1.00	1.173E+01	1.173E+01	0.117E+01	9.97	
CD-109	461.40D	1.47	2.227E+00	3.275E+00	1.930E+00	58.94	
SN-126	2.30E+05Y	1.00	2.227E-01	2.227E-01	1.313E-01	58.94	
BA-137M	30.08Y	1.02	3.417E-02	3.472E-02	4.219E-02	121.50	
CS-137	30.08Y	1.02	3.609E-02	3.668E-02	4.457E-02	121.50	
TL-208	1.41E+10Y	1.00	1.090E-01	1.090E-01	0.486E-01	44.58	
BI-211	7.04E+08Y	1.00	1.943E+00	1.943E+00	0.322E+00	16.57	
BI-212	1.41E+10Y	1.00	6.831E-01	6.831E-01	4.691E-01	68.67	
PB-212	1.41E+10Y	1.00	4.916E-01	4.916E-01	0.846E-01	17.21	
BI-214	1600.00Y	1.00	3.633E-01	3.634E-01	1.290E-01	35.51	
PB-214	1600.00Y	1.00	7.051E-01	7.053E-01	1.168E-01	16.57	
RN-222	1600.00Y	1.00	3.633E-01	3.634E-01	1.290E-01	35.51	
RA-224	1.41E+10Y	1.00	1.964E+00	1.964E+00	0.783E+00	39.89	
RA-226	1600.00Y	1.00	7.051E-01	7.053E-01	1.168E-01	16.57	
AC-228	1.41E+10Y	1.00	5.704E-01	5.704E-01	2.119E-01	37.14	
RA-228	1.41E+10Y	1.00	5.704E-01	5.704E-01	2.119E-01	37.14	
TH-228	1.41E+10Y	1.00	4.916E-01	4.916E-01	0.846E-01	17.21	
TH-230	7.54E+04Y	1.00	7.051E-01	7.051E-01	1.168E-01	16.57	
TH-232	1.41E+10Y	1.00	5.704E-01	5.704E-01	2.119E-01	37.14	
TH-234	4.47E+09Y	1.00	2.325E+00	2.325E+00	2.878E+00	123.79	
U-234	2.45E+05Y	1.00	7.051E-01	7.051E-01	1.168E-01	16.57	
U-238	4.47E+09Y	1.00	2.325E+00	2.325E+00	2.878E+00	123.79	
AM-243	7370.00Y	1.00	9.467E-02	9.468E-02	7.567E-02	79.92	
ANH-511	1.00E+09Y	1.00	8.002E-02	8.002E-02	5.807E-02	72.57	
Total Activity :			3.002E+01	3.107E+01			

Grand Total Activity : 3.002E+01 3.107E+01

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
0	83.76	29	177	0.72	168.07	166	6	3.14E-03	****	3.50E+00	T
0	185.64	91	212	1.21	371.75	366	12	1.06E-02	78.4	4.38E+00	T
0	208.55	48	99	1.70	417.55	415	6	5.63E-03	78.1	4.06E+00	
0	227.70	33	97	1.43	455.85	453	6	3.88E-03	****	3.83E+00	T
0	462.65	29	37	0.96	925.61	921	9	3.62E-03	89.3	2.32E+00	T
0	542.14	15	37	1.39	1084.57	1079	9	1.97E-03	****	2.07E+00	
0	718.51	21	51	0.72	1437.25	1429	15	2.75E-03	****	1.64E+00	
0	796.70	21	39	5.63	1593.62	1582	19	2.86E-03	****	1.50E+00	T
0	802.53	26	7	1.60	1605.28	1602	7	3.47E-03	53.2	1.49E+00	T
0	950.72	9	13	0.63	1901.66	1895	9	1.27E-03	****	1.27E+00	
6	964.81	17	20	2.10	1929.83	1927	17	2.38E-03	88.8	1.26E+00	T
0	1131.35	11	19	3.36	2262.94	2257	11	1.58E-03	****	1.08E+00	T
0	1152.88	12	9	1.44	2306.00	2302	7	1.75E-03	****	1.06E+00	
0	1239.98	19	23	0.95	2480.21	2476	12	2.70E-03	****	9.90E-01	
0	1339.61	9	7	1.21	2679.51	2673	10	1.27E-03	****	9.25E-01	
0	1345.60	8	2	1.52	2691.50	2688	8	1.08E-03	96.6	9.21E-01	
0	1378.19	11	5	1.98	2756.69	2753	7	1.61E-03	88.1	9.03E-01	
0	1401.84	6	10	0.63	2804.00	2793	14	9.15E-04	****	8.91E-01	
0	1529.58	8	5	1.32	3059.54	3053	10	1.14E-03	****	8.34E-01	
0	1730.09	10	2	0.81	3460.70	3455	10	1.46E-03	83.6	7.77E-01	
0	1873.60	10	0	0.66	3747.82	3742	11	1.53E-03	60.3	7.56E-01	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 07:00:18.06

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G618474001.CNF;1		
Acquisition date	: 8-MAY-2023 04:59:40	Sensitivity	: 3.000
Detector ID	: GAM04	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:00.69	Half life ratio	: *****
Sample date	: 24-AUG-2022 15:00:00	Nuclide Library	: SOLID
Sample ID	: G618474001	Analyst initials	: MJH1
Batch Number	: 2414710	Sample Quantity	: 1.5297E+02 GRAM
Wet wt corr	: 1.00000	Wet Weight	: 0.00000
		Dry Weight	: 0.00000

CALIBRATION INFORMATION

Eff. Cal. date	: 2-DEC-2022 08:34:33	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM04_CAN.CNF;17		

Combined Critical Level Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)
K-40	1.753E-01
CD-109	5.697E-01
SN-126	3.907E-02
BA-137M	1.603E-02
CS-137	1.694E-02
TL-208	2.008E-02
BI-211	1.028E-01
BI-212	2.332E-01
PB-212	3.163E-02
BI-214	3.848E-02
PB-214	3.740E-02
RN-222	3.848E-02
RA-224	3.390E-01
RA-226	3.740E-02
AC-228	6.225E-02
RA-228	6.225E-02
TH-228	3.163E-02
TH-230	3.739E-02
TH-232	6.225E-02
TH-234	9.411E-01
U-234	3.739E-02
U-238	9.411E-01
AM-243	3.320E-02
ANH-511	1.374E-02

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	4.283E+00	NOT IDENT.
NA-22	3.037E-02	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF
AL-26	2.147E-02	NOT IDENT.
SC-46	1.435E-01	FAIL ABUN
V-48	0.000E+00	SHORT HLIF
CR-51	7.924E+01	NOT IDENT.

MN-52	0.000E+00	SHORT HLIF
MN-54	3.002E-02	NOT IDENT.
CO-56	1.935E-01	NOT IDENT.
MN-56	0.000E+00	SHORT HLIF
CO-57	2.387E-02	NOT IDENT.
CO-58	1.816E-01	NOT IDENT.
FE-59	2.177E+00	NOT IDENT.
CO-60	2.455E-02	NOT IDENT.
ZN-65	8.028E-02	NOT IDENT.
GE-68	1.348E+00	NOT IDENT.
AS-73	8.226E+00	NOT IDENT.
AS-74	0.000E+00	SHORT HLIF
SE-75	9.727E-02	NOT IDENT.
BR-77	0.000E+00	SHORT HLIF
SR-82	0.000E+00	SHORT HLIF
RB-83	2.510E-01	NOT IDENT.
RB-84	5.964E+00	NOT IDENT.
KR-85	4.225E+00	NOT IDENT.
SR-85	2.833E-01	NOT IDENT.
RB-86	0.000E+00	SHORT HLIF
Y-88	6.311E-02	NOT IDENT.
Y-91	2.147E+02	NOT IDENT.
NB-94	1.936E-02	NOT IDENT.
NB-95	2.906E-01	NOT IDENT.
NB-95M	8.781E-01	NOT IDENT.
ZR-95	6.016E-01	NOT IDENT.
NB-97	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	SHORT HLIF
MO-99	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	SHORT HLIF
RH-101	1.703E-02	NOT IDENT.
RH-102	3.336E-02	NOT IDENT.
RU-103	1.452E+00	FAIL ABUN
RH-106	2.610E-01	NOT IDENT.
RU-106	2.610E-01	NOT IDENT.
AG-108M	1.588E-02	NOT IDENT.
AG-110	6.116E-01	NOT IDENT.
AG-110M	4.463E-02	NOT IDENT.
SN-113	9.510E-02	NOT IDENT.
CD-115	0.000E+00	SHORT HLIF
SN-117M	0.000E+00	SHORT HLIF
SB-122	0.000E+00	SHORT HLIF
TE-123M	6.094E-02	NOT IDENT.
SB-124	3.303E-01	NOT IDENT.
SB-125	6.413E-02	FAIL ABUN
TE-125M	1.044E+02	NOT IDENT.
I-126	0.000E+00	SHORT HLIF
SB-126	0.000E+00	SHORT HLIF
SB-127	0.000E+00	SHORT HLIF
I-131	0.000E+00	SHORT HLIF
I-132	0.000E+00	SHORT HLIF
TE-132	0.000E+00	SHORT HLIF
BA-133	2.140E-02	FAIL ABUN
I-133	0.000E+00	SHORT HLIF
CS-134	2.733E-02	FAIL ABUN
I-135	0.000E+00	SHORT HLIF
CS-136	0.000E+00	SHORT HLIF
LA-138	3.336E-02	NOT IDENT.
CE-139	5.650E-02	NOT IDENT.
BA-140	0.000E+00	SHORT HLIF
LA-140	0.000E+00	SHORT HLIF
CE-141	5.477E+00	NOT IDENT.
CE-143	0.000E+00	SHORT HLIF
CE-144	1.854E-01	NOT IDENT.
PM-144	3.219E-02	NOT IDENT.
PR-144	2.739E+00	NOT IDENT.
PM-146	2.196E-02	NOT IDENT.
ND-147	0.000E+00	SHORT HLIF
PM-147	4.228E+02	NOT IDENT.
PM-149	0.000E+00	SHORT HLIF
EU-150	1.375E-02	FAIL ABUN
EU-152	4.887E-02	FAIL ABUN
GD-153	8.604E-02	NOT IDENT.
EU-154	7.638E-02	NOT IDENT.
EU-155	6.386E-02	NOT IDENT.
TB-160	7.049E-01	FAIL ABUN
HO-166M	3.441E-02	FAIL ABUN
TM-171	2.888E+01	NOT IDENT.

HF-172	1.364E-01	FAIL ABUN
LU-172	4.384E-02	FAIL ABUN
LU-176	1.472E-02	FAIL ABUN
HF-181	1.120E+00	NOT IDENT.
TA-182	4.436E-01	FAIL ABUN
RE-183	2.006E+00	NOT IDENT.
RE-184	8.631E+00	NOT IDENT.
W-188	4.282E+01	FAIL ABUN
IR-192	1.875E-01	FAIL ABUN
HG-203	7.491E-01	FAIL ABUN
TL-204	3.939E+00	FAIL ABUN
BI-207	2.931E-02	FAIL ABUN
BI-210	6.726E+00	NOT IDENT.
PB-210	6.726E+00	NOT IDENT.
PB-211	3.679E-01	NOT IDENT.
BI-213	6.356E-02	NOT IDENT.
RN-219	2.454E-01	NOT IDENT.
RA-223	3.828E-01	FAIL ABUN
AC-225	0.000E+00	SHORT HLIF
AC-227	1.220E-01	NOT IDENT.
TH-227	1.220E-01	NOT IDENT.
TH-229	2.783E-01	FAIL ABUN
PA-231	2.791E-01	NOT IDENT.
TH-231	3.828E-01	FAIL ABUN
PA-233	3.822E-02	NOT IDENT.
PA-234	1.563E-01	NOT IDENT.
PA-234M	2.516E+00	NOT IDENT.
U-235	1.047E-01	FAIL ABUN
NP-237	3.822E-02	NOT IDENT.
NP-238	0.000E+00	SHORT HLIF
NP-239	1.481E-01	FAIL ABUN
PU-239	1.755E+02	NOT IDENT.
AM-241	1.428E-01	NOT IDENT.
CM-243	5.622E-02	FAIL ABUN
BK-247	4.241E-02	FAIL ABUN
CM-247	2.264E-02	FAIL ABUN
CF-249	2.375E-02	NOT IDENT.
CF-251	6.835E-02	FAIL ABUN

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 07:00:22.21

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G618474001.CNF;1		
Acquisition date	: 8-MAY-2023 04:59:40	Sensitivity	: 3.000
Detector ID	: GAM04	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:00.69	Half life ratio	: *****
Sample date	: 24-AUG-2022 15:00:00	Nuclide Library	: SOLID
Sample ID	: G618474001	Analyst initials	: MJH1
Batch Number	: 2414710	Sample Quantity	: 1.5297E+02 GRAM
		Quantity Err(%)	: 1.3074E-03 %
Wet wt corr	: 1.00000	Wet Weight	: 0.00000
		Dry Weight	: 0.00000

CALIBRATION INFORMATION

Eff. Cal. date	: 2-DEC-2022 08:34:33	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM04_CAN.CNF;17		

Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Act Error (1.96-sigma)	TPU (1.96-sigma)
K-40	1.173E+01	1.694E+00	1.694E+00
CD-109	3.275E+00	1.946E+00	1.946E+00
SN-126	2.227E-01	1.318E-01	1.318E-01
BA-137M	3.472E-02	4.145E-02	4.145E-02
CS-137	3.668E-02	4.379E-02	4.379E-02
TL-208	1.090E-01	4.855E-02	4.855E-02
BI-211	1.943E+00	3.666E-01	3.666E-01
BI-212	6.831E-01	4.639E-01	4.639E-01
PB-212	4.916E-01	9.809E-02	9.809E-02
BI-214	3.634E-01	1.303E-01	1.303E-01
PB-214	7.053E-01	1.326E-01	1.326E-01
RN-222	3.634E-01	1.303E-01	1.303E-01
RA-224	1.964E+00	7.959E-01	7.959E-01
RA-226	7.053E-01	1.326E-01	1.326E-01
AC-228	5.704E-01	2.146E-01	2.146E-01
RA-228	5.704E-01	2.146E-01	2.146E-01
TH-228	4.916E-01	9.809E-02	9.809E-02
TH-230	7.051E-01	1.326E-01	1.326E-01
TH-232	5.704E-01	2.146E-01	2.146E-01
TH-234	2.325E+00	2.886E+00	2.886E+00
U-234	7.051E-01	1.326E-01	1.326E-01
U-238	2.325E+00	2.886E+00	2.886E+00
AM-243	9.468E-02	7.518E-02	7.518E-02
ANH-511	8.002E-02	5.733E-02	5.733E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	3.123E-02	4.806E+00	4.806E+00	NOT IDENT.
NA-22	1.712E-02	3.244E-02	3.334E-02	NOT IDENT.
NA-24	1.000E+41	1.600E+41	0.000E+00	SHORT HLIF
AL-26	2.295E-02	1.934E-02	2.193E-02	NOT IDENT.
SC-46	7.456E-02	1.574E-01	1.610E-01	FAIL ABUN
V-48	5.853E+02	1.717E+03	1.737E+03	SHORT HLIF

CR-51	-1.481E+01	9.688E+01	9.711E+01	NOT IDENT.
MN-52	1.650E+11	1.548E+12	1.550E+12	SHORT HLIF
MN-54	-2.767E-03	3.616E-02	3.619E-02	NOT IDENT.
CO-56	-1.067E-01	2.467E-01	2.514E-01	NOT IDENT.
MN-56	-1.000E+41	2.328E+41	0.000E+00	SHORT HLIF
CO-57	2.124E-04	2.635E-02	2.635E-02	NOT IDENT.
CO-58	-1.139E-01	2.367E-01	2.422E-01	NOT IDENT.
FE-59	-3.817E-01	2.538E+00	2.543E+00	NOT IDENT.
CO-60	1.567E-02	2.622E-02	2.715E-02	NOT IDENT.
ZN-65	7.451E-03	1.020E-01	1.021E-01	NOT IDENT.
GE-68	1.126E+00	1.366E+00	1.457E+00	NOT IDENT.
AS-73	6.130E-01	8.559E+00	8.563E+00	NOT IDENT.
AS-74	-8.092E+01	6.440E+02	6.451E+02	SHORT HLIF
SE-75	7.021E-02	1.072E-01	1.118E-01	NOT IDENT.
BR-77	2.963E+32	2.195E+33	0.000E+00	SHORT HLIF
SR-82	-4.582E+01	1.243E+02	1.260E+02	SHORT HLIF
RB-83	-6.557E-02	2.926E-01	2.941E-01	NOT IDENT.
RB-84	1.644E+00	6.841E+00	6.881E+00	NOT IDENT.
KR-85	3.449E+00	4.829E+00	5.073E+00	NOT IDENT.
SR-85	2.304E-01	3.238E-01	3.401E-01	NOT IDENT.
RB-86	3.271E+03	3.727E+03	4.008E+03	SHORT HLIF
Y-88	5.842E-03	7.352E-02	7.357E-02	NOT IDENT.
Y-91	8.764E-01	2.471E+02	2.471E+02	NOT IDENT.
NB-94	1.163E-02	2.107E-02	2.171E-02	NOT IDENT.
NB-95	-3.804E-01	3.967E-01	4.321E-01	NOT IDENT.
NB-95M	-8.754E-01	1.209E+00	1.272E+00	NOT IDENT.
ZR-95	5.529E-01	6.324E-01	6.797E-01	NOT IDENT.
NB-97	-1.000E+41	1.561E+41	0.000E+00	SHORT HLIF
ZR-97	1.000E+41	1.537E+41	0.000E+00	SHORT HLIF
MO-99	2.154E+27	1.909E+27	0.000E+00	SHORT HLIF
TC-99M	-1.000E+41	3.803E+41	0.000E+00	SHORT HLIF
RH-101	-2.445E-02	2.137E-02	2.405E-02	NOT IDENT.
RH-102	1.980E-02	3.580E-02	3.690E-02	NOT IDENT.
RU-103	-1.218E+00	1.784E+00	1.867E+00	FAIL ABUN
RH-106	4.168E-02	2.951E-01	2.957E-01	NOT IDENT.
RU-106	4.168E-02	2.951E-01	2.957E-01	NOT IDENT.
AG-108M	-2.159E-03	1.791E-02	1.793E-02	NOT IDENT.
AG-110	-1.881E-01	8.346E-01	8.389E-01	NOT IDENT.
AG-110M	-3.813E-03	5.815E-02	5.818E-02	NOT IDENT.
SN-113	-1.969E-02	1.070E-01	1.073E-01	NOT IDENT.
CD-115	3.101E+32	2.514E+33	0.000E+00	SHORT HLIF
SN-117M	2.967E+02	7.130E+03	7.131E+03	SHORT HLIF
SB-122	6.145E+25	5.474E+26	0.000E+00	SHORT HLIF
TE-123M	-9.643E-03	6.947E-02	6.961E-02	NOT IDENT.
SB-124	2.845E-02	3.768E-01	3.770E-01	NOT IDENT.
SB-125	7.257E-02	6.427E-02	7.212E-02	FAIL ABUN
TE-125M	9.364E+01	1.083E+02	1.162E+02	NOT IDENT.
I-126	2.482E+03	5.972E+04	5.973E+04	SHORT HLIF
SB-126	3.743E+04	7.557E+04	7.743E+04	SHORT HLIF
SB-127	9.217E+17	6.195E+18	0.000E+00	SHORT HLIF
I-131	-3.091E+07	7.412E+07	7.542E+07	SHORT HLIF
I-132	-1.000E+41	1.592E+42	0.000E+00	SHORT HLIF
TE-132	3.300E+22	3.742E+22	0.000E+00	SHORT HLIF
BA-133	-2.469E-02	2.795E-02	3.008E-02	FAIL ABUN
I-133	-1.000E+41	5.258E+42	0.000E+00	SHORT HLIF
CS-134	5.146E-02	7.580E-02	7.927E-02	FAIL ABUN
I-135	-1.000E+41	1.101E+42	0.000E+00	SHORT HLIF
CS-136	8.770E+03	2.350E+04	2.383E+04	SHORT HLIF
LA-138	5.397E-03	3.804E-02	3.812E-02	NOT IDENT.
CE-139	4.556E-02	6.118E-02	6.454E-02	NOT IDENT.
BA-140	1.404E+04	9.161E+04	9.182E+04	SHORT HLIF
LA-140	-1.208E+04	2.565E+04	2.622E+04	SHORT HLIF
CE-141	-1.371E+00	6.239E+00	6.269E+00	NOT IDENT.
CE-143	1.000E+41	2.415E+41	0.000E+00	SHORT HLIF
CE-144	5.714E-02	2.018E-01	2.034E-01	NOT IDENT.
PM-144	8.713E-03	3.752E-02	3.773E-02	NOT IDENT.
PR-144	7.642E-01	3.189E+00	3.208E+00	NOT IDENT.
PM-146	1.240E-02	2.299E-02	2.366E-02	NOT IDENT.
ND-147	-1.210E+05	1.267E+06	1.269E+06	SHORT HLIF
PM-147	-4.353E+02	5.035E+02	5.404E+02	NOT IDENT.
PM-149	-5.965E+34	4.530E+34	0.000E+00	SHORT HLIF
EU-150	-3.661E-03	1.859E-02	1.867E-02	FAIL ABUN
EU-152	-5.237E-02	5.856E-02	6.314E-02	FAIL ABUN
GD-153	-3.115E-02	1.061E-01	1.070E-01	NOT IDENT.
EU-154	4.387E-02	8.148E-02	8.384E-02	NOT IDENT.
EU-155	5.088E-03	6.942E-02	6.946E-02	NOT IDENT.
TB-160	3.783E-02	8.361E-01	8.362E-01	FAIL ABUN
HO-166M	4.198E-02	3.688E-02	4.145E-02	FAIL ABUN

TM-171	-1.150E+01	3.113E+01	3.156E+01	NOT IDENT.
HF-172	1.301E-01	1.434E-01	1.550E-01	FAIL ABUN
LU-172	-8.628E-03	5.129E-02	5.143E-02	FAIL ABUN
LU-176	-6.208E-03	1.828E-02	1.849E-02	FAIL ABUN
HF-181	-6.507E-01	1.339E+00	1.371E+00	NOT IDENT.
TA-182	7.838E-02	4.999E-01	5.011E-01	FAIL ABUN
RE-183	-5.805E-01	2.157E+00	2.173E+00	NOT IDENT.
RE-184	1.189E-01	1.033E+01	1.033E+01	NOT IDENT.
W-188	-2.045E+01	5.807E+01	5.880E+01	FAIL ABUN
IR-192	-5.588E-02	2.310E-01	2.324E-01	FAIL ABUN
HG-203	5.725E-01	8.881E-01	9.249E-01	FAIL ABUN
TL-204	1.647E+00	4.381E+00	4.443E+00	FAIL ABUN
BI-207	9.055E-03	3.194E-02	3.220E-02	FAIL ABUN
BI-210	-1.022E+01	8.067E+00	9.290E+00	NOT IDENT.
PB-210	-1.022E+01	8.067E+00	9.290E+00	NOT IDENT.
PB-211	8.543E-02	3.980E-01	3.998E-01	NOT IDENT.
BI-213	2.796E-02	6.816E-02	6.932E-02	NOT IDENT.
RN-219	2.026E-01	2.542E-01	2.701E-01	NOT IDENT.
RA-223	2.333E-01	4.350E-01	4.475E-01	FAIL ABUN
AC-225	-1.019E+06	7.022E+06	7.037E+06	SHORT HLIF
AC-227	-6.215E-02	1.505E-01	1.531E-01	NOT IDENT.
TH-227	-6.215E-02	1.505E-01	1.531E-01	NOT IDENT.
TH-229	-7.433E-02	3.252E-01	3.269E-01	FAIL ABUN
PA-231	1.177E-01	3.217E-01	3.260E-01	NOT IDENT.
TH-231	2.333E-01	4.350E-01	4.475E-01	FAIL ABUN
PA-233	9.034E-03	4.476E-02	4.495E-02	NOT IDENT.
PA-234	1.546E-03	2.115E-01	2.115E-01	NOT IDENT.
PA-234M	-2.345E-02	3.156E+00	3.156E+00	NOT IDENT.
U-235	-1.639E-02	1.217E-01	1.220E-01	FAIL ABUN
NP-237	9.034E-03	4.476E-02	4.495E-02	NOT IDENT.
NP-238	7.054E+34	2.776E+35	0.000E+00	SHORT HLIF
NP-239	8.101E-02	1.574E-01	1.616E-01	FAIL ABUN
PU-239	6.638E+01	1.897E+02	1.920E+02	NOT IDENT.
AM-241	1.181E-01	1.520E-01	1.610E-01	NOT IDENT.
CM-243	-4.542E-03	6.171E-02	6.175E-02	FAIL ABUN
BK-247	1.748E-02	4.821E-02	4.885E-02	FAIL ABUN
CM-247	2.048E-02	2.344E-02	2.520E-02	FAIL ABUN
CF-249	5.424E-03	2.569E-02	2.580E-02	NOT IDENT.
CF-251	-6.457E-02	8.342E-02	8.836E-02	FAIL ABUN

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

GAMMA SPECTROSCOPY BACKGROUND REPORT

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
43.53	68.9742	85.43	73.3112	131.20	78.6866
45.60	62.8297	86.55	78.9965	133.02	82.9075
46.54	84.5785	86.79	79.0359	133.52	73.9752
49.72	0.0000	86.94	79.0614	136.00	71.2492
51.35	60.5941	87.09	79.0864	136.47	72.3054
51.87	68.2739	87.57	79.1658	140.51	0.0000
52.39	70.9115	88.03	79.2419	143.76	77.1649
52.97	56.6567	88.34	79.2931	144.24	89.4126
53.44	62.6622	88.47	79.3141	145.44	85.4984
54.07	72.1082	89.96	57.3563	152.43	75.0551
57.36	0.0000	1093.63	57.4358	153.25	0.0000
57.53	69.3909	91.11	0.0000	323.87	89.6749
57.98	67.7616	92.59	64.4837	156.02	0.0000
59.27	59.6804	93.35	64.5821	158.56	0.0000
59.32	59.6886	94.56	64.7382	159.00	84.0491
59.54	56.2784	94.65	64.7498	162.33	67.7543
60.96	71.4819	94.67	64.7524	162.66	0.0000
61.17	71.5219	94.87	64.7778	163.33	75.1520
62.93	63.4521	97.43	70.1116	165.86	71.2186
63.29	63.5117	98.43	70.5614	176.31	87.0612
63.58	63.5595	98.44	70.5626	176.60	0.0000
64.28	79.0845	99.53	71.6536	177.52	96.7653
66.73	69.3390	100.11	88.7224	181.07	0.0000
67.24	78.2159	102.03	75.7837	181.52	86.9243
125.81	90.6185	103.18	77.8453	184.41	70.7907
67.75	90.6342	103.37	77.8735	143.76	70.9045
68.89	88.2431	105.21	84.8098	193.51	80.2532
69.67	87.5284	105.31	84.8254	197.03	80.5886
70.82	86.2939	106.12	82.0882	198.01	63.2375
70.83	86.2969	106.47	79.2753	201.83	72.2812
72.81	99.7714	109.28	76.7999	203.43	77.9000
72.87	89.9855	111.00	85.7027	205.31	71.8372
74.66	90.3646	111.76	0.0000	210.85	75.2404
74.82	90.3977	114.06	77.4512	215.65	70.0810
74.97	90.4293	116.30	0.0000	218.12	0.0000
77.11	90.8763	116.74	76.8380	222.11	59.3735
78.74	109.5742	119.76	64.5241	227.09	64.5709
79.69	68.7805	121.12	87.2081	227.38	67.5952
80.03	76.0776	121.22	87.2230	228.16	0.0000
80.12	84.5484	121.78	79.4569	228.18	76.6722
80.19	0.0000	122.06	74.5869	116.74	76.6722
80.57	83.4234	122.92	79.6071	235.69	90.9131
81.00	84.7129	123.07	86.5082	235.96	90.9387
81.07	89.5680	265.00	85.6114	238.63	71.8113
81.75	95.7629	125.81	71.0980	238.98	0.0000
82.47	95.9140	127.23	96.0046	240.99	71.9834
83.79	81.5772	127.91	79.2664	242.00	72.0574
84.00	81.6140	129.30	73.4840	244.70	53.5211

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.40	0.0000	344.28	51.7398	563.25	27.8058
252.80	63.5879	345.93	37.6007	564.24	0.0000
254.15	0.0000	351.06	39.4268	569.33	22.1240
256.23	54.5202	351.93	39.4535	946.00	22.1259
260.90	0.0000	355.39	0.0000	569.70	17.3174
264.66	42.0985	356.01	44.4598	583.19	31.9714
264.80	40.9344	364.49	0.0000	584.27	26.1727
265.00	45.6222	366.42	0.0000	595.83	0.0000
269.46	49.3380	372.51	35.8015	427.87	21.5032
270.03	48.1883	375.05	40.9912	602.52	0.0000
271.23	51.7720	377.52	46.1975	604.72	20.5685
273.65	0.0000	356.01	48.1273	607.14	33.8318
276.40	44.9267	388.16	43.9641	609.32	31.4141
277.37	44.9661	388.63	0.0000	610.33	31.4297
277.60	44.9754	391.69	36.2963	614.28	29.5227
278.00	44.9916	264.66	42.6108	618.01	29.5764
279.20	41.0905	401.81	34.8120	620.36	27.6366
279.54	50.5885	402.40	33.9552	621.93	23.7070
279.70	50.5951	404.85	32.2681	630.19	0.0000
280.46	60.1234	410.95	34.1536	631.29	18.8531
283.69	41.6544	413.71	41.2359	633.25	29.7961
284.31	0.0000	414.70	0.0000	634.78	0.0000
285.41	70.3254	423.72	0.0000	635.95	15.9121
285.90	0.0000	427.09	32.7521	636.99	0.0000
287.50	46.5732	427.87	25.6842	657.50	19.5912
290.67	60.6754	433.94	36.4556	657.76	22.6080
293.27	0.0000	439.40	34.7994	657.90	0.0000
351.93	55.3073	440.45	37.5020	661.66	18.1194
295.96	68.9774	453.88	19.8117	664.57	0.0000
879.38	46.6259	463.37	36.6866	666.33	0.0000
299.98	73.6438	468.07	32.7048	666.50	0.0000
300.09	73.6512	473.00	0.0000	667.71	0.0000
300.13	73.6550	475.06	28.2823	677.62	18.2520
301.36	53.1832	476.78	33.7910	685.70	0.0000
302.85	59.3030	477.60	36.5487	692.65	0.0000
256.23	56.9628	482.18	33.9009	695.00	0.0000
304.85	0.0000	487.02	0.0000	696.49	23.5213
306.78	58.2876	492.35	0.0000	696.51	23.5213
308.46	40.1291	497.08	38.8213	697.00	0.0000
311.90	52.4417	505.52	27.8656	697.30	24.5527
316.51	55.0909	507.63	0.0000	697.49	24.5547
319.41	0.0000	511.00	25.1576	702.65	22.5604
320.08	44.2024	514.00	28.0005	706.68	18.4907
321.04	40.5511	514.00	28.0005	711.68	12.3545
323.87	46.8030	520.40	29.9753	720.70	0.0000
325.23	50.5531	520.69	0.0000	721.93	0.0000
328.76	0.0000	522.65	0.0000	722.78	21.7246
333.37	39.7148	527.90	0.0000	722.91	21.7255
333.97	44.7001	528.26	25.4026	723.31	12.4170
334.37	41.4022	529.59	21.6552	724.19	20.7031
338.28	34.8855	529.87	0.0000	727.33	18.6577
338.32	34.8864	531.02	0.0000	733.00	25.9766
311.90	58.2436	537.26	0.0000	735.93	23.9284
340.48	58.2436	546.56	0.0000	333.97	30.1895
340.55	0.0000	552.55	25.7421	739.50	0.0000

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
744.23	0.0000	949.00	12.4153	1384.29	4.8087
747.24	17.7706	667.71	0.0000	1408.01	4.8373
748.06	17.7768	962.31	23.8104	1434.09	0.0000
752.31	17.8086	964.08	15.3160	1435.80	9.7412
753.82	0.0000	966.17	20.4360	1457.56	0.0000
756.73	17.8411	911.20	20.4551	1460.82	7.8403
756.80	17.8418	983.53	0.0000	1489.16	9.8663
884.68	26.3163	984.45	0.0000	1505.03	9.9036
765.81	37.9233	1274.44	16.0559	1584.12	8.0679
766.42	26.3428	1001.03	11.4868	1596.21	0.0000
766.84	23.1852	1002.74	20.6880	1620.50	3.0500
772.60	0.0000	1004.73	25.3014	1621.92	3.0509
776.52	0.0000	507.63	0.0000	1678.03	0.0000
739.50	0.0000	1025.87	0.0000	1690.97	1.0322
778.90	20.1226	1028.54	0.0000	1750.46	0.0000
783.70	0.0000	1037.84	12.7877	1764.49	3.1445
788.74	15.9497	1038.76	0.0000	1063.66	0.0000
792.07	22.3595	631.29	22.1497	1771.35	0.0000
795.86	17.5950	1048.07	0.0000	1791.20	0.0000
810.06	21.4478	1049.04	17.5000	1808.65	1.0576
810.29	21.4494	1050.41	20.1334	1810.72	0.0000
344.28	21.4510	1063.66	14.9435	1836.06	2.1267
810.76	19.3081	1077.00	0.0000		
815.77	0.0000	1077.34	10.5938		
1048.07	0.0000	1085.87	15.0472		
832.01	11.8974	1093.63	18.6326		
834.85	18.4070	1099.45	20.4437		
835.71	14.0802	1112.07	16.9532		
836.80	0.0000	1112.84	20.3990		
846.75	0.0000	1115.54	12.8619		
846.77	28.2799	1120.29	15.2060		
856.80	0.0000	1120.55	15.2070		
860.56	21.8669	1221.41	15.2112		
871.09	18.6602	1129.67	14.3516		
873.19	19.7732	1131.51	0.0000		
875.33	0.0000	1147.95	0.0000		
879.38	17.6159	1173.23	13.6285		
880.51	9.9133	1177.95	20.9252		
881.60	15.4270	1189.05	24.6434		
883.24	17.6413	1204.77	22.0034		
884.68	12.1346	1221.41	17.5005		
889.28	11.0502	1231.02	24.9368		
894.76	17.7155	1235.36	0.0000		
898.04	21.0619	1238.28	23.6906		
900.72	19.9724	1260.41	0.0000		
903.28	24.4340	1271.87	18.6792		
911.20	13.3652	1274.44	12.1502		
912.08	13.3696	1274.54	12.1502		
923.98	0.0000	1291.59	10.3279		
926.50	8.9587	1298.22	0.0000		
929.11	23.5378	1312.11	0.0000		
935.54	0.0000	1332.49	7.5928		
937.49	21.3588	1362.66	0.0000		
944.13	0.0000	1365.19	7.6567		
946.00	16.9122	1368.63	0.0000		

VAX/VMS Nuclide Identification Report Generated 8-MAY-2023 07:00:50.06

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

Configuration : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G618474002.CNF;1
Background file : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM29.CNF;696
Background date : 7-MAY-2023 09:38:14.
Sample date : 12-APR-2023 13:30:00 Acquisition date : 8-MAY-2023 05:00:06.
Sample ID : G618474002 Sample quantity : 1.30200E+02 GRAM
Detector name : GAM29 Detector geometry: CAN
Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:00.67 0.0%
Energy tolerance : 1.50000 keV Analyst Initials : MJH1
Abundance limit : 75.00000 Sensitivity : 3.00000
Batch ID : 2414710 Detector SN# :
Matrix Spike ID : LCS ID :

BACKGROUND CORRECTED SAMPLE PEAK REPORT

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	46.71*	18	159	1.13	92.98	90	7	2.53E-03	125.2	
2	0	63.11*	9	227	0.84	125.79	123	7	1.23E-03	305.1	
3	1	74.82*	119	255	1.13	149.21	145	14	1.66E-02	24.1	2.43E+00
4	1	77.32	203	220	1.14	154.21	145	14	2.82E-02	14.5	
5	0	83.70*	24	185	0.49	166.96	164	7	3.35E-03	99.1	
6	0	87.22	76	212	1.58	174.00	171	7	1.06E-02	33.6	
7	0	93.03*	65	266	1.27	185.63	182	10	8.97E-03	52.8	
8	0	129.05	49	145	1.62	257.67	253	8	6.78E-03	45.3	
9	0	143.96*	12	122	1.14	287.49	285	6	1.61E-03	168.1	
10	0	185.81*	147	247	1.39	371.22	365	14	2.04E-02	25.3	
11	0	200.39*	19	221	3.56	400.38	391	13	2.58E-03	170.0	
12	0	205.38	33	119	1.48	410.36	406	8	4.55E-03	60.4	
13	0	209.09	54	112	2.37	417.78	414	8	7.50E-03	36.6	
14	0	229.06	135	242	7.24	457.73	448	21	1.87E-02	30.1	
15	2	238.86*	318	81	1.18	477.32	470	23	4.42E-02	7.7	2.38E+00
16	2	242.06	99	95	1.52	483.74	470	23	1.37E-02	22.3	
17	0	295.32*	166	167	1.32	590.26	584	14	2.30E-02	18.8	
18	0	300.65	45	101	1.59	600.93	597	10	6.23E-03	44.7	
19	0	327.79	14	92	0.95	655.22	653	8	1.99E-03	118.1	
20	0	338.87*	102	61	1.39	677.37	673	10	1.42E-02	18.5	
21	0	352.20*	264	95	1.34	704.05	699	10	3.67E-02	9.6	
22	0	490.05	11	26	1.61	979.80	976	6	1.47E-03	78.1	
23	0	492.68	17	28	1.83	985.06	982	7	2.35E-03	56.3	
24	0	511.40*	32	147	1.84	1022.51	1013	19	4.49E-03	102.9	
25	0	516.51	15	21	1.03	1032.74	1031	5	2.09E-03	52.5	
26	0	543.33	29	18	1.02	1086.39	1083	8	3.99E-03	31.7	
27	0	584.06*	96	79	1.16	1167.87	1161	14	1.33E-02	23.4	
28	0	609.56*	256	53	1.56	1218.88	1212	15	3.55E-02	9.2	
29	0	662.47	36	32	0.83	1324.73	1320	10	4.98E-03	34.8	
30	0	727.66	44	38	1.96	1455.16	1449	13	6.08E-03	33.0	
31	0	871.75	6	22	1.22	1743.42	1736	10	8.31E-04	153.4	
32	0	911.37*	74	28	2.15	1822.70	1816	12	1.03E-02	19.6	
33	3	964.86	23	21	2.33	1929.71	1922	27	3.22E-03	46.1	1.33E+00
34	3	969.50*	69	9	2.33	1939.00	1922	27	9.52E-03	18.7	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
35	0	998.76	26	78	12.96	1997.55	1969	31	3.54E-03	104.0	
36	0	1050.14	15	33	6.74	2100.34	2088	18	2.04E-03	98.5	
37	0	1065.05*	39	24	5.24	2130.17	2121	18	5.44E-03	38.4	
38	0	1120.88*	47	37	1.49	2241.88	2234	15	6.55E-03	33.0	
39	0	1140.71	8	18	1.24	2281.55	2276	8	1.14E-03	95.9	
40	0	1239.62*	7	39	1.17	2479.47	2473	10	9.14E-04	185.4	
41	0	1303.17	6	17	0.66	2606.63	2601	11	8.27E-04	138.8	
42	0	1461.21*	568	27	1.97	2922.88	2917	17	7.89E-02	4.7	
43	0	1588.36	10	9	1.06	3177.30	3173	9	1.39E-03	62.6	
44	0	1765.38*	27	9	1.43	3531.56	3525	13	3.78E-03	34.0	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 8-MAY-2023 07:00:51

Configuration : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G618474002.CNF;1
Analyses by : PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4,INTERF V2.4
Sample title : MJH1
Sample date : 12-APR-2023 13:30:00 Acquisition date : 8-MAY-2023 05:00:06
Sample ID : G618474002 Sample quantity : 130.20 GRAM
Sample type : SOLID Sample geometry :
Detector name : GAMMA29 Detector geometry: CAN
Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:00.67 0.0%
Energy tolerance : 1.50 keV Half life ratio : 10.00
Errors propagated: No Systematic Error : 0.00 %
Efficiency type : Empirical Efficiencies at : Peak Energy
Abundance limit : 75.00

Interference Report

Interfering		Interfered	
Nuclide	Line	Nuclide	Line
U-235	143.76	CE-141	145.44

Nuclide Type:

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error	Status
K-40	1460.82	10.66*	1.284E+00	1.139E+01	1.139E+01	9.40	OK
CD-109	88.03	3.70*	6.328E+00	1.078E+00	1.120E+00	67.15	OK
SN-126	64.28	9.60	3.523E+00	8.804E-02	8.804E-02	610.19	OK
	86.94	8.90	6.328E+00	4.482E-01	4.482E-01	67.15	OK
	87.57	37.00*	6.328E+00	1.078E-01	1.078E-01	67.15	OK
TE-132	49.72	15.00	1.421E+00	----- Line Not Found		-----	Absent
	111.76	1.74	7.217E+00	----- Line Not Found		-----	Absent
	116.30	1.96	7.247E+00	----- Line Not Found		-----	Absent
	228.16	88.00*	5.494E+00	8.685E-02	2.266E+01	60.22	OK
BA-137M	661.66	89.90*	2.542E+00	4.559E-02	4.567E-02	69.53	OK
CS-137	661.66	85.10*	2.542E+00	4.816E-02	4.824E-02	69.53	OK
TL-208	277.37	6.60	4.835E+00	----- Line Not Found		-----	Absent
	583.19	85.00*	2.814E+00	1.173E-01	1.173E-01	46.77	OK
	860.56	12.50	2.031E+00	----- Line Not Found		-----	Absent
BI-210	46.54	4.25*	1.024E+00	1.440E+00	1.443E+00	250.34	OK
PB-210	46.54	4.25*	1.024E+00	1.440E+00	1.443E+00	250.34	OK
BI-211	72.87	1.23	4.921E+00	----- Line Not Found		-----	Absent
	351.06	12.92*	4.095E+00	1.515E+00	1.515E+00	19.28	OK
BI-212	727.33	6.67*	2.350E+00	8.058E-01	8.058E-01	66.02	OK
	1620.50	1.47	1.195E+00	----- Line Not Found		-----	Absent
PB-212	74.82	10.28	5.160E+00	7.507E-01	7.507E-01	48.20	OK
	77.11	17.10	5.444E+00	7.275E-01	7.275E-01	28.90	OK
	238.63	43.60*	5.345E+00	4.245E-01	4.245E-01	15.49	OK
	300.09	3.30	4.574E+00	9.105E-01	9.105E-01	89.38	OK
BI-214	609.32	45.49*	2.720E+00	6.043E-01	6.043E-01	18.32	OK
	1120.29	14.92	1.604E+00	5.517E-01	5.517E-01	65.95	OK
	1764.49	15.30	1.137E+00	4.233E-01	4.233E-01	67.99	OK
PB-214	74.82	5.80	5.160E+00	1.331E+00	1.331E+00	48.20	OK
	77.11	9.70	5.444E+00	1.283E+00	1.283E+00	28.90	OK
	87.09	3.41	6.328E+00	1.170E+00	1.170E+00	67.15	OK
	242.00	7.25	5.299E+00	7.977E-01	7.977E-01	44.54	OK
	295.22	18.42	4.631E+00	5.959E-01	5.959E-01	37.59	OK
	351.93	35.60*	4.095E+00	5.497E-01	5.498E-01	19.28	OK
RN-222	609.32	45.49*	2.720E+00	6.043E-01	6.043E-01	18.32	OK
	1120.29	14.92	1.604E+00	5.517E-01	5.517E-01	65.95	OK
	1764.49	15.30	1.137E+00	4.233E-01	4.233E-01	67.99	OK
RA-224	240.99	4.10*	5.299E+00	1.410E+00	1.410E+00	44.54	OK
RA-226	74.82	5.80	5.160E+00	1.331E+00	1.331E+00	48.20	OK
	77.11	9.70	5.444E+00	1.283E+00	1.283E+00	28.90	OK
	87.09	3.41	6.328E+00	1.170E+00	1.170E+00	67.15	OK
	242.00	7.25	5.299E+00	7.977E-01	7.977E-01	44.54	OK
	295.22	18.42	4.631E+00	5.959E-01	5.959E-01	37.59	OK
	351.93	35.60*	4.095E+00	5.497E-01	5.498E-01	19.28	OK
AC-228	105.21	1.10	7.116E+00	----- Line Not Found		-----	Absent
	338.32	11.27	4.208E+00	6.540E-01	6.540E-01	37.05	OK
	835.71	1.61	2.085E+00	----- Line Not Found		-----	Absent
	911.20	25.80*	1.930E+00	4.249E-01	4.249E-01	39.25	OK
	968.97	15.80	1.826E+00	6.715E-01	6.715E-01	37.32	OK
RA-228	105.21	1.10	7.116E+00	----- Line Not Found		-----	Absent

Nuclide Type:

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error	Status
	338.32	11.27	4.208E+00	6.540E-01	6.540E-01	37.05	OK
	835.71	1.61	2.085E+00	----- Line Not Found		-----	Absent
	911.20	25.80*	1.930E+00	4.249E-01	4.249E-01	39.25	OK
	968.97	15.80	1.826E+00	6.715E-01	6.715E-01	37.32	OK
TH-228	74.82	10.28	5.160E+00	7.507E-01	7.507E-01	48.20	OK
	77.11	17.10	5.444E+00	7.275E-01	7.275E-01	28.90	OK
	238.63	43.60*	5.345E+00	4.245E-01	4.245E-01	15.49	OK
	300.09	3.30	4.574E+00	9.105E-01	9.105E-01	89.38	OK
TH-230	74.82	5.80	5.160E+00	1.331E+00	1.331E+00	48.20	OK
	77.11	9.70	5.444E+00	1.283E+00	1.283E+00	28.90	OK
	87.09	3.41	6.328E+00	1.170E+00	1.170E+00	67.15	OK
	242.00	7.25	5.299E+00	7.977E-01	7.977E-01	44.54	OK
	295.22	18.42	4.631E+00	5.959E-01	5.959E-01	37.59	OK
	351.93	35.60*	4.095E+00	5.497E-01	5.497E-01	19.28	OK
PA-231	283.69	1.70	4.761E+00	----- Line Not Found		-----	Absent
	301.36	5.35*	4.574E+00	5.616E-01	5.616E-01	89.38	OK
TH-232	105.21	1.10	7.116E+00	----- Line Not Found		-----	Absent
	338.32	11.27	4.208E+00	6.540E-01	6.540E-01	37.05	OK
	835.71	1.61	2.085E+00	----- Line Not Found		-----	Absent
	911.20	25.80*	1.930E+00	4.249E-01	4.249E-01	39.25	OK
	968.97	15.80	1.826E+00	6.715E-01	6.715E-01	37.32	OK
TH-234	63.29	3.70*	3.523E+00	2.284E-01	2.284E-01	610.19	OK
	92.59	4.23	6.683E+00	7.530E-01	7.530E-01	105.70	OK
U-234	74.82	5.80	5.160E+00	1.331E+00	1.331E+00	48.20	OK
	77.11	9.70	5.444E+00	1.283E+00	1.283E+00	28.90	OK
	87.09	3.41	6.328E+00	1.170E+00	1.170E+00	67.15	OK
	242.00	7.25	5.299E+00	7.977E-01	7.977E-01	44.54	OK
	295.22	18.42	4.631E+00	5.959E-01	5.959E-01	37.59	OK
	351.93	35.60*	4.095E+00	5.497E-01	5.497E-01	19.28	OK
U-235	89.96	3.47	6.509E+00	----- Line Not Found		-----	Absent
	93.35	5.60	6.683E+00	5.688E-01	5.688E-01	105.70	OK
	143.76	10.96*	7.018E+00	4.846E-02	4.846E-02	336.23	OK
	163.33	5.08	6.674E+00	----- Line Not Found		-----	Absent
	185.72	57.20	6.243E+00	1.297E-01	1.297E-01	50.57	OK
	205.31	5.01	5.886E+00	3.489E-01	3.489E-01	120.81	OK
U-238	63.29	3.70*	3.523E+00	2.284E-01	2.284E-01	610.19	OK
	92.59	4.23	6.683E+00	7.530E-01	7.530E-01	105.70	OK
AM-243	43.53	5.90	6.696E-01	----- Line Not Found		-----	Absent
	74.66	67.20*	5.160E+00	1.148E-01	1.148E-01	48.20	OK
ANH-511	511.00	100.00*	3.119E+00	3.067E-02	3.067E-02	205.82	OK

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 07:00:52.65

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*****************************************************************************
*                            GEL Laboratories LLC                           *
*                              2040 Savage Road                             *
*                            Charleston, SC 29407                           *
*****************************************************************************
*                                                                           *
*                          DETECTOR AND SAMPLE DATA                         *
*                                                                           *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G618474002.CNF;1   *
* Acquisition date :  8-MAY-2023 05:00:06 Sensitivity     : 3.000           *
* Detector ID      : GAM29                Energy tolerance: 1.500           *
* Elapsed live time:    0 02:00:00.00     Abundance limit : 75.000          *
* Elapsed real time:    0 02:00:00.67     Half life ratio : *****           *
* Sample date      : 12-APR-2023 13:30:00 Analyst initials: MJH1            *
* Sample ID        : G618474002           Sample Quantity : 1.3020E+02 GRAM *
* Batch Number     : 2414710              Wet Weight      :    0.00000      *
* Wet wt corr      :    1.00000           Dry Weight      :    0.00000      *
* Nuclide Library  : SOLID.NLB;17                                           *
*****************************************************************************
*                                                                           *
*                          CALIBRATION INFORMATION                          *
*                                                                           *
* Eff. Cal. date   : 25-JUN-2022 07:11:25 Eff. Geometry   : CAN             *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM29_CAN.CNF;16            *
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Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Cnt uncert (1.96-sigma)	MDA (pCi/GRAM)
K-40	1.139E+01	1.049E+00	3.951E-01
CD-109	1.120E+00	7.374E-01	8.453E-01
SN-126	1.078E-01	7.095E-02	7.501E-02
TE-132	2.266E+01	1.337E+01	6.710E+00
BA-137M	4.567E-02	3.112E-02	3.523E-02
CS-137	4.824E-02	3.287E-02	3.722E-02
TL-208	1.173E-01	5.375E-02	3.373E-02
BI-210	1.443E+00	3.541E+00	3.399E+00
PB-210	1.443E+00	3.541E+00	3.399E+00
BI-211	1.515E+00	2.862E-01	2.197E-01
BI-212	8.058E-01	5.214E-01	4.727E-01
PB-212	4.245E-01	6.446E-02	5.479E-02
BI-214	6.043E-01	1.085E-01	7.620E-02
PB-214	5.498E-01	1.039E-01	7.990E-02
RN-222	6.043E-01	1.085E-01	7.620E-02
RA-224	1.410E+00	6.157E-01	5.869E-01
RA-226	5.498E-01	1.039E-01	7.990E-02
AC-228	4.249E-01	1.634E-01	1.394E-01
RA-228	4.249E-01	1.634E-01	1.394E-01
TH-228	4.245E-01	6.446E-02	5.479E-02
TH-230	5.497E-01	1.039E-01	7.989E-02
PA-231	5.616E-01	4.920E-01	5.117E-01
TH-232	4.249E-01	1.634E-01	1.394E-01
TH-234	2.284E-01	1.366E+00	1.297E+00
U-234	5.497E-01	1.039E-01	7.989E-02
U-235	4.846E-02	1.597E-01	1.969E-01
U-238	2.284E-01	1.366E+00	1.297E+00
AM-243	1.148E-01	5.425E-02	4.900E-02
ANH-511	3.067E-02	6.186E-02	3.266E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	1.601E-01	2.188E-01	4.359E-01	NOT IDENT.

NA-22	1.505E-02	2.384E-02	5.003E-02	NOT IDENT.
NA-24	0.000E+00	4.023E+10	0.000E+00	SHORT HLIF
AL-26	-9.871E-03	1.708E-02	2.954E-02	NOT IDENT.
SC-46	1.704E-02	2.407E-02	4.865E-02	FAIL ABUN
V-48	-5.290E-03	6.755E-02	1.157E-01	NOT IDENT.
CR-51	1.715E-01	2.681E-01	5.341E-01	NOT IDENT.
MN-52	1.294E-02	4.183E-01	8.552E-01	NOT IDENT.
MN-54	2.926E-03	2.206E-02	4.098E-02	NOT IDENT.
CO-56	1.195E-02	2.500E-02	4.878E-02	FAIL ABUN
MN-56	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CO-57	7.536E-03	1.351E-02	2.537E-02	NOT IDENT.
CO-58	-1.646E-02	2.220E-02	3.650E-02	NOT IDENT.
FE-59	4.476E-02	5.191E-02	1.137E-01	NOT IDENT.
CO-60	-1.990E-02	2.413E-02	4.077E-02	NOT IDENT.
ZN-65	-9.730E-04	4.891E-02	8.437E-02	NOT IDENT.
GE-68	8.293E-02	7.080E-01	1.401E+00	NOT IDENT.
AS-73	1.979E-01	5.070E-01	9.734E-01	NOT IDENT.
AS-74	2.431E-02	7.369E-02	1.432E-01	NOT IDENT.
SE-75	7.952E-03	2.383E-02	4.704E-02	NOT IDENT.
BR-77	0.000E+00	2.181E+02	0.000E+00	SHORT HLIF
SR-82	1.269E-01	2.323E-01	4.641E-01	NOT IDENT.
RB-83	4.160E-02	4.379E-02	8.707E-02	NOT IDENT.
RB-84	2.461E-02	5.173E-02	1.005E-01	NOT IDENT.
KR-85	3.313E+00	4.861E+00	8.657E+00	NOT IDENT.
SR-85	1.947E-02	2.877E-02	5.122E-02	NOT IDENT.
RB-86	6.740E-02	6.547E-01	1.290E+00	NOT IDENT.
Y-88	-1.156E-02	2.246E-02	3.948E-02	NOT IDENT.
Y-91	-4.265E+00	1.308E+01	2.409E+01	NOT IDENT.
NB-94	-3.813E-03	1.989E-02	3.569E-02	FAIL ABUN
NB-95	-1.696E-02	3.051E-02	5.181E-02	NOT IDENT.
NB-95M	1.378E-02	9.404E-02	1.336E-01	NOT IDENT.
ZR-95	6.336E-03	4.465E-02	8.403E-02	NOT IDENT.
NB-97	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	3.478E+10	0.000E+00	SHORT HLIF
MO-99	-9.849E+01	9.967E+01	1.593E+02	NOT IDENT.
TC-99M	0.000E+00	1.058E+29	0.000E+00	SHORT HLIF
RH-101	1.142E-02	1.729E-02	3.046E-02	NOT IDENT.
RH-102	1.935E-03	3.405E-02	6.317E-02	NOT IDENT.
RU-103	-1.029E-02	2.922E-02	5.010E-02	FAIL ABUN
RH-106	-4.643E-02	1.749E-01	3.160E-01	FAIL ABUN
RU-106	-4.643E-02	1.749E-01	3.160E-01	FAIL ABUN
AG-108M	-1.026E-02	1.423E-02	2.503E-02	NOT IDENT.
AG-110	-2.762E-02	4.963E-01	8.106E-01	NOT IDENT.
AG-110M	-1.064E-02	2.711E-02	4.711E-02	NOT IDENT.
SN-113	3.508E-03	2.780E-02	5.291E-02	NOT IDENT.
CD-115	0.000E+00	1.760E+02	0.000E+00	SHORT HLIF
SN-117M	1.094E-02	5.815E-02	1.012E-01	NOT IDENT.
SB-122	-7.813E+00	1.697E+01	3.002E+01	NOT IDENT.
TE-123M	4.542E-03	1.857E-02	3.244E-02	NOT IDENT.
SB-124	-3.011E-02	4.876E-02	8.395E-02	NOT IDENT.
SB-125	-2.732E-02	5.022E-02	8.998E-02	NOT IDENT.
TE-125M	-2.649E+00	6.428E+00	1.098E+01	NOT IDENT.
I-126	4.107E-02	2.419E-01	4.101E-01	NOT IDENT.
SB-126	-4.051E-02	1.407E-01	2.509E-01	NOT IDENT.
SB-127	-1.677E+00	4.759E+00	8.451E+00	NOT IDENT.
I-131	-6.375E-02	1.595E-01	2.926E-01	NOT IDENT.
I-132	0.000E+00	1.687E+41	0.000E+00	SHORT HLIF
BA-133	1.101E-02	2.353E-02	4.255E-02	NOT IDENT.
I-133	0.000E+00	1.513E+07	0.000E+00	SHORT HLIF
CS-134	2.325E-02	2.528E-02	5.097E-02	NOT IDENT.
I-135	0.000E+00	1.408E+27	0.000E+00	SHORT HLIF
CS-136	-2.881E-02	1.025E-01	1.930E-01	NOT IDENT.
LA-138	3.144E-02	2.582E-02	6.428E-02	NOT IDENT.
CE-139	-1.379E-02	1.793E-02	2.985E-02	NOT IDENT.
BA-140	-7.146E-02	2.523E-01	4.594E-01	NOT IDENT.
LA-140	-4.585E-02	8.449E-02	1.491E-01	FAIL ABUN
CE-141	1.902E-02	6.267E-02	7.542E-02	FAIL ABUN
CE-143	0.000E+00	1.472E+04	0.000E+00	SHORT HLIF
CE-144	-5.667E-02	1.073E-01	1.848E-01	NOT IDENT.
PM-144	-1.442E-03	2.198E-02	3.987E-02	NOT IDENT.
PR-144	-1.123E-01	1.653E+00	2.999E+00	NOT IDENT.
PM-146	-9.444E-03	2.498E-02	4.520E-02	NOT IDENT.
ND-147	-2.267E-01	6.258E-01	1.126E+00	NOT IDENT.
PM-147	1.237E+02	3.896E+02	7.195E+02	NOT IDENT.
PM-149	0.000E+00	1.353E+03	0.000E+00	SHORT HLIF
EU-150	-5.044E-03	1.489E-02	2.627E-02	FAIL ABUN
EU-152	3.087E-02	5.169E-02	9.968E-02	FAIL ABUN
GD-153	1.700E-02	4.988E-02	8.606E-02	NOT IDENT.

EU-154	4.983E-02	6.663E-02	1.419E-01	FAIL ABUN
EU-155	-2.687E-03	5.781E-02	1.044E-01	FAIL ABUN
TB-160	1.157E-02	8.976E-02	1.666E-01	FAIL ABUN
HO-166M	-1.284E-02	3.220E-02	5.666E-02	FAIL ABUN
TM-171	-4.116E+00	9.801E+00	1.790E+01	NOT IDENT.
HF-172	9.836E-03	1.046E-01	1.756E-01	FAIL ABUN
LU-172	1.518E-02	3.395E-02	7.018E-02	FAIL ABUN
LU-176	2.728E-03	1.453E-02	2.810E-02	FAIL ABUN
HF-181	2.608E-02	2.841E-02	5.822E-02	NOT IDENT.
TA-182	-3.141E-02	1.255E-01	2.308E-01	FAIL ABUN
RE-183	3.977E-02	1.145E-01	2.185E-01	NOT IDENT.
RE-184	-4.342E-02	9.124E-02	1.551E-01	NOT IDENT.
W-188	-6.698E-01	4.290E+00	7.318E+00	FAIL ABUN
IR-192	1.275E-02	2.076E-02	4.142E-02	FAIL ABUN
HG-203	-6.568E-03	2.331E-02	4.378E-02	NOT IDENT.
TL-204	-1.094E+00	2.929E+00	4.777E+00	FAIL ABUN
BI-207	0.000E+00	6.618E-02	8.489E-02	FAIL ABUN
PB-211	5.235E-01	4.373E-01	8.929E-01	NOT IDENT.
BI-213	1.172E-02	6.202E-02	1.182E-01	NOT IDENT.
RN-219	-2.571E-01	2.385E-01	4.070E-01	NOT IDENT.
RA-223	-9.967E-02	3.599E-01	6.393E-01	FAIL ABUN
AC-225	-6.785E-01	6.904E-01	1.101E+00	NOT IDENT.
AC-227	1.034E-02	1.443E-01	2.773E-01	FAIL ABUN
TH-227	1.034E-02	1.443E-01	2.773E-01	FAIL ABUN
TH-229	-8.647E-02	3.268E-01	5.137E-01	FAIL ABUN
TH-231	-9.967E-02	3.599E-01	6.393E-01	FAIL ABUN
PA-233	-1.813E-02	3.012E-02	5.502E-02	FAIL ABUN
PA-234	2.284E-02	1.775E-01	3.298E-01	NOT IDENT.
PA-234M	-1.752E+00	3.263E+00	5.261E+00	NOT IDENT.
NP-237	-1.813E-02	3.012E-02	5.502E-02	FAIL ABUN
NP-238	0.000E+00	4.141E+02	0.000E+00	SHORT HLIF
NP-239	2.346E-03	1.329E-01	2.413E-01	FAIL ABUN
PU-239	3.472E+02	3.083E+02	3.539E+02	FAIL ABUN
AM-241	-3.411E-02	8.529E-02	1.426E-01	NOT IDENT.
CM-243	2.886E-03	5.558E-02	1.014E-01	FAIL ABUN
BK-247	3.064E-03	4.081E-02	7.902E-02	FAIL ABUN
CM-247	-3.972E-03	2.246E-02	4.155E-02	NOT IDENT.
CF-249	-2.684E-04	2.195E-02	4.151E-02	NOT IDENT.
CF-251	-4.653E-02	7.472E-02	1.253E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 8-MAY-2023 07:00:51.02

Nuclide Line Activity Report

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
K-40	1460.82	541	10.66*	1.284E+00	1.139E+01	1.139E+01	9.40
CD-109	88.03	88	3.70*	6.328E+00	1.078E+00	1.120E+00	67.15
SN-126	64.28	10	9.60	3.523E+00	8.804E-02	8.804E-02	610.19
	86.94	88	8.90	6.328E+00	4.482E-01	4.482E-01	67.15
	87.57	88	37.00*	6.328E+00	1.078E-01	1.078E-01	67.15
TE-132	49.72	------	15.00	1.421E+00	------ Line Not Found		------
	111.76	------	1.74	7.217E+00	------ Line Not Found		------
	116.30	------	1.96	7.247E+00	------ Line Not Found		------
	228.16	146	88.00*	5.494E+00	8.685E-02	2.266E+01	60.22
BA-137M	661.66	36	89.90*	2.542E+00	4.559E-02	4.567E-02	69.53
CS-137	661.66	36	85.10*	2.542E+00	4.816E-02	4.824E-02	69.53
CE-141	145.44	13	48.29*	7.018E+00	1.100E-02	1.902E-02	336.23
TL-208	277.37	------	6.60	4.835E+00	------ Line Not Found		------
	583.19	97	85.00*	2.814E+00	1.173E-01	1.173E-01	46.77
	860.56	------	12.50	2.031E+00	------ Line Not Found		------
BI-210	46.54	22	4.25*	1.024E+00	1.440E+00	1.443E+00	250.34
PB-210	46.54	22	4.25*	1.024E+00	1.440E+00	1.443E+00	250.34
BI-211	72.87	------	1.23	4.921E+00	------ Line Not Found		------
	351.06	278	12.92*	4.095E+00	1.515E+00	1.515E+00	19.28
BI-212	727.33	44	6.67*	2.350E+00	8.058E-01	8.058E-01	66.02
	1620.50	------	1.47	1.195E+00	------ Line Not Found		------
PB-212	74.82	138	10.28	5.160E+00	7.507E-01	7.507E-01	48.20
	77.11	235	17.10	5.444E+00	7.275E-01	7.275E-01	28.90
	238.63	343	43.60*	5.345E+00	4.245E-01	4.245E-01	15.49
	300.09	48	3.30	4.574E+00	9.105E-01	9.105E-01	89.38
BI-214	609.32	259	45.49*	2.720E+00	6.043E-01	6.043E-01	18.32
	1120.29	46	14.92	1.604E+00	5.517E-01	5.517E-01	65.95
	1764.49	26	15.30	1.137E+00	4.233E-01	4.233E-01	67.99
PB-214	74.82	138	5.80	5.160E+00	1.331E+00	1.331E+00	48.20
	77.11	235	9.70	5.444E+00	1.283E+00	1.283E+00	28.90
	87.09	88	3.41	6.328E+00	1.170E+00	1.170E+00	67.15
	242.00	106	7.25	5.299E+00	7.977E-01	7.977E-01	44.54
	295.22	176	18.42	4.631E+00	5.959E-01	5.959E-01	37.59
	351.93	278	35.60*	4.095E+00	5.497E-01	5.498E-01	19.28
RN-222	609.32	259	45.49*	2.720E+00	6.043E-01	6.043E-01	18.32
	1120.29	46	14.92	1.604E+00	5.517E-01	5.517E-01	65.95
	1764.49	26	15.30	1.137E+00	4.233E-01	4.233E-01	67.99
RA-224	240.99	106	4.10*	5.299E+00	1.410E+00	1.410E+00	44.54
RA-226	74.82	138	5.80	5.160E+00	1.331E+00	1.331E+00	48.20
	77.11	235	9.70	5.444E+00	1.283E+00	1.283E+00	28.90
	87.09	88	3.41	6.328E+00	1.170E+00	1.170E+00	67.15
	242.00	106	7.25	5.299E+00	7.977E-01	7.977E-01	44.54
	295.22	176	18.42	4.631E+00	5.959E-01	5.959E-01	37.59
	351.93	278	35.60*	4.095E+00	5.497E-01	5.498E-01	19.28
AC-228	105.21	------	1.10	7.116E+00	------ Line Not Found		------
	338.32	108	11.27	4.208E+00	6.540E-01	6.540E-01	37.05
	835.71	------	1.61	2.085E+00	------ Line Not Found		------

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	911.20	73	25.80*	1.930E+00	4.249E-01	4.249E-01	39.25
	968.97	67	15.80	1.826E+00	6.715E-01	6.715E-01	37.32
RA-228	105.21	------	1.10	7.116E+00	------ Line Not Found		------
	338.32	108	11.27	4.208E+00	6.540E-01	6.540E-01	37.05
	835.71	------	1.61	2.085E+00	------ Line Not Found		------
	911.20	73	25.80*	1.930E+00	4.249E-01	4.249E-01	39.25
	968.97	67	15.80	1.826E+00	6.715E-01	6.715E-01	37.32
TH-228	74.82	138	10.28	5.160E+00	7.507E-01	7.507E-01	48.20
	77.11	235	17.10	5.444E+00	7.275E-01	7.275E-01	28.90
	238.63	343	43.60*	5.345E+00	4.245E-01	4.245E-01	15.49
	300.09	48	3.30	4.574E+00	9.105E-01	9.105E-01	89.38
TH-230	74.82	138	5.80	5.160E+00	1.331E+00	1.331E+00	48.20
	77.11	235	9.70	5.444E+00	1.283E+00	1.283E+00	28.90
	87.09	88	3.41	6.328E+00	1.170E+00	1.170E+00	67.15
	242.00	106	7.25	5.299E+00	7.977E-01	7.977E-01	44.54
	295.22	176	18.42	4.631E+00	5.959E-01	5.959E-01	37.59
	351.93	278	35.60*	4.095E+00	5.497E-01	5.497E-01	19.28
PA-231	283.69	------	1.70	4.761E+00	------ Line Not Found		------
	301.36	48	5.35*	4.574E+00	5.616E-01	5.616E-01	89.38
TH-232	105.21	------	1.10	7.116E+00	------ Line Not Found		------
	338.32	108	11.27	4.208E+00	6.540E-01	6.540E-01	37.05
	835.71	------	1.61	2.085E+00	------ Line Not Found		------
	911.20	73	25.80*	1.930E+00	4.249E-01	4.249E-01	39.25
	968.97	67	15.80	1.826E+00	6.715E-01	6.715E-01	37.32
TH-234	63.29	10	3.70*	3.523E+00	2.284E-01	2.284E-01	610.19
	92.59	74	4.23	6.683E+00	7.530E-01	7.530E-01	105.70
U-234	74.82	138	5.80	5.160E+00	1.331E+00	1.331E+00	48.20
	77.11	235	9.70	5.444E+00	1.283E+00	1.283E+00	28.90
	87.09	88	3.41	6.328E+00	1.170E+00	1.170E+00	67.15
	242.00	106	7.25	5.299E+00	7.977E-01	7.977E-01	44.54
	295.22	176	18.42	4.631E+00	5.959E-01	5.959E-01	37.59
	351.93	278	35.60*	4.095E+00	5.497E-01	5.497E-01	19.28
U-235	89.96	------	3.47	6.509E+00	------ Line Not Found		------
	93.35	74	5.60	6.683E+00	5.688E-01	5.688E-01	105.70
	143.76	13	10.96*	7.018E+00	4.846E-02	4.846E-02	336.23
	163.33	------	5.08	6.674E+00	------ Line Not Found		------
	185.72	161	57.20	6.243E+00	1.297E-01	1.297E-01	50.57
	205.31	36	5.01	5.886E+00	3.489E-01	3.489E-01	120.81
U-238	63.29	10	3.70*	3.523E+00	2.284E-01	2.284E-01	610.19
	92.59	74	4.23	6.683E+00	7.530E-01	7.530E-01	105.70
AM-243	43.53	------	5.90	6.696E-01	------ Line Not Found		------
	74.66	138	67.20*	5.160E+00	1.148E-01	1.148E-01	48.20
ANH-511	511.00	33	100.00*	3.119E+00	3.067E-02	3.067E-02	205.82

Flag: "*" = Keyline

Sample ID : G618474002 Acquisition date : 8-MAY-2023 05:00:06

Total number of lines in spectrum 44
Number of unidentified lines 8
Number of lines tentatively identified by NID 36 81.82%

Nuclide Type :

Nuclide	Hlife	Decay	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
K-40	1.25E+09Y	1.00	1.139E+01	1.139E+01	0.107E+01	9.40	
CD-109	461.40D	1.04	1.078E+00	1.120E+00	0.752E+00	67.15	
SN-126	2.30E+05Y	1.00	1.078E-01	1.078E-01	0.724E-01	67.15	
TE-132	3.20D	261.	8.685E-02	2.266E+01	1.364E+01	60.22	
BA-137M	30.08Y	1.00	4.559E-02	4.567E-02	3.175E-02	69.53	
CS-137	30.08Y	1.00	4.816E-02	4.824E-02	3.354E-02	69.53	
CE-141	32.51D	1.73	1.100E-02	1.902E-02	6.395E-02	336.23	
TL-208	1.41E+10Y	1.00	1.173E-01	1.173E-01	0.548E-01	46.77	
BI-210	22.20Y	1.00	1.440E+00	1.443E+00	3.613E+00	250.34	
PB-210	22.20Y	1.00	1.440E+00	1.443E+00	3.613E+00	250.34	
BI-211	7.04E+08Y	1.00	1.515E+00	1.515E+00	0.292E+00	19.28	
BI-212	1.41E+10Y	1.00	8.058E-01	8.058E-01	5.320E-01	66.02	
PB-212	1.41E+10Y	1.00	4.245E-01	4.245E-01	0.658E-01	15.49	
BI-214	1600.00Y	1.00	6.043E-01	6.043E-01	1.107E-01	18.32	
PB-214	1600.00Y	1.00	5.497E-01	5.498E-01	1.060E-01	19.28	
RN-222	1600.00Y	1.00	6.043E-01	6.043E-01	1.107E-01	18.32	
RA-224	1.41E+10Y	1.00	1.410E+00	1.410E+00	0.628E+00	44.54	
RA-226	1600.00Y	1.00	5.497E-01	5.498E-01	1.060E-01	19.28	
AC-228	1.41E+10Y	1.00	4.249E-01	4.249E-01	1.668E-01	39.25	
RA-228	1.41E+10Y	1.00	4.249E-01	4.249E-01	1.668E-01	39.25	
TH-228	1.41E+10Y	1.00	4.245E-01	4.245E-01	0.658E-01	15.49	
TH-230	7.54E+04Y	1.00	5.497E-01	5.497E-01	1.060E-01	19.28	
PA-231	7.04E+08Y	1.00	5.616E-01	5.616E-01	5.020E-01	89.38	
TH-232	1.41E+10Y	1.00	4.249E-01	4.249E-01	1.668E-01	39.25	
TH-234	4.47E+09Y	1.00	2.284E-01	2.284E-01	13.94E-01	610.19	
U-234	2.45E+05Y	1.00	5.497E-01	5.497E-01	1.060E-01	19.28	
U-235	7.04E+08Y	1.00	4.846E-02	4.846E-02	16.29E-02	336.23	
U-238	4.47E+09Y	1.00	2.284E-01	2.284E-01	13.94E-01	610.19	
AM-243	7370.00Y	1.00	1.148E-01	1.148E-01	0.554E-01	48.20	
ANH-511	1.00E+09Y	1.00	3.067E-02	3.067E-02	6.312E-02	205.82	
	Total Activity :		2.624E+01	4.887E+01			

Grand Total Activity : 2.624E+01 4.887E+01

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

Sample ID : G618474002 Acquisition date : 8-MAY-2023 05:00:06

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
0	83.70	28	213	0.49	166.96	164	7	3.35E-03	****	6.06E+00	T
0	129.05	55	163	1.62	257.67	253	8	6.78E-03	90.6	7.21E+00	T
0	200.39	20	240	3.56	400.38	391	13	2.58E-03	****	5.97E+00	T
0	209.09	59	122	2.37	417.78	414	8	7.50E-03	73.1	5.82E+00	
0	327.79	15	97	0.95	655.22	653	8	1.99E-03	****	4.31E+00	T
0	490.05	11	27	1.61	979.80	976	6	1.47E-03	****	3.22E+00	
0	492.68	17	29	1.83	985.06	982	7	2.35E-03	****	3.21E+00	T
0	516.51	15	21	1.03	1032.74	1031	5	2.09E-03	****	3.10E+00	
0	543.33	29	19	1.02	1086.39	1083	8	3.99E-03	63.5	2.98E+00	
0	871.75	6	22	1.22	1743.42	1736	10	8.31E-04	****	2.01E+00	T
3	964.86	23	21	2.33	1929.71	1922	27	3.22E-03	92.2	1.83E+00	T
0	998.76	25	76	12.96	1997.55	1969	31	3.54E-03	****	1.78E+00	
0	1050.14	14	32	6.74	2100.34	2088	18	2.04E-03	****	1.70E+00	T
0	1065.05	38	23	5.24	2130.17	2121	18	5.44E-03	76.8	1.68E+00	T
0	1140.71	8	17	1.24	2281.55	2276	8	1.14E-03	****	1.58E+00	
0	1239.62	6	37	1.17	2479.47	2473	10	9.14E-04	****	1.47E+00	T
0	1303.17	6	16	0.66	2606.63	2601	11	8.27E-04	****	1.41E+00	
0	1588.36	9	9	1.06	3177.30	3173	9	1.39E-03	****	1.21E+00	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 07:01:02.37

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*****************************************************************************
*                            GEL Laboratories LLC                           *
*                              2040 Savage Road                             *
*                            Charleston, SC 29407                           *
*****************************************************************************
*                                                                           *
*                          DETECTOR AND SAMPLE DATA                         *
*                                                                           *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G618474002.CNF;1   *
* Acquisition date :  8-MAY-2023 05:00:06 Sensitivity     : 3.000           *
* Detector ID      : GAM29                Energy tolerance: 1.500           *
* Elapsed live time:    0 02:00:00.00     Abundance limit : 75.000          *
* Elapsed real time:    0 02:00:00.67     Half life ratio : *****           *
* Sample date      : 12-APR-2023 13:30:00 Nuclide Library : SOLID           *
* Sample ID        : G618474002           Analyst initials: MJH1            *
* Batch Number     : 2414710              Sample Quantity : 1.3020E+02 GRAM *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000      *
*                                         Dry Weight      :    0.00000      *
*****************************************************************************
*                                                                           *
*                          CALIBRATION INFORMATION                          *
*                                                                           *
* Eff. Cal. date   : 25-JUN-2022 07:11:25 Eff. Geometry   : CAN             *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM29_CAN.CNF;16            *
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Combined Critical Level Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)
K-40	1.691E-01
CD-109	4.049E-01
SN-126	3.579E-02
TE-132	3.140E+00
BA-137M	1.589E-02
CS-137	1.679E-02
TL-208	1.521E-02
BI-210	1.603E+00
PB-210	1.603E+00
BI-211	1.024E-01
BI-212	2.112E-01
PB-212	2.568E-02
BI-214	3.492E-02
PB-214	3.723E-02
RN-222	3.492E-02
RA-224	2.751E-01
RA-226	3.723E-02
AC-228	6.180E-02
RA-228	6.180E-02
TH-228	2.568E-02
TH-230	3.723E-02
PA-231	2.395E-01
TH-232	6.180E-02
TH-234	6.178E-01
U-234	3.723E-02
U-235	9.323E-02
U-238	6.178E-01
AM-243	2.333E-02
ANH-511	1.507E-02

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	2.019E-01	NOT IDENT.
NA-22	2.224E-02	NOT IDENT.

NA-24	0.000E+00	SHORT HLIF
AL-26	1.130E-02	NOT IDENT.
SC-46	2.187E-02	FAIL ABUN
V-48	5.121E-02	NOT IDENT.
CR-51	2.496E-01	NOT IDENT.
MN-52	3.553E-01	NOT IDENT.
MN-54	1.850E-02	NOT IDENT.
CO-56	2.199E-02	FAIL ABUN
MN-56	0.000E+00	SHORT HLIF
CO-57	1.199E-02	NOT IDENT.
CO-58	1.588E-02	NOT IDENT.
FE-59	5.054E-02	NOT IDENT.
CO-60	1.753E-02	NOT IDENT.
ZN-65	3.702E-02	NOT IDENT.
GE-68	6.224E-01	NOT IDENT.
AS-73	4.617E-01	NOT IDENT.
AS-74	6.500E-02	NOT IDENT.
SE-75	2.194E-02	NOT IDENT.
BR-77	0.000E+00	SHORT HLIF
SR-82	2.084E-01	NOT IDENT.
RB-83	4.003E-02	NOT IDENT.
RB-84	4.534E-02	NOT IDENT.
KR-85	4.035E+00	NOT IDENT.
SR-85	2.387E-02	NOT IDENT.
RB-86	5.743E-01	NOT IDENT.
Y-88	1.559E-02	NOT IDENT.
Y-91	1.069E+01	NOT IDENT.
NB-94	1.622E-02	FAIL ABUN
NB-95	2.359E-02	NOT IDENT.
NB-95M	6.284E-02	NOT IDENT.
ZR-95	3.782E-02	NOT IDENT.
NB-97	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	SHORT HLIF
MO-99	7.050E+01	NOT IDENT.
TC-99M	0.000E+00	SHORT HLIF
RH-101	1.440E-02	NOT IDENT.
RH-102	2.889E-02	NOT IDENT.
RU-103	2.290E-02	FAIL ABUN
RH-106	1.424E-01	FAIL ABUN
RU-106	1.424E-01	FAIL ABUN
AG-108M	1.127E-02	NOT IDENT.
AG-110	3.685E-01	NOT IDENT.
AG-110M	2.063E-02	NOT IDENT.
SN-113	2.458E-02	NOT IDENT.
CD-115	0.000E+00	SHORT HLIF
SN-117M	4.804E-02	NOT IDENT.
SB-122	1.366E+01	NOT IDENT.
TE-123M	1.540E-02	NOT IDENT.
SB-124	3.253E-02	NOT IDENT.
SB-125	4.119E-02	NOT IDENT.
TE-125M	5.208E+00	NOT IDENT.
I-126	1.863E-01	NOT IDENT.
SB-126	1.124E-01	NOT IDENT.
SB-127	3.784E+00	NOT IDENT.
I-131	1.351E-01	NOT IDENT.
I-132	0.000E+00	SHORT HLIF
BA-133	1.969E-02	NOT IDENT.
I-133	0.000E+00	SHORT HLIF
CS-134	2.332E-02	NOT IDENT.
I-135	0.000E+00	SHORT HLIF
CS-136	8.536E-02	NOT IDENT.
LA-138	2.757E-02	NOT IDENT.
CE-139	1.406E-02	NOT IDENT.
BA-140	2.079E-01	NOT IDENT.
LA-140	6.086E-02	FAIL ABUN
CE-141	3.565E-02	FAIL ABUN
CE-143	0.000E+00	SHORT HLIF
CE-144	8.703E-02	NOT IDENT.
PM-144	1.823E-02	NOT IDENT.
PR-144	1.371E+00	NOT IDENT.
PM-146	2.080E-02	NOT IDENT.
ND-147	5.126E-01	NOT IDENT.
PM-147	3.399E+02	NOT IDENT.
PM-149	0.000E+00	SHORT HLIF
EU-150	1.216E-02	FAIL ABUN
EU-152	4.624E-02	FAIL ABUN
GD-153	4.085E-02	NOT IDENT.
EU-154	6.316E-02	FAIL ABUN

EU-155	4.947E-02	FAIL ABUN
TB-160	7.493E-02	FAIL ABUN
HO-166M	2.529E-02	FAIL ABUN
TM-171	8.461E+00	NOT IDENT.
HF-172	8.272E-02	FAIL ABUN
LU-172	3.120E-02	FAIL ABUN
LU-176	1.311E-02	FAIL ABUN
HF-181	2.682E-02	NOT IDENT.
TA-182	1.040E-01	FAIL ABUN
RE-183	1.036E-01	NOT IDENT.
RE-184	6.881E-02	NOT IDENT.
W-188	3.386E+00	FAIL ABUN
IR-192	1.933E-02	FAIL ABUN
HG-203	2.040E-02	NOT IDENT.
TL-204	2.277E+00	FAIL ABUN
BI-207	3.933E-02	FAIL ABUN
PB-211	4.182E-01	NOT IDENT.
BI-213	5.472E-02	NOT IDENT.
RN-219	1.874E-01	NOT IDENT.
RA-223	2.967E-01	FAIL ABUN
AC-225	5.137E-01	NOT IDENT.
AC-227	1.304E-01	FAIL ABUN
TH-227	1.304E-01	FAIL ABUN
TH-229	2.420E-01	FAIL ABUN
TH-231	2.967E-01	FAIL ABUN
PA-233	2.519E-02	FAIL ABUN
PA-234	1.474E-01	NOT IDENT.
PA-234M	2.368E+00	NOT IDENT.
NP-237	2.519E-02	FAIL ABUN
NP-238	0.000E+00	SHORT HLIF
NP-239	1.136E-01	FAIL ABUN
PU-239	1.681E+02	FAIL ABUN
AM-241	6.744E-02	NOT IDENT.
CM-243	4.794E-02	FAIL ABUN
BK-247	3.684E-02	FAIL ABUN
CM-247	1.930E-02	NOT IDENT.
CF-249	1.918E-02	NOT IDENT.
CF-251	5.903E-02	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 07:01:07.00

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G618474002.CNF;1		
Acquisition date	: 8-MAY-2023 05:00:06	Sensitivity	: 3.000
Detector ID	: GAM29	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:00.67	Half life ratio	: *****
Sample date	: 12-APR-2023 13:30:00	Nuclide Library	: SOLID
Sample ID	: G618474002	Analyst initials	: MJH1
Batch Number	: 2414710	Sample Quantity	: 1.3020E+02 GRAM
		Quantity Err(%)	: 1.5361E-03 %
Wet wt corr	: 1.00000	Wet Weight	: 0.00000
		Dry Weight	: 0.00000

CALIBRATION INFORMATION

Eff. Cal. date	: 25-JUN-2022 07:11:25	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM29_CAN.CNF;16		

Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Act Error (1.96-sigma)	TPU (1.96-sigma)
K-40	1.139E+01	1.484E+00	1.484E+00
CD-109	1.120E+00	7.461E-01	7.461E-01
SN-126	1.078E-01	7.155E-02	7.155E-02
TE-132	2.266E+01	1.359E+01	1.359E+01
BA-137M	4.567E-02	3.137E-02	3.137E-02
CS-137	4.824E-02	3.314E-02	3.314E-02
TL-208	1.173E-01	5.474E-02	5.474E-02
BI-210	1.443E+00	3.544E+00	3.544E+00
PB-210	1.443E+00	3.544E+00	3.544E+00
BI-211	1.515E+00	3.129E-01	3.129E-01
BI-212	8.058E-01	5.267E-01	5.267E-01
PB-212	4.245E-01	7.290E-02	7.290E-02
BI-214	6.043E-01	1.208E-01	1.208E-01
PB-214	5.498E-01	1.132E-01	1.132E-01
RN-222	6.043E-01	1.208E-01	1.208E-01
RA-224	1.410E+00	6.262E-01	6.262E-01
RA-226	5.498E-01	1.132E-01	1.132E-01
AC-228	4.249E-01	1.687E-01	1.687E-01
RA-228	4.249E-01	1.687E-01	1.687E-01
TH-228	4.245E-01	7.290E-02	7.290E-02
TH-230	5.497E-01	1.132E-01	1.132E-01
PA-231	5.616E-01	5.077E-01	5.077E-01
TH-232	4.249E-01	1.687E-01	1.687E-01
TH-234	2.284E-01	1.367E+00	1.367E+00
U-234	5.497E-01	1.132E-01	1.132E-01
U-235	4.846E-02	1.597E-01	1.597E-01
U-238	2.284E-01	1.367E+00	1.367E+00
AM-243	1.148E-01	5.504E-02	5.504E-02
ANH-511	3.067E-02	6.191E-02	6.191E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	1.601E-01	2.192E-01	2.308E-01	NOT IDENT.

NA-22	1.505E-02	2.387E-02	2.482E-02	NOT IDENT.
NA-24	2.597E+10	4.030E+10	4.197E+10	SHORT HLIF
AL-26	-9.871E-03	1.709E-02	1.766E-02	NOT IDENT.
SC-46	1.704E-02	2.412E-02	2.531E-02	FAIL ABUN
V-48	-5.290E-03	6.755E-02	6.759E-02	NOT IDENT.
CR-51	1.715E-01	2.685E-01	2.794E-01	NOT IDENT.
MN-52	1.294E-02	4.183E-01	4.184E-01	NOT IDENT.
MN-54	2.926E-03	2.207E-02	2.211E-02	NOT IDENT.
CO-56	1.195E-02	2.502E-02	2.559E-02	FAIL ABUN
MN-56	1.000E+41	2.082E+41	0.000E+00	SHORT HLIF
CO-57	7.536E-03	1.352E-02	1.394E-02	NOT IDENT.
CO-58	-1.646E-02	2.225E-02	2.346E-02	NOT IDENT.
FE-59	4.476E-02	5.213E-02	5.590E-02	NOT IDENT.
CO-60	-1.990E-02	2.419E-02	2.580E-02	NOT IDENT.
ZN-65	-9.730E-04	4.891E-02	4.892E-02	NOT IDENT.
GE-68	8.293E-02	7.080E-01	7.090E-01	NOT IDENT.
AS-73	1.979E-01	5.088E-01	5.165E-01	NOT IDENT.
AS-74	2.431E-02	7.374E-02	7.455E-02	NOT IDENT.
SE-75	7.952E-03	2.384E-02	2.411E-02	NOT IDENT.
BR-77	1.437E+03	1.093E+03	1.270E+03	SHORT HLIF
SR-82	1.269E-01	2.326E-01	2.396E-01	NOT IDENT.
RB-83	4.160E-02	4.428E-02	4.809E-02	NOT IDENT.
RB-84	2.461E-02	5.178E-02	5.295E-02	NOT IDENT.
KR-85	3.313E+00	4.870E+00	5.094E+00	NOT IDENT.
SR-85	1.947E-02	2.882E-02	3.013E-02	NOT IDENT.
RB-86	6.740E-02	6.547E-01	6.554E-01	NOT IDENT.
Y-88	-1.156E-02	2.248E-02	2.308E-02	NOT IDENT.
Y-91	-4.265E+00	1.309E+01	1.323E+01	NOT IDENT.
NB-94	-3.813E-03	1.989E-02	1.996E-02	FAIL ABUN
NB-95	-1.696E-02	3.055E-02	3.149E-02	NOT IDENT.
NB-95M	1.378E-02	9.405E-02	9.426E-02	NOT IDENT.
ZR-95	6.336E-03	4.465E-02	4.474E-02	NOT IDENT.
NB-97	1.000E+41	5.669E+41	0.000E+00	SHORT HLIF
ZR-97	2.520E+10	3.485E+10	3.666E+10	SHORT HLIF
MO-99	-9.849E+01	1.001E+02	1.095E+02	NOT IDENT.
TC-99M	1.228E+28	1.058E+29	0.000E+00	SHORT HLIF
RH-101	1.142E-02	1.742E-02	1.817E-02	NOT IDENT.
RH-102	1.935E-03	3.405E-02	3.406E-02	NOT IDENT.
RU-103	-1.029E-02	2.924E-02	2.960E-02	FAIL ABUN
RH-106	-4.643E-02	1.750E-01	1.762E-01	FAIL ABUN
RU-106	-4.643E-02	1.750E-01	1.762E-01	FAIL ABUN
AG-108M	-1.026E-02	1.426E-02	1.499E-02	NOT IDENT.
AG-110	-2.762E-02	4.963E-01	4.965E-01	NOT IDENT.
AG-110M	-1.064E-02	2.713E-02	2.755E-02	NOT IDENT.
SN-113	3.508E-03	2.780E-02	2.785E-02	NOT IDENT.
CD-115	8.126E+01	1.761E+02	1.799E+02	SHORT HLIF
SN-117M	1.094E-02	5.816E-02	5.837E-02	NOT IDENT.
SB-122	-7.813E+00	1.698E+01	1.734E+01	NOT IDENT.
TE-123M	4.542E-03	1.858E-02	1.869E-02	NOT IDENT.
SB-124	-3.011E-02	4.882E-02	5.068E-02	NOT IDENT.
SB-125	-2.732E-02	5.028E-02	5.176E-02	NOT IDENT.
TE-125M	-2.649E+00	6.432E+00	6.541E+00	NOT IDENT.
I-126	4.107E-02	2.420E-01	2.427E-01	NOT IDENT.
SB-126	-4.051E-02	1.408E-01	1.419E-01	NOT IDENT.
SB-127	-1.677E+00	4.765E+00	4.825E+00	NOT IDENT.
I-131	-6.375E-02	1.596E-01	1.622E-01	NOT IDENT.
I-132	1.000E+41	2.315E+41	0.000E+00	SHORT HLIF
BA-133	1.101E-02	2.354E-02	2.406E-02	NOT IDENT.
I-133	1.684E+06	1.513E+07	1.515E+07	SHORT HLIF
CS-134	2.325E-02	2.537E-02	2.745E-02	NOT IDENT.
I-135	-6.617E+25	1.408E+27	0.000E+00	SHORT HLIF
CS-136	-2.881E-02	1.026E-01	1.034E-01	NOT IDENT.
LA-138	3.144E-02	2.597E-02	2.958E-02	NOT IDENT.
CE-139	-1.379E-02	1.816E-02	1.919E-02	NOT IDENT.
BA-140	-7.146E-02	2.523E-01	2.544E-01	NOT IDENT.
LA-140	-4.585E-02	8.458E-02	8.706E-02	FAIL ABUN
CE-141	1.902E-02	6.268E-02	6.327E-02	FAIL ABUN
CE-143	9.389E+03	1.474E+04	1.533E+04	SHORT HLIF
CE-144	-5.667E-02	1.074E-01	1.104E-01	NOT IDENT.
PM-144	-1.442E-03	2.198E-02	2.199E-02	NOT IDENT.
PR-144	-1.123E-01	1.653E+00	1.654E+00	NOT IDENT.
PM-146	-9.444E-03	2.500E-02	2.536E-02	NOT IDENT.
ND-147	-2.267E-01	6.261E-01	6.344E-01	NOT IDENT.
PM-147	1.237E+02	3.897E+02	3.937E+02	NOT IDENT.
PM-149	2.841E+02	1.354E+03	1.360E+03	SHORT HLIF
EU-150	-5.044E-03	1.489E-02	1.507E-02	FAIL ABUN
EU-152	3.087E-02	5.176E-02	5.360E-02	FAIL ABUN
GD-153	1.700E-02	4.990E-02	5.048E-02	NOT IDENT.

EU-154	4.983E-02	6.677E-02	7.045E-02	FAIL ABUN
EU-155	-2.687E-03	5.781E-02	5.783E-02	FAIL ABUN
TB-160	1.157E-02	8.977E-02	8.992E-02	FAIL ABUN
HO-166M	-1.284E-02	3.222E-02	3.274E-02	FAIL ABUN
TM-171	-4.116E+00	9.810E+00	9.984E+00	NOT IDENT.
HF-172	9.836E-03	1.046E-01	1.047E-01	FAIL ABUN
LU-172	1.518E-02	3.401E-02	3.469E-02	FAIL ABUN
LU-176	2.728E-03	1.453E-02	1.458E-02	FAIL ABUN
HF-181	2.608E-02	2.850E-02	3.083E-02	NOT IDENT.
TA-182	-3.141E-02	1.255E-01	1.263E-01	FAIL ABUN
RE-183	3.977E-02	1.146E-01	1.160E-01	NOT IDENT.
RE-184	-4.342E-02	9.137E-02	9.344E-02	NOT IDENT.
W-188	-6.698E-01	4.291E+00	4.302E+00	FAIL ABUN
IR-192	1.275E-02	2.078E-02	2.156E-02	FAIL ABUN
HG-203	-6.568E-03	2.332E-02	2.350E-02	NOT IDENT.
TL-204	-1.094E+00	2.931E+00	2.973E+00	FAIL ABUN
BI-207	8.797E-02	6.663E-02	7.754E-02	FAIL ABUN
PB-211	5.235E-01	4.398E-01	4.991E-01	NOT IDENT.
BI-213	1.172E-02	6.203E-02	6.226E-02	NOT IDENT.
RN-219	-2.571E-01	2.414E-01	2.678E-01	NOT IDENT.
RA-223	-9.967E-02	3.600E-01	3.628E-01	FAIL ABUN
AC-225	-6.785E-01	6.936E-01	7.581E-01	NOT IDENT.
AC-227	1.034E-02	1.443E-01	1.444E-01	FAIL ABUN
TH-227	1.034E-02	1.443E-01	1.444E-01	FAIL ABUN
TH-229	-8.647E-02	3.269E-01	3.292E-01	FAIL ABUN
TH-231	-9.967E-02	3.600E-01	3.628E-01	FAIL ABUN
PA-233	-1.813E-02	3.016E-02	3.125E-02	FAIL ABUN
PA-234	2.284E-02	1.795E-01	1.798E-01	NOT IDENT.
PA-234M	-1.752E+00	3.267E+00	3.361E+00	NOT IDENT.
NP-237	-1.813E-02	3.016E-02	3.125E-02	FAIL ABUN
NP-238	-1.465E+02	4.143E+02	4.195E+02	SHORT HLIF
NP-239	2.346E-03	1.329E-01	1.329E-01	FAIL ABUN
PU-239	3.472E+02	3.093E+02	3.466E+02	FAIL ABUN
AM-241	-3.411E-02	8.535E-02	8.672E-02	NOT IDENT.
CM-243	2.886E-03	5.558E-02	5.559E-02	FAIL ABUN
BK-247	3.064E-03	4.082E-02	4.084E-02	FAIL ABUN
CM-247	-3.972E-03	2.247E-02	2.254E-02	NOT IDENT.
CF-249	-2.684E-04	2.195E-02	2.195E-02	NOT IDENT.
CF-251	-4.653E-02	7.495E-02	7.783E-02	NOT IDENT.

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

GAMMA SPECTROSCOPY BACKGROUND REPORT

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
43.53	95.3082	85.43	117.7285	131.20	68.8381
45.60	106.1577	86.55	143.2206	133.02	86.6180
46.54	92.4527	86.79	143.2767	133.52	101.3049
49.72	99.3642	86.94	143.3120	136.00	110.6478
51.35	99.4103	87.09	143.3472	136.47	97.1542
51.87	108.3966	87.57	143.4603	140.51	105.9542
52.39	110.4974	88.03	171.7176	143.76	105.9845
52.97	105.7024	88.34	171.8045	144.24	106.0441
53.44	101.8578	88.47	159.1637	145.44	102.0076
54.07	102.0000	89.96	141.8976	152.43	112.8071
57.36	0.0000	1093.63	142.0519	153.25	95.6293
57.53	89.7981	91.11	149.9381	323.87	91.1195
57.98	100.8694	92.59	132.9212	156.02	119.0419
59.27	124.1760	93.35	133.0795	158.56	103.1521
59.32	124.1887	94.56	133.3313	159.00	99.7236
59.54	114.8941	94.65	133.3494	162.33	103.5785
60.96	107.1924	94.67	133.3542	162.66	103.6151
61.17	95.1740	94.87	133.3952	163.33	86.2151
62.93	132.1739	97.43	105.7080	165.86	110.9831
63.29	132.2693	98.43	108.3720	176.31	94.4885
63.58	132.3460	98.44	108.3743	176.60	94.5166
64.28	142.9850	99.53	115.0010	177.52	106.4314
66.73	131.4745	100.11	108.6464	181.07	101.2773
67.24	135.3359	102.03	113.2720	181.52	112.4051
125.81	139.5242	103.18	100.4969	184.41	86.9292
67.75	139.5430	103.37	100.5246	143.76	87.0428
68.89	130.6602	105.21	111.6331	193.51	96.1182
69.67	123.6975	105.31	111.6488	197.03	94.0318
70.82	144.7957	106.12	119.3768	198.01	94.1187
70.83	144.7990	106.47	118.3506	201.83	87.1930
72.81	152.1858	109.28	117.7353	203.43	72.7689
72.87	152.2027	111.00	118.0204	205.31	76.1359
74.66	131.0327	111.76	99.5486	210.85	81.4077
74.82	131.0705	114.06	92.1839	215.65	79.7166
74.97	131.1054	116.30	83.6599	218.12	90.9542
77.11	131.6073	116.74	87.0144	222.11	60.8499
78.74	116.3964	119.76	91.7913	227.09	71.0245
79.69	129.0803	121.12	88.6328	227.38	71.0420
80.03	129.1559	121.22	88.6444	228.16	71.0893
80.12	129.1768	121.78	93.1458	228.18	71.0910
80.19	129.1919	122.06	84.3055	116.74	71.0910
80.57	91.7450	122.92	98.8376	235.69	79.8652
81.00	102.2461	123.07	98.8573	235.96	62.4092
81.07	129.3877	265.00	81.1498	238.63	75.0586
81.75	115.6093	125.81	86.2041	238.98	0.0000
82.47	105.9898	127.23	80.4048	240.99	75.2060
83.79	122.9980	127.91	84.9463	242.00	75.2682
84.00	123.0410	129.30	85.0956	244.70	75.4358

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.40	77.5941	344.28	43.2334	563.25	36.4277
252.80	80.1505	345.93	63.1156	564.24	42.5178
254.15	0.0000	351.06	62.4175	569.33	43.6281
256.23	82.0613	351.93	62.4512	946.00	33.4847
260.90	0.0000	355.39	0.0000	569.70	33.4874
264.66	57.9090	356.01	42.1955	583.19	28.5822
264.80	62.1745	364.49	56.5571	584.27	28.5959
265.00	62.1834	366.42	58.4518	595.83	27.7130
269.46	78.6376	372.51	52.2523	427.87	41.1393
270.03	65.8445	375.05	56.0048	602.52	0.0000
271.23	84.7357	377.52	45.0542	604.72	44.8169
273.65	90.0357	356.01	50.7624	607.14	47.9569
276.40	67.8826	388.16	49.9669	609.32	40.2600
277.37	70.5105	388.63	50.9068	610.33	40.2759
277.60	70.5238	391.69	54.7075	614.28	24.8271
278.00	65.3821	264.66	56.8561	618.01	41.4421
279.20	68.8851	401.81	67.1543	620.36	22.8155
279.54	72.3481	402.40	60.6452	621.93	32.1706
279.70	71.4953	404.85	47.6496	630.19	0.0000
280.46	71.5358	410.95	39.3776	631.29	37.5029
283.69	67.3867	413.71	43.1952	633.25	31.2781
284.31	70.8758	414.70	55.4325	634.78	38.6004
285.41	59.6871	423.72	48.1580	635.95	36.5310
285.90	0.0000	427.09	38.7870	636.99	33.4141
287.50	60.6447	427.87	49.2144	657.50	34.7443
290.67	54.7072	433.94	38.9322	657.76	34.7469
293.27	0.0000	439.40	41.9044	657.90	0.0000
351.93	61.4207	440.45	48.5980	661.66	28.4744
295.96	61.4537	453.88	51.8258	664.57	0.0000
879.38	52.3987	463.37	38.5791	666.33	30.1108
299.98	77.3655	468.07	42.5400	666.50	26.9433
300.09	77.3709	473.00	41.6781	667.71	0.0000
300.13	77.3727	475.06	47.5435	677.62	31.8359
301.36	72.1909	476.78	41.7586	685.70	29.8070
302.85	73.5803	477.60	38.8615	692.65	32.0215
256.23	57.8802	482.18	30.1870	695.00	30.9812
304.85	52.6306	487.02	26.3557	696.49	39.5504
306.78	60.6080	492.35	0.0000	696.51	39.5504
308.46	56.2813	497.08	44.7335	697.00	44.9036
311.90	50.2449	505.52	56.1476	697.30	43.8394
316.51	52.1736	507.63	0.0000	697.49	41.7041
319.41	65.5660	511.00	47.4072	702.65	36.4294
320.08	54.9589	514.00	47.4766	706.68	33.2655
321.04	52.3332	514.00	47.4766	711.68	29.0270
323.87	61.8544	520.40	27.3821	720.70	29.1248
325.23	64.0444	520.69	0.0000	721.93	0.0000
328.76	65.0869	522.65	0.0000	722.78	30.7672
333.37	59.9200	527.90	0.0000	722.91	30.7683
333.97	59.0485	528.26	34.8519	723.31	24.2944
334.37	48.3256	529.59	34.8747	724.19	22.6816
338.28	52.9346	529.87	0.0000	727.33	23.7895
338.32	52.9370	531.02	40.8799	733.00	27.6323
311.90	52.5610	537.26	34.9986	735.93	21.6951
340.48	52.5610	546.56	0.0000	333.97	28.2196
340.55	52.5634	552.55	38.2660	739.50	34.7578

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
744.23	28.2894	949.00	24.4385	1384.29	7.8066
747.24	28.3201	667.71	0.0000	1408.01	4.9048
748.06	27.2390	962.31	25.2360	1434.09	7.8921
752.31	26.1885	964.08	18.4109	1435.80	2.9606
753.82	29.4785	966.17	18.4224	1457.56	0.0000
756.73	25.1375	911.20	18.4378	1460.82	11.9063
756.80	25.1385	983.53	21.1619	1489.16	9.9811
884.68	39.4468	984.45	0.0000	1505.03	10.0140
765.81	44.9555	1274.44	27.4344	1584.12	4.8847
766.42	42.7721	1001.03	26.9405	1596.21	11.2209
766.84	30.7127	1002.74	22.4620	1620.50	4.0999
772.60	0.0000	1004.73	23.0658	1621.92	5.1260
776.52	18.7100	507.63	0.0000	1678.03	0.0000
739.50	22.0231	1025.87	0.0000	1690.97	8.3110
778.90	23.1320	1028.54	0.0000	1750.46	0.0000
783.70	27.5838	1037.84	28.6563	1764.49	5.2658
788.74	28.7380	1038.76	0.0000	1063.66	5.0604
792.07	38.7299	631.29	23.3387	1771.35	5.2722
795.86	24.3758	1048.07	23.3499	1791.20	0.0000
810.06	20.0413	1049.04	23.3546	1808.65	7.4307
810.29	20.0427	1050.41	23.3641	1810.72	0.0000
344.28	20.0435	1063.66	18.0383	1836.06	8.5337
810.76	24.5002	1077.00	20.8199		
815.77	14.5020	1077.34	19.9160		
1048.07	23.4481	1085.87	25.4058		
832.01	31.4054	1093.63	16.3663		
834.85	26.9443	1099.45	11.8384		
835.71	25.8291	1112.07	18.2739		
836.80	0.0000	1112.84	17.3637		
846.75	0.0000	1115.54	17.5594		
846.77	21.4144	1120.29	24.7242		
856.80	35.0541	1120.55	24.7258		
860.56	24.9076	1221.41	24.7308		
871.09	25.5597	1129.67	27.5391		
873.19	17.0514	1131.51	0.0000		
875.33	0.0000	1147.95	0.0000		
879.38	25.0579	1173.23	34.3465		
880.51	22.7881	1177.95	27.8815		
881.60	21.6564	1189.05	19.5721		
883.24	21.6672	1204.77	25.2631		
884.68	21.6773	1221.41	31.9435		
889.28	17.1387	1231.02	23.5428		
894.76	27.4688	1235.36	27.1494		
898.04	18.3314	1238.28	28.3008		
900.72	27.5205	1260.41	0.0000		
903.28	27.5420	1271.87	23.7747		
911.20	20.7078	1274.44	13.3224		
912.08	29.3433	1274.54	14.2740		
923.98	0.0000	1291.59	21.9752		
926.50	23.1169	1298.22	0.0000		
929.11	25.4482	1312.11	12.4803		
935.54	31.2935	1332.49	22.1844		
937.49	28.9927	1362.66	0.0000		
944.13	23.2406	1365.19	10.6885		
946.00	22.0909	1368.63	0.0000		

VAX/VMS Nuclide Identification Report Generated 8-MAY-2023 07:50:09.53

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

Configuration : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G618474003.CNF;1
Background file : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM07.CNF;819
Background date : 7-MAY-2023 09:36:57.
Sample date : 11-APR-2023 09:00:00 Acquisition date : 8-MAY-2023 05:49:41.
Sample ID : G618474003 Sample quantity : 1.36600E+02 GRAM
Detector name : GAM07 Detector geometry: CAN
Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:00.97 0.0%
Energy tolerance : 1.50000 keV Analyst Initials : MJH1
Abundance limit : 75.00000 Sensitivity : 3.00000
Batch ID : 2414710 Detector SN# :
Matrix Spike ID : LCS ID :

BACKGROUND CORRECTED SAMPLE PEAK REPORT

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	2	63.26*	56	214	1.17	127.08	124	9	7.79E-03	48.0	3.83E+00
2	2	64.70*	13	183	0.96	129.96	124	9	1.76E-03	191.8	
3	4	74.92*	228	240	1.02	150.40	145	14	3.17E-02	12.7	2.13E+00
4	4	77.23*	348	217	1.08	155.02	145	14	4.83E-02	8.9	
5	0	87.19*	120	305	1.38	174.93	171	8	1.67E-02	27.2	
6	0	93.18*	165	319	1.18	186.91	183	10	2.30E-02	23.0	
7	0	104.70	52	209	1.08	209.94	205	9	7.18E-03	52.5	
8	0	129.42	22	203	0.83	259.35	256	7	2.99E-03	112.2	
9	0	178.24	27	137	0.67	356.94	354	7	3.69E-03	75.8	
10	0	185.79*	91	235	1.11	372.05	367	10	1.26E-02	34.4	
11	0	209.79	98	157	1.32	420.02	415	10	1.36E-02	26.3	
12	6	238.65*	633	105	1.19	477.72	471	17	8.79E-02	5.0	2.27E+00
13	6	241.72*	206	85	1.74	483.85	471	17	2.86E-02	11.7	
14	0	270.38	49	143	1.03	541.15	535	11	6.79E-03	49.5	
15	0	278.05	23	118	0.93	556.49	550	8	3.14E-03	86.5	
16	0	295.18*	247	158	0.96	590.74	585	12	3.42E-02	12.3	
17	0	300.31	41	114	0.69	600.99	597	11	5.69E-03	53.5	
18	0	327.75	22	103	0.94	655.84	653	8	3.11E-03	81.4	
19	0	338.28*	126	92	1.03	676.89	672	9	1.75E-02	16.8	
20	0	351.79*	476	91	1.18	703.91	697	14	6.60E-02	6.4	
21	0	427.62	16	42	1.20	855.50	852	6	2.22E-03	68.8	
22	0	464.17	97	46	4.74	928.59	922	15	1.35E-02	18.1	
23	0	478.28	45	123	7.10	956.78	940	23	6.31E-03	65.9	
24	0	496.68	16	69	2.36	993.58	983	12	2.17E-03	111.3	
25	0	510.83*	6	114	2.07	1021.87	1013	15	8.16E-04	470.7	
26	0	551.08	18	55	3.75	1102.35	1095	11	2.50E-03	86.1	
27	0	557.80	28	41	2.60	1115.78	1111	10	3.94E-03	45.9	
28	0	583.01*	152	40	1.42	1166.17	1161	10	2.12E-02	11.8	
29	0	609.10*	302	72	1.27	1218.35	1212	13	4.19E-02	8.3	
30	0	663.02	35	99	3.56	1326.16	1317	18	4.86E-03	68.8	
31	0	727.50*	20	63	0.71	1455.07	1448	11	2.79E-03	81.9	
32	0	768.19	23	30	0.92	1536.43	1532	8	3.20E-03	47.0	
33	0	795.90	27	50	0.83	1591.83	1582	15	3.75E-03	61.3	
34	0	821.34	17	36	1.27	1642.71	1638	12	2.36E-03	74.6	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
35	0	860.95	16	47	0.53	1721.90	1714	11	2.25E-03	85.6	
36	0	910.98*	127	64	1.76	1821.95	1815	17	1.76E-02	17.4	
37	1	964.34	41	13	2.00	1928.64	1922	24	5.75E-03	25.8	1.18E+00
38	1	968.70*	81	16	2.00	1937.36	1922	24	1.12E-02	16.2	
39	0	1102.81	23	54	6.36	2205.52	2192	18	3.19E-03	77.8	
40	0	1120.31	93	29	1.64	2240.51	2234	16	1.30E-02	16.9	
41	0	1212.38	54	81	4.84	2424.63	2409	27	7.56E-03	48.0	
42	0	1238.28	39	35	1.95	2476.42	2472	11	5.47E-03	34.1	
43	0	1280.00	13	26	1.19	2559.84	2555	10	1.87E-03	75.0	
44	0	1317.01	7	25	3.78	2633.86	2622	15	9.98E-04	150.1	
45	0	1460.22*	682	12	2.13	2920.24	2912	16	9.47E-02	4.0	
46	0	1483.54	11	7	1.75	2966.89	2958	12	1.58E-03	52.7	
47	0	1496.85	15	3	1.38	2993.50	2988	12	2.01E-03	35.2	
48	0	1508.89	12	12	2.36	3017.57	3005	15	1.68E-03	67.3	
49	0	1590.00	21	27	5.42	3179.80	3166	22	2.85E-03	68.8	
50	0	1630.57	15	0	1.24	3260.93	3257	9	2.08E-03	25.8	
51	0	1729.29	25	7	2.33	3458.36	3452	13	3.50E-03	28.9	
52	0	1763.86*	68	4	1.89	3527.50	3520	15	9.39E-03	14.1	
53	0	1846.33	18	0	0.60	3692.44	3686	11	2.50E-03	23.6	
54	0	1928.75	5	6	1.54	3857.29	3852	8	7.20E-04	92.6	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 8-MAY-2023 07:50:11

Configuration : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G618474003.CNF;1
Analyses by : PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4,INTERF V2.4
Sample title : MJH1
Sample date : 11-APR-2023 09:00:00 Acquisition date : 8-MAY-2023 05:49:41
Sample ID : G618474003 Sample quantity : 136.60 GRAM
Sample type : SOLID Sample geometry :
Detector name : GAMMA7 Detector geometry: CAN
Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:00.97 0.0%
Energy tolerance : 1.50 keV Half life ratio : 10.00
Errors propagated: No Systematic Error : 0.00 %
Efficiency type : Empirical Efficiencies at : Peak Energy
Abundance limit : 75.00

Interference Report

Interfering		Interfered	
Nuclide	Line	Nuclide	Line
TL-208	277.37	HG-203	279.20

Nuclide Type:

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error	Status
BE-7	477.60	10.44*	2.746E+00	4.559E-01	6.472E-01	131.74	OK
K-40	1460.82	10.66*	1.061E+00	1.584E+01	1.584E+01	8.07	OK
RU-103	497.08	91.00*	2.666E+00	1.843E-02	2.964E-02	222.60	OK
	610.33	5.76	2.266E+00	6.530E+00	1.050E+01	16.65	OK
CD-109	88.03	3.70*	5.581E+00	1.898E+00	1.977E+00	54.37	OK
SN-126	64.28	9.60	3.217E+00	1.364E-01	1.364E-01	383.57	OK
	86.94	8.90	5.581E+00	7.892E-01	7.892E-01	54.37	OK
	87.57	37.00*	5.581E+00	1.898E-01	1.898E-01	54.37	OK
BA-137M	661.66	89.90*	2.113E+00	5.166E-02	5.175E-02	137.56	OK
CS-137	661.66	85.10*	2.113E+00	5.458E-02	5.467E-02	137.56	OK
EU-155	86.55	30.70	5.581E+00	2.288E-01	2.313E-01	54.37	OK
	105.31	21.10*	6.321E+00	1.247E-01	1.260E-01	104.95	OK
HG-203	70.83	3.69	4.025E+00	----- Line Not Found	-----		Absent
	72.87	6.19	4.270E+00	----- Line Not Found	-----		Absent
	279.20	81.56*	4.144E+00	2.524E-03	3.767E-03	1380.96	OK
TL-208	277.37	6.60	4.151E+00	----- Line Not Found	-----		<<INT Reject
	583.19	85.00*	2.348E+00	2.163E-01	2.163E-01	23.63	OK
	860.56	12.50	1.688E+00	2.104E-01	2.104E-01	171.14	OK
BI-211	72.87	1.23	4.270E+00	----- Line Not Found	-----		Absent
	351.06	12.92*	3.473E+00	3.121E+00	3.121E+00	12.74	OK
BI-212	727.33	6.67*	1.954E+00	4.285E-01	4.285E-01	163.87	OK
	1620.50	1.47	9.805E-01	----- Line Not Found	-----		Absent
PB-212	74.82	10.28	4.501E+00	1.621E+00	1.621E+00	25.44	OK
	77.11	17.10	4.745E+00	1.406E+00	1.406E+00	17.82	OK
	238.63	43.60*	4.635E+00	9.490E-01	9.490E-01	9.98	OK
	300.09	3.30	3.912E+00	9.454E-01	9.454E-01	106.99	OK
BI-214	609.32	45.49*	2.266E+00	8.268E-01	8.268E-01	16.65	OK
	1120.29	14.92	1.333E+00	1.262E+00	1.262E+00	33.86	OK
	1764.49	15.30	9.271E-01	1.232E+00	1.232E+00	28.26	OK
PB-214	74.82	5.80	4.501E+00	2.873E+00	2.873E+00	25.44	OK
	77.11	9.70	4.745E+00	2.479E+00	2.479E+00	17.82	OK
	87.09	3.41	5.581E+00	2.060E+00	2.060E+00	54.37	OK
	242.00	7.25	4.592E+00	1.873E+00	1.873E+00	23.42	OK
	295.22	18.42	3.963E+00	1.008E+00	1.008E+00	24.66	OK
	351.93	35.60*	3.473E+00	1.133E+00	1.133E+00	12.74	OK
RN-222	609.32	45.49*	2.266E+00	8.268E-01	8.268E-01	16.65	OK
	1120.29	14.92	1.333E+00	1.262E+00	1.262E+00	33.86	OK
	1764.49	15.30	9.271E-01	1.232E+00	1.232E+00	28.26	OK
RA-224	240.99	4.10*	4.592E+00	3.311E+00	3.311E+00	23.42	OK
RA-226	74.82	5.80	4.501E+00	2.873E+00	2.873E+00	25.44	OK
	77.11	9.70	4.745E+00	2.479E+00	2.479E+00	17.82	OK
	87.09	3.41	5.581E+00	2.060E+00	2.060E+00	54.37	OK
	242.00	7.25	4.592E+00	1.873E+00	1.873E+00	23.42	OK
	295.22	18.42	3.963E+00	1.008E+00	1.008E+00	24.66	OK
	351.93	35.60*	3.473E+00	1.133E+00	1.133E+00	12.74	OK
AC-228	105.21	1.10	6.321E+00	2.391E+00	2.391E+00	104.95	OK
	338.32	11.27	3.577E+00	9.252E-01	9.252E-01	33.50	OK
	835.71	1.61	1.733E+00	----- Line Not Found	-----		Absent
	911.20	25.80*	1.606E+00	8.363E-01	8.363E-01	34.72	OK

Nuclide Type:

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error	Status
	968.97	15.80	1.520E+00	9.165E-01	9.165E-01	32.47	OK
RA-228	105.21	1.10	6.321E+00	2.391E+00	2.391E+00	104.95	OK
	338.32	11.27	3.577E+00	9.252E-01	9.252E-01	33.50	OK
	835.71	1.61	1.733E+00	----- Line Not Found		-----	Absent
	911.20	25.80*	1.606E+00	8.363E-01	8.363E-01	34.72	OK
	968.97	15.80	1.520E+00	9.165E-01	9.165E-01	32.47	OK
TH-228	74.82	10.28	4.501E+00	1.621E+00	1.621E+00	25.44	OK
	77.11	17.10	4.745E+00	1.406E+00	1.406E+00	17.82	OK
	238.63	43.60*	4.635E+00	9.490E-01	9.490E-01	9.98	OK
	300.09	3.30	3.912E+00	9.454E-01	9.454E-01	106.99	OK
TH-230	74.82	5.80	4.501E+00	2.873E+00	2.873E+00	25.44	OK
	77.11	9.70	4.745E+00	2.479E+00	2.479E+00	17.82	OK
	87.09	3.41	5.581E+00	2.060E+00	2.060E+00	54.37	OK
	242.00	7.25	4.592E+00	1.873E+00	1.873E+00	23.42	OK
	295.22	18.42	3.963E+00	1.008E+00	1.008E+00	24.66	OK
	351.93	35.60*	3.473E+00	1.133E+00	1.133E+00	12.74	OK
PA-231	283.69	1.70	4.082E+00	----- Line Not Found		-----	Absent
	301.36	5.35*	3.912E+00	5.832E-01	5.832E-01	106.99	OK
TH-232	105.21	1.10	6.321E+00	2.391E+00	2.391E+00	104.95	OK
	338.32	11.27	3.577E+00	9.252E-01	9.252E-01	33.50	OK
	835.71	1.61	1.733E+00	----- Line Not Found		-----	Absent
	911.20	25.80*	1.606E+00	8.363E-01	8.363E-01	34.72	OK
	968.97	15.80	1.520E+00	9.165E-01	9.165E-01	32.47	OK
TH-234	63.29	3.70*	3.016E+00	1.672E+00	1.672E+00	96.02	OK
	92.59	4.23	5.927E+00	2.136E+00	2.136E+00	46.07	OK
U-234	74.82	5.80	4.501E+00	2.873E+00	2.873E+00	25.44	OK
	77.11	9.70	4.745E+00	2.479E+00	2.479E+00	17.82	OK
	87.09	3.41	5.581E+00	2.060E+00	2.060E+00	54.37	OK
	242.00	7.25	4.592E+00	1.873E+00	1.873E+00	23.42	OK
	295.22	18.42	3.963E+00	1.008E+00	1.008E+00	24.66	OK
	351.93	35.60*	3.473E+00	1.133E+00	1.133E+00	12.74	OK
U-238	63.29	3.70*	3.016E+00	1.672E+00	1.672E+00	96.02	OK
	92.59	4.23	5.927E+00	2.136E+00	2.136E+00	46.07	OK
AM-243	43.53	5.90	5.225E-01	----- Line Not Found		-----	Absent
	74.66	67.20*	4.501E+00	2.480E-01	2.480E-01	25.44	OK
ANH-511	511.00	100.00*	2.608E+00	6.446E-03	6.446E-03	941.35	OK

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 07:50:11.95

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G618474003.CNF;1		
Acquisition date	: 8-MAY-2023 05:49:41	Sensitivity	: 3.000
Detector ID	: GAM07	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:00.97	Half life ratio	: *****
Sample date	: 11-APR-2023 09:00:00	Analyst initials	: MJH1
Sample ID	: G618474003	Sample Quantity	: 1.3660E+02 GRAM
Batch Number	: 2414710	Wet Weight	: 0.00000
Wet wt corr	: 1.00000	Dry Weight	: 0.00000
Nuclide Library	: SOLID.NLB;17		

CALIBRATION INFORMATION

Eff. Cal. date	: 12-JUL-2022 07:00:12	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM07_CAN.CNF;21		

Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Cnt uncert (1.96-sigma)	MDA (pCi/GRAM)
BE-7	6.472E-01	8.356E-01	4.394E-01
K-40	1.584E+01	1.253E+00	3.716E-01
RU-103	2.964E-02	6.465E-02	6.219E-02
CD-109	1.977E+00	1.053E+00	1.020E+00
SN-126	1.898E-01	1.011E-01	9.209E-02
BA-137M	5.175E-02	6.976E-02	4.611E-02
CS-137	5.467E-02	7.370E-02	4.871E-02
EU-155	1.260E-01	1.296E-01	1.121E-01
HG-203	3.767E-03	5.098E-02	4.999E-02
TL-208	2.163E-01	5.009E-02	4.495E-02
BI-211	3.121E+00	3.896E-01	2.025E-01
BI-212	4.285E-01	6.882E-01	6.036E-01
PB-212	9.490E-01	9.285E-02	6.375E-02
BI-214	8.268E-01	1.349E-01	7.487E-02
PB-214	1.133E+00	1.414E-01	7.364E-02
RN-222	8.268E-01	1.349E-01	7.487E-02
RA-224	3.311E+00	7.601E-01	6.834E-01
RA-226	1.133E+00	1.414E-01	7.364E-02
AC-228	8.363E-01	2.846E-01	1.565E-01
RA-228	8.363E-01	2.846E-01	1.565E-01
TH-228	9.490E-01	9.285E-02	6.375E-02
TH-230	1.133E+00	1.414E-01	7.364E-02
PA-231	5.832E-01	6.115E-01	5.393E-01
TH-232	8.363E-01	2.846E-01	1.565E-01
TH-234	1.672E+00	1.573E+00	1.467E+00
U-234	1.133E+00	1.414E-01	7.364E-02
U-238	1.672E+00	1.573E+00	1.467E+00
AM-243	2.480E-01	6.183E-02	6.020E-02
ANH-511	6.446E-03	5.947E-02	3.810E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
NA-22	1.400E-02	3.169E-02	5.792E-02	NOT IDENT.

NA-24	0.000E+00	2.290E+11	0.000E+00	SHORT HLIF
AL-26	5.324E-03	1.506E-02	3.616E-02	NOT IDENT.
SC-46	-5.724E-03	2.668E-02	5.107E-02	FAIL ABUN
V-48	-3.578E-02	8.012E-02	1.468E-01	NOT IDENT.
CR-51	9.728E-02	3.228E-01	6.292E-01	NOT IDENT.
MN-52	-3.088E-01	7.045E-01	1.262E+00	NOT IDENT.
MN-54	1.002E-02	2.625E-02	4.988E-02	NOT IDENT.
CO-56	-1.254E-02	3.016E-02	5.172E-02	FAIL ABUN
MN-56	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CO-57	3.919E-03	1.593E-02	2.949E-02	NOT IDENT.
CO-58	2.710E-03	2.884E-02	5.360E-02	NOT IDENT.
FE-59	1.610E-02	8.408E-02	1.623E-01	NOT IDENT.
CO-60	1.039E-04	2.139E-02	4.262E-02	NOT IDENT.
ZN-65	4.292E-02	6.839E-02	1.264E-01	NOT IDENT.
GE-68	-4.036E-02	9.215E-01	1.755E+00	NOT IDENT.
AS-73	-5.102E-01	6.332E-01	1.116E+00	NOT IDENT.
AS-74	1.688E-02	8.976E-02	1.714E-01	NOT IDENT.
SE-75	-6.944E-03	2.927E-02	5.316E-02	FAIL ABUN
BR-77	0.000E+00	4.488E+02	0.000E+00	SHORT HLIF
SR-82	-3.847E-01	3.023E-01	4.503E-01	NOT IDENT.
RB-83	-8.901E-03	5.175E-02	9.509E-02	FAIL ABUN
RB-84	5.298E-03	6.063E-02	1.189E-01	NOT IDENT.
KR-85	9.077E-01	4.944E+00	8.455E+00	NOT IDENT.
SR-85	5.410E-03	2.965E-02	5.071E-02	NOT IDENT.
RB-86	-7.621E-02	8.822E-01	1.670E+00	NOT IDENT.
Y-88	1.659E-02	2.180E-02	5.394E-02	NOT IDENT.
Y-91	5.967E+00	2.000E+01	3.454E+01	NOT IDENT.
NB-94	-1.475E-02	2.488E-02	4.226E-02	NOT IDENT.
NB-95	-2.437E-03	3.840E-02	6.122E-02	NOT IDENT.
NB-95M	6.847E-02	9.474E-02	1.628E-01	NOT IDENT.
ZR-95	1.903E-03	5.222E-02	9.666E-02	NOT IDENT.
NB-97	0.000E+00	1.120E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	1.393E+11	0.000E+00	SHORT HLIF
MO-99	-4.296E+01	1.516E+02	2.692E+02	NOT IDENT.
TC-99M	0.000E+00	3.037E+30	0.000E+00	SHORT HLIF
RH-101	5.046E-03	2.195E-02	3.735E-02	NOT IDENT.
RH-102	1.523E-02	3.482E-02	6.814E-02	FAIL ABUN
RH-106	1.062E-01	1.920E-01	3.835E-01	NOT IDENT.
RU-106	1.062E-01	1.920E-01	3.835E-01	NOT IDENT.
AG-108M	-2.551E-03	1.906E-02	3.556E-02	NOT IDENT.
AG-110	4.512E-03	5.719E-01	9.407E-01	NOT IDENT.
AG-110M	-2.591E-03	3.444E-02	6.651E-02	NOT IDENT.
SN-113	7.189E-03	3.217E-02	6.183E-02	NOT IDENT.
CD-115	0.000E+00	2.759E+02	0.000E+00	SHORT HLIF
SN-117M	6.164E-02	6.408E-02	1.218E-01	NOT IDENT.
SB-122	1.356E+01	2.621E+01	5.139E+01	NOT IDENT.
TE-123M	-3.751E-04	2.033E-02	3.624E-02	NOT IDENT.
SB-124	-2.893E-02	6.692E-02	1.191E-01	NOT IDENT.
SB-125	5.301E-02	7.143E-02	1.241E-01	FAIL ABUN
TE-125M	2.928E+00	6.846E+00	1.287E+01	NOT IDENT.
I-126	2.020E-01	3.246E-01	5.768E-01	NOT IDENT.
SB-126	-3.689E-03	2.100E-01	3.634E-01	NOT IDENT.
SB-127	3.487E+00	7.277E+00	1.417E+01	NOT IDENT.
I-131	-4.755E-02	1.879E-01	3.517E-01	NOT IDENT.
I-132	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
TE-132	4.598E-01	6.478E+00	1.137E+01	NOT IDENT.
BA-133	-4.494E-03	2.498E-02	4.229E-02	NOT IDENT.
I-133	0.000E+00	4.642E+07	0.000E+00	SHORT HLIF
CS-134	4.950E-02	5.943E-02	6.118E-02	FAIL ABUN
I-135	0.000E+00	3.888E+28	0.000E+00	SHORT HLIF
CS-136	-1.754E-02	1.394E-01	2.636E-01	NOT IDENT.
LA-138	-1.246E-02	3.912E-02	7.166E-02	NOT IDENT.
CE-139	-1.597E-02	2.053E-02	3.461E-02	NOT IDENT.
BA-140	-5.868E-02	3.297E-01	6.050E-01	NOT IDENT.
LA-140	-4.650E-02	1.209E-01	1.838E-01	FAIL ABUN
CE-141	1.407E-02	5.071E-02	9.279E-02	NOT IDENT.
CE-143	0.000E+00	3.664E+04	0.000E+00	SHORT HLIF
CE-144	-3.749E-02	1.220E-01	2.165E-01	NOT IDENT.
PM-144	1.579E-02	2.286E-02	4.540E-02	FAIL ABUN
PR-144	1.180E+00	1.721E+00	3.415E+00	NOT IDENT.
PM-146	2.212E-02	2.769E-02	5.584E-02	NOT IDENT.
ND-147	8.526E-02	7.065E-01	1.351E+00	NOT IDENT.
PM-147	-1.952E+02	4.615E+02	8.173E+02	NOT IDENT.
PM-149	0.000E+00	2.276E+03	0.000E+00	SHORT HLIF
EU-150	-4.882E-03	1.857E-02	3.101E-02	FAIL ABUN
EU-152	-4.033E-02	6.329E-02	1.144E-01	FAIL ABUN
GD-153	-1.743E-02	5.636E-02	9.382E-02	NOT IDENT.
EU-154	3.944E-02	8.927E-02	1.631E-01	NOT IDENT.

TB-160	-1.442E-02	9.991E-02	1.915E-01	FAIL ABUN
HO-166M	-3.994E-02	3.977E-02	6.344E-02	FAIL ABUN
TM-171	-4.543E+00	1.267E+01	2.303E+01	NOT IDENT.
HF-172	4.991E-02	1.312E-01	2.263E-01	FAIL ABUN
LU-172	-2.194E-03	5.593E-02	9.286E-02	FAIL ABUN
LU-176	-1.068E-03	1.655E-02	3.158E-02	FAIL ABUN
HF-181	-3.391E-02	3.892E-02	5.624E-02	NOT IDENT.
TA-182	3.458E-02	1.492E-01	2.806E-01	FAIL ABUN
RE-183	-7.408E-02	1.351E-01	2.488E-01	NOT IDENT.
RE-184	1.290E-02	9.970E-02	1.978E-01	NOT IDENT.
W-188	-2.012E+00	5.557E+00	9.277E+00	FAIL ABUN
IR-192	-1.292E-02	2.433E-02	4.470E-02	FAIL ABUN
TL-204	1.764E+00	3.458E+00	6.155E+00	NOT IDENT.
BI-207	-2.028E-02	3.537E-02	6.319E-02	FAIL ABUN
BI-210	-1.117E+00	2.571E+00	4.645E+00	NOT IDENT.
PB-210	-1.117E+00	2.571E+00	4.645E+00	NOT IDENT.
PB-211	3.207E-01	4.965E-01	9.798E-01	FAIL ABUN
BI-213	-5.927E-03	6.490E-02	1.217E-01	NOT IDENT.
RN-219	1.164E-01	2.763E-01	5.380E-01	FAIL ABUN
RA-223	-2.051E-01	4.678E-01	7.669E-01	FAIL ABUN
AC-225	-4.733E-01	8.589E-01	1.442E+00	NOT IDENT.
AC-227	6.862E-03	1.495E-01	2.902E-01	FAIL ABUN
TH-227	6.862E-03	1.495E-01	2.902E-01	FAIL ABUN
TH-229	-5.752E-02	3.168E-01	5.542E-01	FAIL ABUN
TH-231	-2.051E-01	4.678E-01	7.669E-01	FAIL ABUN
PA-233	-2.411E-02	4.226E-02	7.739E-02	FAIL ABUN
PA-234	-4.555E-02	2.149E-01	4.047E-01	FAIL ABUN
PA-234M	-1.753E+00	3.400E+00	5.988E+00	NOT IDENT.
U-235	6.672E-02	1.253E-01	2.332E-01	FAIL ABUN
NP-237	-2.411E-02	4.226E-02	7.739E-02	FAIL ABUN
NP-238	0.000E+00	6.616E+02	0.000E+00	SHORT HLIF
NP-239	-1.094E-02	1.505E-01	2.745E-01	FAIL ABUN
PU-239	1.684E+02	3.703E+02	4.302E+02	FAIL ABUN
AM-241	1.106E-01	1.008E-01	1.908E-01	NOT IDENT.
CM-243	0.000E+00	1.297E-01	1.165E-01	FAIL ABUN
BK-247	-2.069E-02	5.406E-02	9.077E-02	NOT IDENT.
CM-247	4.523E-03	2.541E-02	4.854E-02	FAIL ABUN
CF-249	-8.571E-03	2.620E-02	4.824E-02	NOT IDENT.
CF-251	8.450E-02	1.256E-01	1.549E-01	FAIL ABUN

VAX/VMS Nuclide Identification Report Generated 8-MAY-2023 07:50:10.36

Nuclide Line Activity Report

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
BE-7	477.60	48	10.44*	2.746E+00	4.559E-01	6.472E-01	131.74
K-40	1460.82	652	10.66*	1.061E+00	1.584E+01	1.584E+01	8.07
RU-103	497.08	16	91.00*	2.666E+00	1.843E-02	2.964E-02	222.60
	610.33	310	5.76	2.266E+00	6.530E+00	1.050E+01	16.65
CD-109	88.03	143	3.70*	5.581E+00	1.898E+00	1.977E+00	54.37
SN-126	64.28	15	9.60	3.217E+00	1.364E-01	1.364E-01	383.57
	86.94	143	8.90	5.581E+00	7.892E-01	7.892E-01	54.37
	87.57	143	37.00*	5.581E+00	1.898E-01	1.898E-01	54.37
BA-137M	661.66	36	89.90*	2.113E+00	5.166E-02	5.175E-02	137.56
CS-137	661.66	36	85.10*	2.113E+00	5.458E-02	5.467E-02	137.56
EU-155	86.55	143	30.70	5.581E+00	2.288E-01	2.313E-01	54.37
	105.31	61	21.10*	6.321E+00	1.247E-01	1.260E-01	104.95
HG-203	70.83	------	3.69	4.025E+00	------ Line Not Found		------
	72.87	------	6.19	4.270E+00	------ Line Not Found		------
	279.20	25	81.56*	4.144E+00	2.002E-02	2.987E-02	172.93
TL-208	277.37	25	6.60	4.144E+00	2.474E-01	2.474E-01	172.93
	583.19	157	85.00*	2.348E+00	2.163E-01	2.163E-01	23.63
	860.56	16	12.50	1.688E+00	2.104E-01	2.104E-01	171.14
BI-211	72.87	------	1.23	4.270E+00	------ Line Not Found		------
	351.06	510	12.92*	3.473E+00	3.121E+00	3.121E+00	12.74
BI-212	727.33	20	6.67*	1.954E+00	4.285E-01	4.285E-01	163.87
	1620.50	------	1.47	9.805E-01	------ Line Not Found		------
PB-212	74.82	273	10.28	4.501E+00	1.621E+00	1.621E+00	25.44
	77.11	415	17.10	4.745E+00	1.406E+00	1.406E+00	17.82
	238.63	698	43.60*	4.635E+00	9.490E-01	9.490E-01	9.98
	300.09	44	3.30	3.912E+00	9.454E-01	9.454E-01	106.99
BI-214	609.32	310	45.49*	2.266E+00	8.268E-01	8.268E-01	16.65
	1120.29	91	14.92	1.333E+00	1.262E+00	1.262E+00	33.86
	1764.49	64	15.30	9.271E-01	1.232E+00	1.232E+00	28.26
PB-214	74.82	273	5.80	4.501E+00	2.873E+00	2.873E+00	25.44
	77.11	415	9.70	4.745E+00	2.479E+00	2.479E+00	17.82
	87.09	143	3.41	5.581E+00	2.060E+00	2.060E+00	54.37
	242.00	227	7.25	4.592E+00	1.873E+00	1.873E+00	23.42
	295.22	268	18.42	3.963E+00	1.008E+00	1.008E+00	24.66
	351.93	510	35.60*	3.473E+00	1.133E+00	1.133E+00	12.74
RN-222	609.32	310	45.49*	2.266E+00	8.268E-01	8.268E-01	16.65
	1120.29	91	14.92	1.333E+00	1.262E+00	1.262E+00	33.86
	1764.49	64	15.30	9.271E-01	1.232E+00	1.232E+00	28.26
RA-224	240.99	227	4.10*	4.592E+00	3.311E+00	3.311E+00	23.42
RA-226	74.82	273	5.80	4.501E+00	2.873E+00	2.873E+00	25.44
	77.11	415	9.70	4.745E+00	2.479E+00	2.479E+00	17.82
	87.09	143	3.41	5.581E+00	2.060E+00	2.060E+00	54.37
	242.00	227	7.25	4.592E+00	1.873E+00	1.873E+00	23.42
	295.22	268	18.42	3.963E+00	1.008E+00	1.008E+00	24.66
	351.93	510	35.60*	3.473E+00	1.133E+00	1.133E+00	12.74
AC-228	105.21	61	1.10	6.321E+00	2.391E+00	2.391E+00	104.95
	338.32	136	11.27	3.577E+00	9.252E-01	9.252E-01	33.50

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	835.71	------	1.61	1.733E+00	------ Line Not Found		------
	911.20	126	25.80*	1.606E+00	8.363E-01	8.363E-01	34.72
	968.97	80	15.80	1.520E+00	9.165E-01	9.165E-01	32.47
RA-228	105.21	61	1.10	6.321E+00	2.391E+00	2.391E+00	104.95
	338.32	136	11.27	3.577E+00	9.252E-01	9.252E-01	33.50
	835.71	------	1.61	1.733E+00	------ Line Not Found		------
	911.20	126	25.80*	1.606E+00	8.363E-01	8.363E-01	34.72
	968.97	80	15.80	1.520E+00	9.165E-01	9.165E-01	32.47
TH-228	74.82	273	10.28	4.501E+00	1.621E+00	1.621E+00	25.44
	77.11	415	17.10	4.745E+00	1.406E+00	1.406E+00	17.82
	238.63	698	43.60*	4.635E+00	9.490E-01	9.490E-01	9.98
	300.09	44	3.30	3.912E+00	9.454E-01	9.454E-01	106.99
TH-230	74.82	273	5.80	4.501E+00	2.873E+00	2.873E+00	25.44
	77.11	415	9.70	4.745E+00	2.479E+00	2.479E+00	17.82
	87.09	143	3.41	5.581E+00	2.060E+00	2.060E+00	54.37
	242.00	227	7.25	4.592E+00	1.873E+00	1.873E+00	23.42
	295.22	268	18.42	3.963E+00	1.008E+00	1.008E+00	24.66
	351.93	510	35.60*	3.473E+00	1.133E+00	1.133E+00	12.74
PA-231	283.69	------	1.70	4.082E+00	------ Line Not Found		------
	301.36	44	5.35*	3.912E+00	5.832E-01	5.832E-01	106.99
TH-232	105.21	61	1.10	6.321E+00	2.391E+00	2.391E+00	104.95
	338.32	136	11.27	3.577E+00	9.252E-01	9.252E-01	33.50
	835.71	------	1.61	1.733E+00	------ Line Not Found		------
	911.20	126	25.80*	1.606E+00	8.363E-01	8.363E-01	34.72
	968.97	80	15.80	1.520E+00	9.165E-01	9.165E-01	32.47
TH-234	63.29	68	3.70*	3.016E+00	1.672E+00	1.672E+00	96.02
	92.59	195	4.23	5.927E+00	2.136E+00	2.136E+00	46.07
U-234	74.82	273	5.80	4.501E+00	2.873E+00	2.873E+00	25.44
	77.11	415	9.70	4.745E+00	2.479E+00	2.479E+00	17.82
	87.09	143	3.41	5.581E+00	2.060E+00	2.060E+00	54.37
	242.00	227	7.25	4.592E+00	1.873E+00	1.873E+00	23.42
	295.22	268	18.42	3.963E+00	1.008E+00	1.008E+00	24.66
	351.93	510	35.60*	3.473E+00	1.133E+00	1.133E+00	12.74
U-238	63.29	68	3.70*	3.016E+00	1.672E+00	1.672E+00	96.02
	92.59	195	4.23	5.927E+00	2.136E+00	2.136E+00	46.07
AM-243	43.53	------	5.90	5.225E-01	------ Line Not Found		------
	74.66	273	67.20*	4.501E+00	2.480E-01	2.480E-01	25.44
ANH-511	511.00	6	100.00*	2.608E+00	6.446E-03	6.446E-03	941.35

Flag: "*" = Keyline

Sample ID : G618474003 Acquisition date : 8-MAY-2023 05:49:41

Total number of lines in spectrum 54
Number of unidentified lines 14
Number of lines tentatively identified by NID 40 74.07%

Nuclide Type :

Nuclide	Hlife	Decay	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
BE-7	53.22D	1.42	4.559E-01	6.472E-01	8.526E-01	131.74	
K-40	1.25E+09Y	1.00	1.584E+01	1.584E+01	0.128E+01	8.07	
RU-103	39.26D	1.61	1.843E-02	2.964E-02	6.597E-02	222.60	
CD-109	461.40D	1.04	1.898E+00	1.977E+00	1.075E+00	54.37	
SN-126	2.30E+05Y	1.00	1.898E-01	1.898E-01	1.032E-01	54.37	
BA-137M	30.08Y	1.00	5.166E-02	5.175E-02	7.119E-02	137.56	
CS-137	30.08Y	1.00	5.458E-02	5.467E-02	7.520E-02	137.56	
EU-155	4.75Y	1.01	1.247E-01	1.260E-01	1.322E-01	104.95	
HG-203	46.59D	1.49	2.002E-02	2.987E-02	5.166E-02	172.93	
TL-208	1.41E+10Y	1.00	2.163E-01	2.163E-01	0.511E-01	23.63	
BI-211	7.04E+08Y	1.00	3.121E+00	3.121E+00	0.398E+00	12.74	
BI-212	1.41E+10Y	1.00	4.285E-01	4.285E-01	7.023E-01	163.87	
PB-212	1.41E+10Y	1.00	9.490E-01	9.490E-01	0.947E-01	9.98	
BI-214	1600.00Y	1.00	8.268E-01	8.268E-01	1.376E-01	16.65	
PB-214	1600.00Y	1.00	1.133E+00	1.133E+00	0.144E+00	12.74	
RN-222	1600.00Y	1.00	8.268E-01	8.268E-01	1.376E-01	16.65	
RA-224	1.41E+10Y	1.00	3.311E+00	3.311E+00	0.776E+00	23.42	
RA-226	1600.00Y	1.00	1.133E+00	1.133E+00	0.144E+00	12.74	
AC-228	1.41E+10Y	1.00	8.363E-01	8.363E-01	2.904E-01	34.72	
RA-228	1.41E+10Y	1.00	8.363E-01	8.363E-01	2.904E-01	34.72	
TH-228	1.41E+10Y	1.00	9.490E-01	9.490E-01	0.947E-01	9.98	
TH-230	7.54E+04Y	1.00	1.133E+00	1.133E+00	0.144E+00	12.74	
PA-231	7.04E+08Y	1.00	5.832E-01	5.832E-01	6.240E-01	106.99	
TH-232	1.41E+10Y	1.00	8.363E-01	8.363E-01	2.904E-01	34.72	
TH-234	4.47E+09Y	1.00	1.672E+00	1.672E+00	1.605E+00	96.02	
U-234	2.45E+05Y	1.00	1.133E+00	1.133E+00	0.144E+00	12.74	
U-238	4.47E+09Y	1.00	1.672E+00	1.672E+00	1.605E+00	96.02	
AM-243	7370.00Y	1.00	2.480E-01	2.480E-01	0.631E-01	25.44	
ANH-511	1.00E+09Y	1.00	6.446E-03	6.446E-03	60.68E-03	941.35	
Total Activity :			4.050E+01	4.080E+01			

Grand Total Activity : 4.050E+01 4.080E+01

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

Sample ID : G618474003 Acquisition date : 8-MAY-2023 05:49:41

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
0	129.42	25	234	0.83	259.35	256	7	2.99E-03	****	6.42E+00	T
0	178.24	30	155	0.67	356.94	354	7	3.69E-03	****	5.63E+00	T
0	185.79	102	264	1.11	372.05	367	10	1.26E-02	68.8	5.49E+00	T
0	209.79	109	175	1.32	420.02	415	10	1.36E-02	52.7	5.07E+00	T
0	270.38	53	156	1.03	541.15	535	11	6.79E-03	98.9	4.23E+00	T
0	327.75	24	111	0.94	655.84	653	8	3.11E-03	****	3.66E+00	T
0	427.62	17	44	1.20	855.50	852	6	2.22E-03	****	2.99E+00	T
0	464.17	102	48	4.74	928.59	922	15	1.35E-02	36.3	2.81E+00	T
0	551.08	19	57	3.75	1102.35	1095	11	2.50E-03	****	2.46E+00	T
0	557.80	29	42	2.60	1115.78	1111	10	3.94E-03	91.7	2.43E+00	
0	768.19	23	30	0.92	1536.43	1532	8	3.20E-03	93.9	1.87E+00	T
0	795.90	27	50	0.83	1591.83	1582	15	3.75E-03	****	1.81E+00	T
0	821.34	17	36	1.27	1642.71	1638	12	2.36E-03	****	1.76E+00	
1	964.34	41	13	2.00	1928.64	1922	24	5.75E-03	51.5	1.53E+00	T
0	1102.81	23	53	6.36	2205.52	2192	18	3.19E-03	****	1.35E+00	
0	1212.38	53	78	4.84	2424.63	2409	27	7.56E-03	95.9	1.24E+00	
0	1238.28	38	34	1.95	2476.42	2472	11	5.47E-03	68.2	1.22E+00	T
0	1280.00	13	25	1.19	2559.84	2555	10	1.87E-03	****	1.18E+00	
0	1317.01	7	24	3.78	2633.86	2622	15	9.98E-04	****	1.16E+00	
0	1483.54	11	6	1.75	2966.89	2958	12	1.58E-03	****	1.05E+00	
0	1496.85	14	2	1.38	2993.50	2988	12	2.01E-03	70.3	1.04E+00	
0	1508.89	12	11	2.36	3017.57	3005	15	1.68E-03	****	1.03E+00	
0	1590.00	19	26	5.42	3179.80	3166	22	2.85E-03	****	9.94E-01	
0	1630.57	14	0	1.24	3260.93	3257	9	2.08E-03	51.6	9.76E-01	
0	1729.29	24	6	2.33	3458.36	3452	13	3.50E-03	57.8	9.39E-01	
0	1846.33	17	0	0.60	3692.44	3686	11	2.50E-03	47.1	9.03E-01	
0	1928.75	5	5	1.54	3857.29	3852	8	7.20E-04	****	8.83E-01	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 07:50:21.98

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*****************************************************************************
*                            GEL Laboratories LLC                           *
*                              2040 Savage Road                             *
*                            Charleston, SC 29407                           *
*****************************************************************************
*                                                                           *
*                          DETECTOR AND SAMPLE DATA                         *
*                                                                           *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G618474003.CNF;1   *
* Acquisition date :  8-MAY-2023 05:49:41 Sensitivity     : 3.000           *
* Detector ID      : GAM07                Energy tolerance: 1.500           *
* Elapsed live time:    0 02:00:00.00     Abundance limit : 75.000          *
* Elapsed real time:    0 02:00:00.97     Half life ratio : *****           *
* Sample date      : 11-APR-2023 09:00:00 Nuclide Library : SOLID           *
* Sample ID        : G618474003           Analyst initials: MJH1            *
* Batch Number     : 2414710              Sample Quantity : 1.3660E+02 GRAM *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000      *
*                                         Dry Weight      :    0.00000      *
*****************************************************************************
*                                                                           *
*                          CALIBRATION INFORMATION                          *
*                                                                           *
* Eff. Cal. date   : 12-JUL-2022 07:00:12 Eff. Geometry   : CAN             *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM07_CAN.CNF;21            *
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Combined Critical Level Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)
BE-7	2.009E-01
K-40	1.529E-01
RU-103	2.858E-02
CD-109	4.904E-01
SN-126	4.417E-02
BA-137M	2.107E-02
CS-137	2.226E-02
EU-155	5.309E-02
HG-203	2.330E-02
TL-208	2.058E-02
BI-211	9.276E-02
BI-212	2.729E-01
PB-212	2.998E-02
BI-214	3.377E-02
PB-214	3.374E-02
RN-222	3.377E-02
RA-224	3.214E-01
RA-226	3.374E-02
AC-228	6.919E-02
RA-228	6.919E-02
TH-228	2.998E-02
TH-230	3.374E-02
PA-231	2.514E-01
TH-232	6.919E-02
TH-234	6.986E-01
U-234	3.374E-02
U-238	6.986E-01
AM-243	2.881E-02
ANH-511	1.760E-02

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
NA-22	2.576E-02	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF

AL-26	1.401E-02	NOT IDENT.
SC-46	2.268E-02	FAIL ABUN
V-48	6.535E-02	NOT IDENT.
CR-51	2.944E-01	NOT IDENT.
MN-52	5.337E-01	NOT IDENT.
MN-54	2.264E-02	NOT IDENT.
CO-56	2.307E-02	FAIL ABUN
MN-56	0.000E+00	SHORT HLIF
CO-57	1.400E-02	NOT IDENT.
CO-58	2.404E-02	NOT IDENT.
FE-59	7.375E-02	NOT IDENT.
CO-60	1.802E-02	NOT IDENT.
ZN-65	5.727E-02	NOT IDENT.
GE-68	7.877E-01	NOT IDENT.
AS-73	5.286E-01	NOT IDENT.
AS-74	7.778E-02	NOT IDENT.
SE-75	2.481E-02	FAIL ABUN
BR-77	0.000E+00	SHORT HLIF
SR-82	1.969E-01	NOT IDENT.
RB-83	4.348E-02	FAIL ABUN
RB-84	5.366E-02	NOT IDENT.
KR-85	3.890E+00	NOT IDENT.
SR-85	2.333E-02	NOT IDENT.
RB-86	7.499E-01	NOT IDENT.
Y-88	2.206E-02	NOT IDENT.
Y-91	1.569E+01	NOT IDENT.
NB-94	1.926E-02	NOT IDENT.
NB-95	2.791E-02	NOT IDENT.
NB-95M	7.697E-02	NOT IDENT.
ZR-95	4.343E-02	NOT IDENT.
NB-97	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	SHORT HLIF
MO-99	1.203E+02	NOT IDENT.
TC-99M	0.000E+00	SHORT HLIF
RH-101	1.778E-02	NOT IDENT.
RH-102	3.097E-02	FAIL ABUN
RH-106	1.738E-01	NOT IDENT.
RU-106	1.738E-01	NOT IDENT.
AG-108M	1.636E-02	NOT IDENT.
AG-110	4.279E-01	NOT IDENT.
AG-110M	2.988E-02	NOT IDENT.
SN-113	2.877E-02	NOT IDENT.
CD-115	0.000E+00	SHORT HLIF
SN-117M	5.799E-02	NOT IDENT.
SB-122	2.359E+01	NOT IDENT.
TE-123M	1.722E-02	NOT IDENT.
SB-124	4.837E-02	NOT IDENT.
SB-125	5.771E-02	FAIL ABUN
TE-125M	6.123E+00	NOT IDENT.
I-126	2.654E-01	NOT IDENT.
SB-126	1.656E-01	NOT IDENT.
SB-127	6.454E+00	NOT IDENT.
I-131	1.617E-01	NOT IDENT.
I-132	0.000E+00	SHORT HLIF
TE-132	5.377E+00	NOT IDENT.
BA-133	1.935E-02	NOT IDENT.
I-133	0.000E+00	SHORT HLIF
CS-134	2.810E-02	FAIL ABUN
I-135	0.000E+00	SHORT HLIF
CS-136	1.182E-01	NOT IDENT.
LA-138	3.054E-02	NOT IDENT.
CE-139	1.636E-02	NOT IDENT.
BA-140	2.758E-01	NOT IDENT.
LA-140	7.490E-02	FAIL ABUN
CE-141	4.411E-02	NOT IDENT.
CE-143	0.000E+00	SHORT HLIF
CE-144	1.024E-01	NOT IDENT.
PM-144	2.073E-02	FAIL ABUN
PR-144	1.560E+00	NOT IDENT.
PM-146	2.586E-02	NOT IDENT.
ND-147	6.132E-01	NOT IDENT.
PM-147	3.872E+02	NOT IDENT.
PM-149	0.000E+00	SHORT HLIF
EU-150	1.440E-02	FAIL ABUN
EU-152	5.314E-02	FAIL ABUN
GD-153	4.454E-02	NOT IDENT.
EU-154	7.256E-02	NOT IDENT.
TB-160	8.600E-02	FAIL ABUN

HO-166M	2.822E-02	FAIL ABUN
TM-171	1.094E+01	NOT IDENT.
HF-172	1.077E-01	FAIL ABUN
LU-172	4.196E-02	FAIL ABUN
LU-176	1.473E-02	FAIL ABUN
HF-181	2.544E-02	NOT IDENT.
TA-182	1.271E-01	FAIL ABUN
RE-183	1.178E-01	NOT IDENT.
RE-184	8.860E-02	NOT IDENT.
W-188	4.329E+00	FAIL ABUN
IR-192	2.077E-02	FAIL ABUN
TL-204	2.953E+00	NOT IDENT.
BI-207	2.800E-02	FAIL ABUN
BI-210	2.206E+00	NOT IDENT.
PB-210	2.206E+00	NOT IDENT.
PB-211	4.577E-01	FAIL ABUN
BI-213	5.586E-02	NOT IDENT.
RN-219	2.507E-01	FAIL ABUN
RA-223	3.576E-01	FAIL ABUN
AC-225	6.770E-01	NOT IDENT.
AC-227	1.359E-01	FAIL ABUN
TH-227	1.359E-01	FAIL ABUN
TH-229	2.608E-01	FAIL ABUN
TH-231	3.576E-01	FAIL ABUN
PA-233	3.609E-02	FAIL ABUN
PA-234	1.823E-01	FAIL ABUN
PA-234M	2.692E+00	NOT IDENT.
U-235	1.110E-01	FAIL ABUN
NP-237	3.609E-02	FAIL ABUN
NP-238	0.000E+00	SHORT HLIF
NP-239	1.297E-01	FAIL ABUN
PU-239	2.056E+02	FAIL ABUN
AM-241	9.100E-02	NOT IDENT.
CM-243	5.530E-02	FAIL ABUN
BK-247	4.242E-02	NOT IDENT.
CM-247	2.259E-02	FAIL ABUN
CF-249	2.233E-02	NOT IDENT.
CF-251	7.354E-02	FAIL ABUN

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 07:50:26.57

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G618474003.CNF;1		
Acquisition date	: 8-MAY-2023 05:49:41	Sensitivity	: 3.000
Detector ID	: GAM07	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:00.97	Half life ratio	: *****
Sample date	: 11-APR-2023 09:00:00	Nuclide Library	: SOLID
Sample ID	: G618474003	Analyst initials	: MJH1
Batch Number	: 2414710	Sample Quantity	: 1.3660E+02 GRAM
		Quantity Err(%)	: 1.4641E-03 %
Wet wt corr	: 1.00000	Wet Weight	: 0.00000
		Dry Weight	: 0.00000

CALIBRATION INFORMATION

Eff. Cal. date	: 12-JUL-2022 07:00:12	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM07_CAN.CNF;21		

Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Act Error (1.96-sigma)	TPU (1.96-sigma)
BE-7	6.472E-01	8.374E-01	8.374E-01
K-40	1.584E+01	1.967E+00	1.967E+00
RU-103	2.964E-02	6.470E-02	6.470E-02
CD-109	1.977E+00	1.073E+00	1.073E+00
SN-126	1.898E-01	1.026E-01	1.026E-01
BA-137M	5.175E-02	6.989E-02	6.989E-02
CS-137	5.467E-02	7.384E-02	7.384E-02
EU-155	1.260E-01	1.301E-01	1.301E-01
HG-203	3.769E-03	5.112E-02	5.112E-02
TL-208	2.163E-01	5.340E-02	5.340E-02
BI-211	3.121E+00	4.685E-01	4.685E-01
BI-212	4.285E-01	6.893E-01	6.893E-01
PB-212	9.490E-01	1.214E-01	1.214E-01
BI-214	8.268E-01	1.520E-01	1.520E-01
PB-214	1.133E+00	1.690E-01	1.690E-01
RN-222	8.268E-01	1.520E-01	1.520E-01
RA-224	3.311E+00	8.079E-01	8.079E-01
RA-226	1.133E+00	1.690E-01	1.690E-01
AC-228	8.363E-01	2.954E-01	2.954E-01
RA-228	8.363E-01	2.954E-01	2.954E-01
TH-228	9.490E-01	1.214E-01	1.214E-01
TH-230	1.133E+00	1.690E-01	1.690E-01
PA-231	5.832E-01	6.252E-01	6.252E-01
TH-232	8.363E-01	2.954E-01	2.954E-01
TH-234	1.672E+00	1.620E+00	1.620E+00
U-234	1.133E+00	1.690E-01	1.690E-01
U-238	1.672E+00	1.620E+00	1.620E+00
AM-243	2.480E-01	6.542E-02	6.542E-02
ANH-511	6.446E-03	5.947E-02	5.947E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
NA-22	1.400E-02	3.172E-02	3.234E-02	NOT IDENT.

NA-24	-1.268E+11	2.294E+11	2.364E+11	SHORT HLIF
AL-26	5.324E-03	1.507E-02	1.526E-02	NOT IDENT.
SC-46	-5.724E-03	2.669E-02	2.681E-02	FAIL ABUN
V-48	-3.578E-02	8.019E-02	8.179E-02	NOT IDENT.
CR-51	9.728E-02	3.229E-01	3.259E-01	NOT IDENT.
MN-52	-3.088E-01	7.050E-01	7.186E-01	NOT IDENT.
MN-54	1.002E-02	2.626E-02	2.665E-02	NOT IDENT.
CO-56	-1.254E-02	3.018E-02	3.070E-02	FAIL ABUN
MN-56	-1.000E+41	2.407E+41	0.000E+00	SHORT HLIF
CO-57	3.919E-03	1.593E-02	1.603E-02	NOT IDENT.
CO-58	2.710E-03	2.884E-02	2.887E-02	NOT IDENT.
FE-59	1.610E-02	8.410E-02	8.441E-02	NOT IDENT.
CO-60	1.039E-04	2.139E-02	2.139E-02	NOT IDENT.
ZN-65	4.292E-02	6.848E-02	7.116E-02	NOT IDENT.
GE-68	-4.036E-02	9.215E-01	9.217E-01	NOT IDENT.
AS-73	-5.102E-01	6.429E-01	6.828E-01	NOT IDENT.
AS-74	1.688E-02	8.977E-02	9.010E-02	NOT IDENT.
SE-75	-6.944E-03	2.928E-02	2.944E-02	FAIL ABUN
BR-77	4.587E+03	3.609E+03	4.159E+03	SHORT HLIF
SR-82	-3.847E-01	3.042E-01	3.501E-01	NOT IDENT.
RB-83	-8.901E-03	5.177E-02	5.192E-02	FAIL ABUN
RB-84	5.298E-03	6.063E-02	6.068E-02	NOT IDENT.
KR-85	9.077E-01	4.945E+00	4.962E+00	NOT IDENT.
SR-85	5.410E-03	2.966E-02	2.976E-02	NOT IDENT.
RB-86	-7.621E-02	8.822E-01	8.829E-01	NOT IDENT.
Y-88	1.659E-02	2.184E-02	2.308E-02	NOT IDENT.
Y-91	5.967E+00	2.001E+01	2.019E+01	NOT IDENT.
NB-94	-1.475E-02	2.492E-02	2.579E-02	NOT IDENT.
NB-95	-2.437E-03	3.840E-02	3.842E-02	NOT IDENT.
NB-95M	6.847E-02	9.499E-02	9.988E-02	NOT IDENT.
ZR-95	1.903E-03	5.222E-02	5.223E-02	NOT IDENT.
NB-97	1.000E+41	1.123E+41	0.000E+00	SHORT HLIF
ZR-97	8.804E+10	1.395E+11	1.450E+11	SHORT HLIF
MO-99	-4.296E+01	1.517E+02	1.529E+02	NOT IDENT.
TC-99M	-2.608E+30	3.052E+30	0.000E+00	SHORT HLIF
RH-101	5.046E-03	2.197E-02	2.209E-02	NOT IDENT.
RH-102	1.523E-02	3.486E-02	3.553E-02	FAIL ABUN
RH-106	1.062E-01	1.923E-01	1.981E-01	NOT IDENT.
RU-106	1.062E-01	1.923E-01	1.981E-01	NOT IDENT.
AG-108M	-2.551E-03	1.906E-02	1.909E-02	NOT IDENT.
AG-110	4.512E-03	5.719E-01	5.719E-01	NOT IDENT.
AG-110M	-2.591E-03	3.444E-02	3.446E-02	NOT IDENT.
SN-113	7.189E-03	3.217E-02	3.233E-02	NOT IDENT.
CD-115	5.174E+01	2.759E+02	2.769E+02	SHORT HLIF
SN-117M	6.164E-02	6.425E-02	7.000E-02	NOT IDENT.
SB-122	1.356E+01	2.623E+01	2.693E+01	NOT IDENT.
TE-123M	-3.751E-04	2.033E-02	2.033E-02	NOT IDENT.
SB-124	-2.893E-02	6.697E-02	6.823E-02	NOT IDENT.
SB-125	5.301E-02	7.157E-02	7.546E-02	FAIL ABUN
TE-125M	2.928E+00	6.850E+00	6.976E+00	NOT IDENT.
I-126	2.020E-01	3.251E-01	3.376E-01	NOT IDENT.
SB-126	-3.689E-03	2.100E-01	2.100E-01	NOT IDENT.
SB-127	3.487E+00	7.295E+00	7.463E+00	NOT IDENT.
I-131	-4.755E-02	1.879E-01	1.891E-01	NOT IDENT.
I-132	1.000E+41	5.155E+41	0.000E+00	SHORT HLIF
TE-132	4.598E-01	6.478E+00	6.481E+00	NOT IDENT.
BA-133	-4.494E-03	2.498E-02	2.506E-02	NOT IDENT.
I-133	-2.946E+07	4.676E+07	4.861E+07	SHORT HLIF
CS-134	4.950E-02	5.959E-02	6.363E-02	FAIL ABUN
I-135	-1.908E+28	4.062E+28	0.000E+00	SHORT HLIF
CS-136	-1.754E-02	1.394E-01	1.396E-01	NOT IDENT.
LA-138	-1.246E-02	3.914E-02	3.954E-02	NOT IDENT.
CE-139	-1.597E-02	2.081E-02	2.202E-02	NOT IDENT.
BA-140	-5.868E-02	3.297E-01	3.307E-01	NOT IDENT.
LA-140	-4.650E-02	1.210E-01	1.228E-01	FAIL ABUN
CE-141	1.407E-02	5.072E-02	5.111E-02	NOT IDENT.
CE-143	2.277E+04	3.669E+04	3.809E+04	SHORT HLIF
CE-144	-3.749E-02	1.220E-01	1.232E-01	NOT IDENT.
PM-144	1.579E-02	2.290E-02	2.398E-02	FAIL ABUN
PR-144	1.180E+00	1.724E+00	1.804E+00	NOT IDENT.
PM-146	2.212E-02	2.779E-02	2.952E-02	NOT IDENT.
ND-147	8.526E-02	7.066E-01	7.076E-01	NOT IDENT.
PM-147	-1.952E+02	4.618E+02	4.701E+02	NOT IDENT.
PM-149	-2.510E+01	2.276E+03	2.276E+03	SHORT HLIF
EU-150	-4.882E-03	1.858E-02	1.871E-02	FAIL ABUN
EU-152	-4.033E-02	6.339E-02	6.595E-02	FAIL ABUN
GD-153	-1.743E-02	5.637E-02	5.692E-02	NOT IDENT.
EU-154	3.944E-02	8.934E-02	9.109E-02	NOT IDENT.

TB-160	-1.442E-02	9.992E-02	1.001E-01	FAIL ABUN
HO-166M	-3.994E-02	3.993E-02	4.380E-02	FAIL ABUN
TM-171	-4.543E+00	1.268E+01	1.284E+01	NOT IDENT.
HF-172	4.991E-02	1.315E-01	1.334E-01	FAIL ABUN
LU-172	-2.194E-03	5.593E-02	5.594E-02	FAIL ABUN
LU-176	-1.068E-03	1.655E-02	1.656E-02	FAIL ABUN
HF-181	-3.391E-02	3.903E-02	4.192E-02	NOT IDENT.
TA-182	3.458E-02	1.492E-01	1.500E-01	FAIL ABUN
RE-183	-7.408E-02	1.355E-01	1.395E-01	NOT IDENT.
RE-184	1.290E-02	9.971E-02	9.988E-02	NOT IDENT.
W-188	-2.012E+00	5.563E+00	5.637E+00	FAIL ABUN
IR-192	-1.292E-02	2.435E-02	2.504E-02	FAIL ABUN
TL-204	1.764E+00	3.463E+00	3.553E+00	NOT IDENT.
BI-207	-2.028E-02	3.541E-02	3.657E-02	FAIL ABUN
BI-210	-1.117E+00	2.574E+00	2.623E+00	NOT IDENT.
PB-210	-1.117E+00	2.574E+00	2.623E+00	NOT IDENT.
PB-211	3.207E-01	4.973E-01	5.179E-01	FAIL ABUN
BI-213	-5.927E-03	6.490E-02	6.495E-02	NOT IDENT.
RN-219	1.164E-01	2.768E-01	2.818E-01	FAIL ABUN
RA-223	-2.051E-01	4.682E-01	4.772E-01	FAIL ABUN
AC-225	-4.733E-01	8.603E-01	8.863E-01	NOT IDENT.
AC-227	6.862E-03	1.495E-01	1.495E-01	FAIL ABUN
TH-227	6.862E-03	1.495E-01	1.495E-01	FAIL ABUN
TH-229	-5.752E-02	3.168E-01	3.179E-01	FAIL ABUN
TH-231	-2.051E-01	4.682E-01	4.772E-01	FAIL ABUN
PA-233	-2.411E-02	4.230E-02	4.368E-02	FAIL ABUN
PA-234	-4.555E-02	2.212E-01	2.221E-01	FAIL ABUN
PA-234M	-1.753E+00	3.404E+00	3.495E+00	NOT IDENT.
U-235	6.672E-02	1.255E-01	1.290E-01	FAIL ABUN
NP-237	-2.411E-02	4.230E-02	4.368E-02	FAIL ABUN
NP-238	1.996E+00	6.616E+02	6.616E+02	SHORT HLIF
NP-239	-1.094E-02	1.505E-01	1.505E-01	FAIL ABUN
PU-239	1.684E+02	3.705E+02	3.782E+02	FAIL ABUN
AM-241	1.106E-01	1.015E-01	1.131E-01	NOT IDENT.
CM-243	1.261E-01	1.304E-01	1.422E-01	FAIL ABUN
BK-247	-2.069E-02	5.424E-02	5.503E-02	NOT IDENT.
CM-247	4.523E-03	2.543E-02	2.551E-02	FAIL ABUN
CF-249	-8.571E-03	2.622E-02	2.650E-02	NOT IDENT.
CF-251	8.450E-02	1.260E-01	1.317E-01	FAIL ABUN

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

GAMMA SPECTROSCOPY BACKGROUND REPORT

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
74.66	106.7963	81.75	144.4336	123.68	118.3813
879.38	113.9387	82.47	155.7683	125.81	116.2191
46.54	105.8902	83.79	151.4422	127.23	122.2885
228.16	113.4066	265.00	125.8032	127.91	122.4124
52.39	106.3824	193.51	164.1385	129.30	133.6143
1093.63	108.4175	105.31	183.5266	131.20	111.2895
52.39	122.7299	86.79	183.6104	133.02	115.9879
125.81	111.5734	86.94	183.6639	133.52	111.2963
53.44	123.0731	87.09	183.7175	136.00	112.7967
54.07	116.6394	87.57	183.8864	136.47	111.7648
293.27	0.0000	88.03	211.3149	739.50	122.4139
482.18	125.3356	306.78	211.4395	140.51	0.0000
57.98	121.6457	88.47	196.4824	143.76	111.7844
59.27	108.5838	143.76	170.3542	144.24	126.3991
59.32	108.5971	90.64	170.5707	145.44	115.4004
59.54	106.4126	531.02	187.8622	152.43	118.7418
60.96	138.9463	92.59	172.2213	1048.07	103.0193
61.17	139.0172	93.35	172.4621	154.21	113.3499
62.93	131.8493	94.56	172.8431	158.56	144.2916
63.29	131.9622	311.90	172.8711	159.00	123.1743
290.67	132.0527	946.00	172.8775	162.33	114.5294
87.57	132.2706	94.87	172.9399	537.26	113.4310
66.73	138.2397	97.43	127.6156	163.33	100.9121
67.24	141.0117	98.43	127.1472	165.86	124.2372
67.68	163.3720	98.44	121.9381	427.87	97.8556
1221.41	163.3975	103.37	114.8634	176.60	97.8889
70.82	166.1118	116.74	114.8634	177.52	97.9953
97.43	167.3866	100.11	111.4958	181.07	105.4317
70.82	165.8364	102.03	114.6652	181.52	96.1100
279.20	165.8416	103.18	108.2368	184.41	110.5421
1063.66	183.7440	103.37	108.2721	185.72	110.7070
72.87	183.7681	911.20	108.6108	193.51	90.2941
351.06	183.7681	105.31	108.6297	197.03	84.6808
74.66	163.2393	106.12	107.0180	198.01	95.5164
351.93	163.2943	106.47	104.2627	201.83	82.7240
238.63	163.2943	109.28	115.7210	203.43	114.0910
351.93	163.2943	111.00	124.5651	205.31	96.2683
238.63	163.2943	111.76	152.4350	210.85	90.3756
74.97	163.3469	114.06	116.6225	215.65	75.4159
77.11	164.0826	116.30	127.7766	218.12	93.8978
78.74	141.8822	116.74	99.9279	222.11	86.9310
256.23	163.6148	119.76	117.6736	227.09	78.7490
80.03	136.8861	264.66	121.1661	227.38	100.9260
133.52	136.9131	121.22	121.1849	228.16	98.5400
364.49	136.9323	344.28	112.6249	228.18	98.5413
711.68	124.9460	122.06	108.3397	235.69	79.4102
356.01	144.2165	122.92	118.2449	235.96	89.3595
323.87	144.2361	1274.44	118.2724	238.63	83.3666

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
238.98	0.0000	338.28	67.5980	531.02	30.4407
240.99	83.5537	338.32	67.5995	537.26	38.6834
242.00	83.6335	340.48	69.0620	1260.41	0.0000
244.70	78.8394	340.55	69.0651	552.55	26.6750
685.70	61.3368	344.28	70.6113	795.86	33.0078
388.16	57.1564	345.93	57.1002	564.24	33.0247
507.63	0.0000	351.06	40.0263	569.33	34.1427
256.23	72.5118	351.93	40.0514	569.50	34.1454
527.90	0.0000	355.39	0.0000	569.70	31.0437
264.66	71.3604	356.01	42.4500	583.19	39.5833
264.80	67.5456	364.49	48.6728	584.27	42.2089
265.00	77.7542	366.42	51.4963	595.83	29.3444
269.46	78.4860	372.51	54.4831	600.60	28.3601
270.03	78.5253	375.05	38.8521	602.52	0.0000
401.81	78.6058	377.52	41.6968	604.72	36.3081
273.65	87.3325	383.85	52.1115	607.14	30.0284
276.40	84.1071	388.16	58.7933	609.32	28.4766
583.19	82.4590	666.33	56.0107	610.33	28.4897
277.60	82.4746	391.69	55.1889	614.28	44.3994
402.40	79.9238	400.66	48.9267	618.01	33.8867
279.20	63.2299	401.81	53.6706	884.68	29.6839
279.54	70.9924	402.40	56.5173	621.93	23.3392
279.70	71.0025	404.85	53.7761	630.19	0.0000
280.46	73.6314	410.95	54.9331	631.29	26.6357
301.36	64.7659	413.71	65.4666	633.25	35.1914
284.31	74.3034	720.70	55.0641	634.78	38.4170
285.41	83.0195	423.72	52.9888	635.95	28.8281
285.90	0.0000	427.09	46.8806	636.99	29.9095
287.50	62.3730	427.87	40.2021	657.50	33.9584
290.67	74.2611	433.94	47.0770	657.76	33.9622
293.27	0.0000	439.40	42.4137	657.90	0.0000
295.22	83.6934	440.45	43.4052	661.66	37.7999
316.51	83.7422	453.88	37.9193	664.57	0.0000
298.58	65.5624	463.37	40.0858	666.33	32.4670
299.98	63.0117	468.07	35.2925	666.50	32.4695
300.09	63.0176	473.00	38.3422	667.71	0.0000
300.13	63.0190	631.29	38.3867	677.62	25.0131
311.90	63.0190	696.49	38.4240	685.70	27.2827
301.36	63.0820	477.60	38.4422	692.65	35.0247
302.85	63.1567	482.18	44.4708	695.00	31.7730
304.50	59.2877	487.02	46.5735	696.49	26.3115
304.85	72.4829	492.35	0.0000	696.51	26.3115
306.78	65.9943	497.08	43.3460	697.00	31.7990
308.46	52.8650	505.52	37.5389	697.30	32.9004
311.90	76.8613	507.63	0.0000	697.49	40.5802
316.51	69.1577	511.00	49.1964	702.65	46.1631
319.41	62.2042	514.00	40.7274	706.68	36.3328
320.08	64.0137	514.00	40.7274	711.68	37.5112
321.04	64.0605	520.40	41.3720	720.70	35.8792
323.87	74.8997	520.69	0.0000	721.93	0.0000
325.23	66.9434	667.71	0.0000	1690.97	39.8994
1596.21	71.1492	527.90	0.0000	722.91	28.2642
333.37	68.7009	528.26	26.3438	723.31	28.2683
333.97	63.3398	529.59	31.4327	756.73	29.9421
334.37	63.3585	529.87	0.0000	727.33	29.9806

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
733.00	22.2591	929.11	30.4981	1312.11	19.2387
735.93	26.7422	935.54	26.0688	1332.49	10.0714
737.46	23.4139	937.49	31.4827	1362.66	0.0000
739.50	27.8971	983.53	27.0447	1365.19	13.1984
1434.09	27.9500	946.00	30.6693	1368.63	0.0000
747.24	19.0288	949.00	27.0886	1384.29	12.2395
748.06	17.9154	954.55	0.0000	1408.01	12.3091
752.31	26.9180	962.31	21.7654	1434.09	14.4495
753.82	26.9346	964.08	16.3334	1435.80	14.4554
756.73	25.8413	966.17	16.3444	1457.56	0.0000
756.80	25.8422	968.97	16.3592	1460.82	7.2696
763.94	27.0420	983.53	28.3057	1489.16	9.4076
765.81	37.2096	984.45	0.0000	1505.03	10.4901
1001.03	37.2177	996.26	22.9202	1584.12	13.6625
766.84	37.2244	1001.03	29.3818	1596.21	10.2738
772.60	0.0000	1002.74	22.9668	1620.50	3.2272
776.52	35.0995	1004.73	24.8198	1621.92	9.6844
777.92	30.5870	1021.30	0.0000	1678.03	0.0000
778.90	15.8662	1025.87	0.0000	1690.97	9.8240
783.70	23.8429	1028.54	0.0000	1750.46	0.0000
1435.80	32.4208	1037.84	30.6475	1764.49	5.5386
903.28	41.0054	1038.76	0.0000	1770.23	7.0973
795.86	31.9386	1046.59	29.7988	1771.35	5.0706
801.95	26.2961	1048.07	27.0176	1791.20	0.0000
810.06	25.2289	1049.04	29.8203	1808.65	2.2345
810.29	25.2316	1050.41	27.0353	1810.72	0.0000
810.45	25.2325	1063.66	28.0792	1836.06	2.2463
810.76	24.0890	1077.00	27.2530		
815.77	23.4439	1077.34	26.3149		
818.51	22.4326	1085.87	30.1504		
832.01	32.3716	1093.63	30.2188		
834.85	26.6181	1099.45	30.2695		
835.71	28.9419	1112.07	33.2291		
836.80	0.0000	1112.84	33.2376		
846.75	0.0000	1115.54	21.2885		
846.77	29.0578	1120.29	26.6465		
856.80	33.2454	1120.55	26.6482		
860.56	33.6410	1121.30	26.6550		
871.09	24.6213	1808.65	22.9014		
873.19	23.7593	1131.51	0.0000		
875.33	0.0000	1147.95	0.0000		
879.38	28.2207	1332.49	24.1486		
880.51	29.1137	1177.95	29.0167		
881.60	27.3596	1189.05	29.1046		
883.24	22.9603	1204.77	28.0600		
884.68	27.3889	1221.41	24.6073		
889.28	23.8936	1231.02	32.3796		
894.76	17.7319	1235.36	29.8619		
1836.06	21.3025	1238.28	30.4759		
900.72	19.5454	1260.41	0.0000		
903.28	23.1198	1271.87	19.8352		
911.20	19.6152	1274.44	15.8789		
912.08	19.6213	1274.54	15.8789		
984.45	0.0000	1291.59	19.9353		
926.50	20.6135	1298.22	0.0000		

VAX/VMS Nuclide Identification Report Generated 8-MAY-2023 07:51:01.89

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205377294.CNF;1
Background file  : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM30.CNF;664
                                    Background date  : 7-MAY-2023 09:38:19.
Sample date      : 17-APR-2023 00:00:00 Acquisition date : 8-MAY-2023 05:50:23.
Sample ID        : G1205377294          Sample quantity  : 1.52970E+02 GRAM
Detector name    : GAM30                Detector geometry: CAN
Elapsed live time: 0 02:00:00.00        Elapsed real time: 0 02:00:02.01  0.0%
Energy tolerance : 1.50000 keV          Analyst Initials : MJH1
Abundance limit  : 75.00000             Sensitivity      : 3.00000
Batch ID         : 2414710              Detector SN#     :
Matrix Spike ID  :                      LCS ID           :
*************************************************************************
```

BACKGROUND CORRECTED SAMPLE PEAK REPORT

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	63.70*	5	67	0.84	127.96	124	8	6.38E-04	353.7	
2	0	69.93	16	51	1.03	140.43	137	7	2.21E-03	78.3	
3	1	75.10	23	51	1.11	150.80	146	12	3.17E-03	57.3	4.53E+00
4	1	77.10*	24	50	1.12	154.80	146	12	3.27E-03	60.5	
5	0	93.05*	26	87	1.68	186.74	181	13	3.63E-03	88.4	
6	0	112.94*	4	68	1.41	226.55	222	8	5.43E-04	406.8	
7	0	116.12	24	44	1.34	232.93	229	7	3.32E-03	50.3	
8	0	174.84	22	47	2.31	350.49	345	9	3.04E-03	60.6	
9	0	185.63*	28	69	1.21	372.09	367	12	3.84E-03	70.6	
10	0	209.80	18	71	1.75	420.49	412	10	2.50E-03	92.3	
11	0	280.09	15	29	1.35	561.21	556	7	2.03E-03	67.2	
12	0	295.56	21	36	1.34	592.19	586	11	2.96E-03	59.9	
13	0	347.38	24	32	1.76	695.95	691	10	3.39E-03	48.0	
14	0	373.80	27	22	3.87	748.83	743	13	3.71E-03	41.5	
15	0	399.53	18	29	0.61	800.36	793	14	2.54E-03	68.5	
16	0	510.74*	1	41	3.05	1023.03	1015	14	8.40E-05	*****	
17	0	569.02	17	12	1.94	1139.72	1136	7	2.33E-03	42.4	
18	0	603.66	12	26	0.71	1209.06	1204	9	1.69E-03	83.8	
19	0	610.47	7	21	0.57	1222.70	1216	9	9.87E-04	120.7	
20	0	649.23	8	13	0.72	1300.30	1291	11	1.16E-03	91.5	
21	0	769.78	18	12	3.73	1541.69	1534	16	2.47E-03	49.7	
22	0	890.05	8	9	0.88	1782.49	1778	9	1.05E-03	86.1	
23	0	970.28	20	3	0.62	1943.13	1936	14	2.74E-03	30.1	
24	0	1022.44	9	10	0.53	2047.58	2041	13	1.28E-03	77.5	
25	0	1044.12	9	5	1.05	2091.00	2085	9	1.18E-03	56.6	
26	0	1060.60	11	3	1.51	2123.98	2118	10	1.58E-03	39.6	
27	0	1135.43	12	3	0.60	2273.82	2267	12	1.67E-03	40.8	
28	0	1140.64	12	0	1.74	2284.25	2280	9	1.67E-03	28.9	
29	0	1277.42	6	3	0.59	2558.15	2554	7	8.49E-04	63.6	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 8-MAY-2023 07:51:03

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205377294.CNF;1		
Analyses by	: PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4		
Sample title	: MJH1		
Sample date	: 17-APR-2023 00:00:00	Acquisition date	: 8-MAY-2023 05:50:23
Sample ID	: G1205377294	Sample quantity	: 152.97 GRAM
Sample type	: SOLID	Sample geometry	:
Detector name	: GAMMA30	Detector geometry	: CAN
Elapsed live time	: 0 02:00:00.00	Elapsed real time	: 0 02:00:02.01 0.0%
Energy tolerance	: 1.50 keV	Half life ratio	: 10.00
Errors propagated	: No	Systematic Error	: 0.00 %
Efficiency type	: Empirical	Efficiencies at	: Peak Energy
Abundance limit	: 75.00		

Interference Report

No interference correction performed

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
HG-203	70.83	21	3.69	4.964E+00	2.781E-01	3.816E-01	156.54
	72.87	------	6.19	5.352E+00	------ Line Not Found		------
	279.20	17	81.56*	4.945E+00	1.019E-02	1.399E-02	134.35
TL-204	68.89	21	0.47	4.964E+00	2.188E+00	2.211E+00	156.54
	70.82	21	0.79*	4.964E+00	1.300E+00	1.314E+00	156.54
	80.03	------	0.28	6.145E+00	------ Line Not Found		------
	82.47	------	0.07	6.368E+00	------ Line Not Found		------
TH-234	63.29	6	3.70*	4.035E+00	9.906E-02	9.906E-02	707.46
	92.59	33	4.23	7.076E+00	2.718E-01	2.718E-01	176.71
U-238	63.29	6	3.70*	4.035E+00	9.906E-02	9.906E-02	707.46
	92.59	33	4.23	7.076E+00	2.718E-01	2.718E-01	176.71
AM-243	43.53	------	5.90	8.649E-01	------ Line Not Found		------
	74.66	30	67.20*	5.622E+00	1.916E-02	1.916E-02	114.61
ANH-511	511.00	1	100.00*	3.162E+00	5.080E-04	5.080E-04	6682.52

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 07:51:03.96

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205377294.CNF;1		
Acquisition date	: 8-MAY-2023 05:50:23	Sensitivity	: 3.000
Detector ID	: GAM30	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:02.01	Half life ratio	: *****
Sample date	: 17-APR-2023 00:00:00	Analyst initials	: MJH1
Sample ID	: G1205377294	Sample Quantity	: 1.5297E+02 GRAM
Batch Number	: 2414710	Wet Weight	: 0.00000
Wet wt corr	: 1.00000	Dry Weight	: 0.00000
Nuclide Library	: SOLID.NLB;17		

CALIBRATION INFORMATION

Eff. Cal. date	: 19-SEP-2022 10:46:20	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM30_CAN.CNF;14		

Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Cnt uncert (1.96-sigma)	MDA (pCi/GRAM)
HG-203	1.399E-02	1.842E-02	2.483E-02
TL-204	1.314E+00	2.016E+00	1.954E+00
TH-234	9.906E-02	6.868E-01	5.688E-01
U-238	9.906E-02	6.868E-01	5.688E-01
AM-243	1.916E-02	2.152E-02	2.218E-02
ANH-511	5.080E-04	3.327E-02	1.863E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	7.689E-03	9.445E-02	1.951E-01	NOT IDENT.
NA-22	-1.328E-03	1.090E-02	2.036E-02	NOT IDENT.
NA-24	0.000E+00	2.321E+08	0.000E+00	SHORT HLIF
AL-26	-7.616E-03	1.499E-02	2.046E-02	NOT IDENT.
K-40	-1.386E-01	1.813E-01	3.501E-01	NOT IDENT.
SC-46	1.138E-02	1.919E-02	3.181E-02	FAIL ABUN
V-48	2.282E-02	2.278E-02	5.779E-02	NOT IDENT.
CR-51	7.134E-03	1.272E-01	2.597E-01	NOT IDENT.
MN-52	6.080E-02	1.455E-01	3.525E-01	NOT IDENT.
MN-54	-3.271E-03	1.144E-02	2.127E-02	NOT IDENT.
CO-56	-8.828E-03	1.235E-02	2.061E-02	NOT IDENT.
MN-56	0.000E+00	1.408E+41	0.000E+00	SHORT HLIF
CO-57	-2.436E-03	7.199E-03	1.335E-02	NOT IDENT.
CO-58	3.830E-03	9.502E-03	2.176E-02	NOT IDENT.
FE-59	-6.625E-03	2.952E-02	5.932E-02	NOT IDENT.
CO-60	6.713E-03	1.162E-02	2.783E-02	NOT IDENT.
ZN-65	2.199E-02	2.818E-02	6.500E-02	NOT IDENT.
GE-68	-2.671E-01	4.337E-01	7.995E-01	NOT IDENT.
AS-73	6.481E-02	1.822E-01	3.887E-01	NOT IDENT.
AS-74	-3.746E-02	4.641E-02	7.710E-02	NOT IDENT.
SE-75	-1.706E-03	1.434E-02	2.876E-02	FAIL ABUN
BR-77	-1.111E+00	1.977E+01	3.746E+01	NOT IDENT.
SR-82	-1.141E-02	1.218E-01	2.269E-01	NOT IDENT.
RB-83	8.026E-04	2.266E-02	4.573E-02	NOT IDENT.

RB-84	2.789E-03	2.128E-02	4.446E-02	NOT IDENT.
KR-85	7.740E-01	2.601E+00	4.818E+00	NOT IDENT.
SR-85	4.358E-03	1.471E-02	2.723E-02	NOT IDENT.
RB-86	-1.445E-01	3.378E-01	6.463E-01	NOT IDENT.
Y-88	6.930E-03	1.681E-02	3.821E-02	NOT IDENT.
Y-91	1.307E+00	6.827E+00	1.413E+01	NOT IDENT.
NB-94	-6.485E-04	1.072E-02	2.086E-02	NOT IDENT.
NB-95	-6.487E-03	1.211E-02	1.823E-02	NOT IDENT.
NB-95M	-1.553E-02	3.915E-02	6.864E-02	NOT IDENT.
ZR-95	1.472E-02	2.252E-02	5.027E-02	NOT IDENT.
NB-97	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	2.295E+08	0.000E+00	SHORT HLIF
MO-99	1.510E+01	1.683E+01	3.900E+01	NOT IDENT.
TC-99M	0.000E+00	2.488E+23	0.000E+00	SHORT HLIF
RH-101	-2.393E-03	8.599E-03	1.602E-02	NOT IDENT.
RH-102	5.920E-03	1.731E-02	3.627E-02	NOT IDENT.
RU-103	1.196E-02	1.189E-02	2.795E-02	FAIL ABUN
RH-106	6.555E-02	1.047E-01	2.260E-01	NOT IDENT.
RU-106	6.555E-02	1.047E-01	2.260E-01	NOT IDENT.
AG-108M	-2.883E-03	8.393E-03	1.620E-02	NOT IDENT.
CD-109	-1.226E-01	1.871E-01	3.103E-01	NOT IDENT.
AG-110	-4.045E-02	2.305E-01	4.441E-01	NOT IDENT.
AG-110M	-7.028E-03	1.618E-02	2.719E-02	NOT IDENT.
SN-113	-4.027E-03	1.276E-02	2.489E-02	NOT IDENT.
CD-115	-3.031E+00	1.990E+01	3.979E+01	NOT IDENT.
SN-117M	2.445E-05	2.124E-02	4.026E-02	NOT IDENT.
SB-122	1.042E+00	3.011E+00	6.086E+00	NOT IDENT.
TE-123M	-4.500E-04	7.942E-03	1.501E-02	NOT IDENT.
SB-124	-1.772E-02	4.043E-02	7.453E-02	NOT IDENT.
SB-125	6.748E-03	2.607E-02	5.474E-02	FAIL ABUN
TE-125M	6.397E-01	3.065E+00	5.627E+00	NOT IDENT.
I-126	7.523E-02	8.594E-02	1.978E-01	NOT IDENT.
SB-126	2.200E-02	7.199E-02	1.464E-01	NOT IDENT.
SN-126	-2.639E-03	1.643E-02	3.189E-02	FAIL ABUN
SB-127	7.890E-01	1.322E+00	2.842E+00	NOT IDENT.
I-131	3.652E-03	5.714E-02	1.170E-01	NOT IDENT.
I-132	0.000E+00	1.592E+41	0.000E+00	SHORT HLIF
TE-132	6.796E-01	7.767E-01	1.610E+00	FAIL ABUN
BA-133	4.671E-03	1.210E-02	2.566E-02	NOT IDENT.
I-133	0.000E+00	2.384E+05	0.000E+00	SHORT HLIF
CS-134	-2.539E-03	1.482E-02	2.784E-02	FAIL ABUN
I-135	0.000E+00	1.074E+22	0.000E+00	SHORT HLIF
CS-136	1.320E-02	4.294E-02	8.865E-02	NOT IDENT.
BA-137M	6.617E-03	1.170E-02	2.496E-02	NOT IDENT.
CS-137	6.990E-03	1.236E-02	2.637E-02	NOT IDENT.
LA-138	-7.651E-03	1.828E-02	3.495E-02	NOT IDENT.
CE-139	4.025E-03	8.512E-03	1.699E-02	NOT IDENT.
BA-140	3.710E-02	1.311E-01	2.679E-01	NOT IDENT.
LA-140	-1.342E-02	4.588E-02	8.918E-02	NOT IDENT.
CE-141	6.719E-04	1.981E-02	3.627E-02	NOT IDENT.
CE-143	0.000E+00	8.801E+02	0.000E+00	SHORT HLIF
CE-144	1.375E-02	6.022E-02	1.172E-01	NOT IDENT.
PM-144	1.420E-03	1.107E-02	2.224E-02	NOT IDENT.
PR-144	1.098E-01	8.317E-01	1.672E+00	NOT IDENT.
PM-146	2.851E-03	1.212E-02	2.536E-02	NOT IDENT.
ND-147	3.985E-02	2.458E-01	5.074E-01	NOT IDENT.
PM-147	1.871E+02	2.016E+02	4.266E+02	NOT IDENT.
PM-149	-1.660E+02	2.145E+02	3.581E+02	NOT IDENT.
EU-150	8.038E-03	8.520E-03	1.873E-02	NOT IDENT.
EU-152	-1.262E-03	2.967E-02	5.411E-02	NOT IDENT.
GD-153	-2.971E-03	2.053E-02	3.675E-02	FAIL ABUN
EU-154	-2.281E-03	3.122E-02	5.928E-02	NOT IDENT.
EU-155	-9.194E-03	2.333E-02	4.380E-02	NOT IDENT.
TB-160	-7.578E-03	4.066E-02	7.817E-02	NOT IDENT.
HO-166M	-1.177E-02	2.033E-02	3.586E-02	FAIL ABUN
TM-171	4.718E-01	3.858E+00	7.988E+00	NOT IDENT.
HF-172	-2.385E-03	4.970E-02	9.548E-02	FAIL ABUN
LU-172	-1.586E-02	2.694E-02	4.285E-02	FAIL ABUN
LU-176	-2.339E-03	7.608E-03	1.497E-02	NOT IDENT.
HF-181	-6.314E-03	1.414E-02	2.662E-02	FAIL ABUN
TA-182	-2.798E-03	2.991E-02	6.881E-02	NOT IDENT.
RE-183	1.082E-02	4.678E-02	9.692E-02	NOT IDENT.
RE-184	-5.092E-03	5.134E-02	9.735E-02	NOT IDENT.
W-188	7.715E-01	2.598E+00	4.926E+00	FAIL ABUN
IR-192	3.984E-03	1.093E-02	2.305E-02	FAIL ABUN
BI-207	6.183E-03	1.205E-02	2.789E-02	FAIL ABUN
TL-208	-2.397E-03	1.445E-02	2.471E-02	NOT IDENT.
BI-210	-8.649E-01	8.506E-01	1.394E+00	NOT IDENT.

PB-210	-8.649E-01	8.506E-01	1.394E+00	NOT IDENT.
BI-211	-1.086E-02	7.802E-02	1.293E-01	NOT IDENT.
PB-211	-1.048E-01	2.514E-01	4.207E-01	NOT IDENT.
BI-212	-2.141E-02	1.515E-01	2.928E-01	NOT IDENT.
PB-212	-4.041E-03	2.081E-02	3.897E-02	FAIL ABUN
BI-213	1.083E-02	3.666E-02	7.505E-02	NOT IDENT.
BI-214	1.486E-02	3.515E-02	5.165E-02	FAIL ABUN
PB-214	9.791E-03	2.877E-02	5.112E-02	FAIL ABUN
RN-219	-3.246E-02	1.145E-01	1.995E-01	NOT IDENT.
RN-222	1.486E-02	3.515E-02	5.165E-02	FAIL ABUN
RA-223	-1.112E-01	2.014E-01	3.816E-01	NOT IDENT.
RA-224	-7.804E-02	2.071E-01	3.621E-01	NOT IDENT.
AC-225	5.855E-02	2.774E-01	5.283E-01	NOT IDENT.
RA-226	9.791E-03	2.877E-02	5.112E-02	FAIL ABUN
AC-227	6.658E-02	8.005E-02	1.631E-01	NOT IDENT.
TH-227	6.658E-02	8.005E-02	1.631E-01	NOT IDENT.
AC-228	-3.921E-02	5.751E-02	9.427E-02	FAIL ABUN
RA-228	-3.921E-02	5.751E-02	9.427E-02	FAIL ABUN
TH-228	-4.041E-03	2.081E-02	3.897E-02	FAIL ABUN
TH-229	-1.333E-01	1.562E-01	2.612E-01	FAIL ABUN
TH-230	9.791E-03	2.877E-02	5.112E-02	FAIL ABUN
PA-231	1.189E-01	1.381E-01	3.044E-01	NOT IDENT.
TH-231	-1.112E-01	2.014E-01	3.816E-01	NOT IDENT.
TH-232	-3.921E-02	5.751E-02	9.427E-02	FAIL ABUN
PA-233	3.648E-03	1.946E-02	4.023E-02	NOT IDENT.
PA-234	5.517E-02	1.002E-01	2.163E-01	FAIL ABUN
PA-234M	1.312E+00	1.450E+00	3.327E+00	NOT IDENT.
U-234	9.791E-03	2.877E-02	5.112E-02	FAIL ABUN
U-235	-2.690E-02	5.518E-02	9.462E-02	FAIL ABUN
NP-237	3.648E-03	1.946E-02	4.023E-02	NOT IDENT.
NP-238	0.000E+00	4.249E+01	0.000E+00	SHORT HLIF
NP-239	1.212E-01	1.195E-01	1.552E-01	FAIL ABUN
PU-239	2.124E+01	9.318E+01	1.830E+02	FAIL ABUN
AM-241	-1.358E-02	3.245E-02	5.756E-02	NOT IDENT.
CM-243	-2.042E-04	2.329E-02	4.608E-02	NOT IDENT.
BK-247	1.561E-03	2.518E-02	5.130E-02	NOT IDENT.
CM-247	-8.699E-03	1.144E-02	1.776E-02	NOT IDENT.
CF-249	-2.019E-03	1.119E-02	2.223E-02	NOT IDENT.
CF-251	2.349E-02	3.496E-02	6.783E-02	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 8-MAY-2023 07:51:02.65

Nuclide Line Activity Report

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
HG-203	70.83	21	3.69	4.964E+00	2.781E-01	3.816E-01	156.54
	72.87	------	6.19	5.352E+00	------ Line Not Found		------
	279.20	17	81.56*	4.945E+00	1.019E-02	1.399E-02	134.35
TL-204	68.89	21	0.47	4.964E+00	2.188E+00	2.211E+00	156.54
	70.82	21	0.79*	4.964E+00	1.300E+00	1.314E+00	156.54
	80.03	------	0.28	6.145E+00	------ Line Not Found		------
	82.47	------	0.07	6.368E+00	------ Line Not Found		------
TH-234	63.29	6	3.70*	4.035E+00	9.906E-02	9.906E-02	707.46
	92.59	33	4.23	7.076E+00	2.718E-01	2.718E-01	176.71
U-238	63.29	6	3.70*	4.035E+00	9.906E-02	9.906E-02	707.46
	92.59	33	4.23	7.076E+00	2.718E-01	2.718E-01	176.71
AM-243	43.53	------	5.90	8.649E-01	------ Line Not Found		------
	74.66	30	67.20*	5.622E+00	1.916E-02	1.916E-02	114.61
ANH-511	511.00	1	100.00*	3.162E+00	5.080E-04	5.080E-04	6682.52

Flag: "*" = Keyline

Sample ID : G1205377294 Acquisition date : 8-MAY-2023 05:50:23

Total number of lines in spectrum 29
Number of unidentified lines 7
Number of lines tentatively identified by NID 22 75.86%

Nuclide Type :

Nuclide	Hlife	Decay	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
HG-203	46.59D	1.37	1.019E-02	1.399E-02	1.880E-02	134.35	
TL-204	3.78Y	1.01	1.300E+00	1.314E+00	2.058E+00	156.54	
TH-234	4.47E+09Y	1.00	9.906E-02	9.906E-02	70.08E-02	707.46	
U-238	4.47E+09Y	1.00	9.906E-02	9.906E-02	70.08E-02	707.46	
AM-243	7370.00Y	1.00	1.916E-02	1.916E-02	2.196E-02	114.61	
ANH-511	1.00E+09Y	1.00	5.080E-04	5.080E-04	339.5E-04	6682.52	
			---------	---------			
	Total Activity :		1.528E+00	1.546E+00			
	Grand Total Activity :		1.528E+00	1.546E+00			

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

Sample ID : G1205377294 Acquisition date : 8-MAY-2023 05:50:23

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
1	77.10	30	64	1.12	154.80	146	12	3.27E-03	****	5.85E+00	T
0	112.94	5	85	1.41	226.55	222	8	5.43E-04	****	7.58E+00	T
0	116.12	30	55	1.34	232.93	229	7	3.32E-03	****	7.59E+00	T
0	174.84	26	57	2.31	350.49	345	9	3.04E-03	****	6.71E+00	T
0	185.63	33	82	1.21	372.09	367	12	3.84E-03	****	6.49E+00	T
0	209.80	21	84	1.75	420.49	412	10	2.50E-03	****	6.02E+00	T
0	295.56	24	41	1.34	592.19	586	11	2.96E-03	****	4.76E+00	T
0	347.38	27	36	1.76	695.95	691	10	3.39E-03	96.1	4.23E+00	T
0	373.80	30	25	3.87	748.83	743	13	3.71E-03	83.0	4.01E+00	T
0	399.53	20	32	0.61	800.36	793	14	2.54E-03	****	3.82E+00	T
0	569.02	18	13	1.94	1139.72	1136	7	2.33E-03	84.8	2.90E+00	T
0	603.66	13	27	0.71	1209.06	1204	9	1.69E-03	****	2.77E+00	T
0	610.47	8	22	0.57	1222.70	1216	9	9.87E-04	****	2.74E+00	T
0	649.23	9	13	0.72	1300.30	1291	11	1.16E-03	****	2.61E+00	
0	769.78	18	13	3.73	1541.69	1534	16	2.47E-03	99.4	2.25E+00	
0	890.05	8	10	0.88	1782.49	1778	9	1.05E-03	****	1.98E+00	T
0	970.28	20	3	0.62	1943.13	1936	14	2.74E-03	60.2	1.84E+00	T
0	1022.44	9	10	0.53	2047.58	2041	13	1.28E-03	****	1.75E+00	T
0	1044.12	9	5	1.05	2091.00	2085	9	1.18E-03	****	1.72E+00	
0	1060.60	11	3	1.51	2123.98	2118	10	1.58E-03	79.2	1.70E+00	
0	1135.43	12	3	0.60	2273.82	2267	12	1.67E-03	81.6	1.60E+00	
0	1140.64	12	0	1.74	2284.25	2280	9	1.67E-03	57.7	1.59E+00	
0	1277.42	6	3	0.59	2558.15	2554	7	8.49E-04	****	1.44E+00	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 07:51:15.27

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205377294.CNF;1  *
* Acquisition date :  8-MAY-2023 05:50:23 Sensitivity     : 3.000       *
* Detector ID      : GAM30                Energy tolerance: 1.500       *
* Elapsed live time:    0 02:00:00.00     Abundance limit : 75.000      *
* Elapsed real time:    0 02:00:02.01     Half life ratio : *****       *
* Sample date      : 17-APR-2023 00:00:00 Nuclide Library : SOLID       *
* Sample ID        : G1205377294          Analyst initials: MJH1        *
* Batch Number     : 2414710              Sample Quantity : 1.5297E+02 GRAM  *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000  *
*                                         Dry Weight      :    0.00000  *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 19-SEP-2022 10:46:20 Eff. Geometry   : CAN         *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM30_CAN.CNF;14        *
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Combined Critical Level Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)
HG-203	1.124E-02
TL-204	8.865E-01
TH-234	2.599E-01
U-238	2.599E-01
AM-243	1.013E-02
ANH-511	8.228E-03

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	8.452E-02	NOT IDENT.
NA-22	7.819E-03	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF
AL-26	7.248E-03	NOT IDENT.
K-40	1.508E-01	NOT IDENT.
SC-46	1.387E-02	FAIL ABUN
V-48	2.421E-02	NOT IDENT.
CR-51	1.166E-01	NOT IDENT.
MN-52	1.405E-01	NOT IDENT.
MN-54	8.944E-03	NOT IDENT.
CO-56	8.327E-03	NOT IDENT.
MN-56	0.000E+00	SHORT HLIF
CO-57	6.096E-03	NOT IDENT.
CO-58	8.931E-03	NOT IDENT.
FE-59	2.461E-02	NOT IDENT.
CO-60	1.149E-02	NOT IDENT.
ZN-65	2.815E-02	NOT IDENT.
GE-68	3.337E-01	NOT IDENT.
AS-73	1.761E-01	NOT IDENT.
AS-74	3.380E-02	NOT IDENT.
SE-75	1.308E-02	FAIL ABUN
BR-77	1.738E+01	NOT IDENT.
SR-82	9.544E-02	NOT IDENT.
RB-83	1.996E-02	NOT IDENT.
RB-84	1.838E-02	NOT IDENT.

KR-85	2.157E+00	NOT IDENT.
SR-85	1.219E-02	NOT IDENT.
RB-86	2.717E-01	NOT IDENT.
Y-88	1.564E-02	NOT IDENT.
Y-91	5.968E+00	NOT IDENT.
NB-94	9.030E-03	NOT IDENT.
NB-95	7.223E-03	NOT IDENT.
NB-95M	3.114E-02	NOT IDENT.
ZR-95	2.170E-02	NOT IDENT.
NB-97	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	SHORT HLIF
MO-99	1.692E+01	NOT IDENT.
TC-99M	0.000E+00	SHORT HLIF
RH-101	7.312E-03	NOT IDENT.
RH-102	1.583E-02	NOT IDENT.
RU-103	1.228E-02	FAIL ABUN
RH-106	9.973E-02	NOT IDENT.
RU-106	9.973E-02	NOT IDENT.
AG-108M	7.038E-03	NOT IDENT.
CD-109	1.405E-01	NOT IDENT.
AG-110	1.909E-01	NOT IDENT.
AG-110M	1.112E-02	NOT IDENT.
SN-113	1.088E-02	NOT IDENT.
CD-115	1.685E+01	NOT IDENT.
SN-117M	1.841E-02	NOT IDENT.
SB-122	2.667E+00	NOT IDENT.
TE-123M	6.830E-03	NOT IDENT.
SB-124	2.958E-02	NOT IDENT.
SB-125	2.413E-02	FAIL ABUN
TE-125M	2.588E+00	NOT IDENT.
I-126	8.616E-02	NOT IDENT.
SB-126	6.444E-02	NOT IDENT.
SN-126	1.452E-02	FAIL ABUN
SB-127	1.249E+00	NOT IDENT.
I-131	5.197E-02	NOT IDENT.
I-132	0.000E+00	SHORT HLIF
TE-132	7.349E-01	FAIL ABUN
BA-133	1.149E-02	NOT IDENT.
I-133	0.000E+00	SHORT HLIF
CS-134	1.207E-02	FAIL ABUN
I-135	0.000E+00	SHORT HLIF
CS-136	3.679E-02	NOT IDENT.
BA-137M	1.100E-02	NOT IDENT.
CS-137	1.162E-02	NOT IDENT.
LA-138	1.357E-02	NOT IDENT.
CE-139	7.785E-03	NOT IDENT.
BA-140	1.192E-01	NOT IDENT.
LA-140	3.539E-02	NOT IDENT.
CE-141	1.655E-02	NOT IDENT.
CE-143	0.000E+00	SHORT HLIF
CE-144	5.412E-02	NOT IDENT.
PM-144	9.669E-03	NOT IDENT.
PR-144	7.269E-01	NOT IDENT.
PM-146	1.114E-02	NOT IDENT.
ND-147	2.210E-01	NOT IDENT.
PM-147	1.967E+02	NOT IDENT.
PM-149	1.609E+02	NOT IDENT.
EU-150	8.538E-03	NOT IDENT.
EU-152	2.399E-02	NOT IDENT.
GD-153	1.657E-02	FAIL ABUN
EU-154	2.297E-02	NOT IDENT.
EU-155	1.962E-02	NOT IDENT.
TB-160	3.221E-02	NOT IDENT.
HO-166M	1.532E-02	FAIL ABUN
TM-171	3.627E+00	NOT IDENT.
HF-172	4.350E-02	FAIL ABUN
LU-172	1.812E-02	FAIL ABUN
LU-176	6.682E-03	NOT IDENT.
HF-181	1.148E-02	FAIL ABUN
TA-182	2.495E-02	NOT IDENT.
RE-183	4.425E-02	NOT IDENT.
RE-184	4.180E-02	NOT IDENT.
W-188	2.241E+00	FAIL ABUN
IR-192	1.039E-02	FAIL ABUN
BI-207	1.127E-02	FAIL ABUN
TL-208	1.094E-02	NOT IDENT.
BI-210	6.284E-01	NOT IDENT.
PB-210	6.284E-01	NOT IDENT.

BI-211	5.827E-02	NOT IDENT.
PB-211	1.862E-01	NOT IDENT.
BI-212	1.249E-01	NOT IDENT.
PB-212	1.804E-02	FAIL ABUN
BI-213	3.378E-02	NOT IDENT.
BI-214	2.309E-02	FAIL ABUN
PB-214	2.324E-02	FAIL ABUN
RN-219	8.596E-02	NOT IDENT.
RN-222	2.309E-02	FAIL ABUN
RA-223	1.713E-01	NOT IDENT.
RA-224	1.656E-01	NOT IDENT.
AC-225	2.413E-01	NOT IDENT.
RA-226	2.324E-02	FAIL ABUN
AC-227	7.460E-02	NOT IDENT.
TH-227	7.460E-02	NOT IDENT.
AC-228	4.039E-02	FAIL ABUN
RA-228	4.039E-02	FAIL ABUN
TH-228	1.804E-02	FAIL ABUN
TH-229	1.180E-01	FAIL ABUN
TH-230	2.324E-02	FAIL ABUN
PA-231	1.384E-01	NOT IDENT.
TH-231	1.713E-01	NOT IDENT.
TH-232	4.039E-02	FAIL ABUN
PA-233	1.815E-02	NOT IDENT.
PA-234	9.316E-02	FAIL ABUN
PA-234M	1.439E+00	NOT IDENT.
U-234	2.324E-02	FAIL ABUN
U-235	4.290E-02	FAIL ABUN
NP-237	1.815E-02	NOT IDENT.
NP-238	0.000E+00	SHORT HLIF
NP-239	7.173E-02	FAIL ABUN
PU-239	8.404E+01	FAIL ABUN
AM-241	2.578E-02	NOT IDENT.
CM-243	2.074E-02	NOT IDENT.
BK-247	2.339E-02	NOT IDENT.
CM-247	7.617E-03	NOT IDENT.
CF-249	9.771E-03	NOT IDENT.
CF-251	3.086E-02	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 07:51:19.40

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*****************************************************************************
*                            GEL Laboratories LLC                           *
*                              2040 Savage Road                             *
*                            Charleston, SC 29407                           *
*****************************************************************************
*                                                                           *
*                          DETECTOR AND SAMPLE DATA                         *
*                                                                           *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205377294.CNF;1  *
* Acquisition date :  8-MAY-2023 05:50:23 Sensitivity     : 3.000           *
* Detector ID      : GAM30                Energy tolerance: 1.500           *
* Elapsed live time:    0 02:00:00.00     Abundance limit : 75.000          *
* Elapsed real time:    0 02:00:02.01     Half life ratio : *****           *
* Sample date      : 17-APR-2023 00:00:00 Nuclide Library : SOLID           *
* Sample ID        : G1205377294          Analyst initials: MJH1            *
* Batch Number     : 2414710              Sample Quantity : 1.5297E+02 GRAM *
*                                         Quantity Err(%) : 1.3074E-03 %    *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000      *
*                                         Dry Weight      :    0.00000      *
*****************************************************************************
*                                                                           *
*                          CALIBRATION INFORMATION                          *
*                                                                           *
* Eff. Cal. date   : 19-SEP-2022 10:46:20 Eff. Geometry   : CAN             *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM30_CAN.CNF;14            *
*****************************************************************************
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Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Act Error (1.96-sigma)	TPU (1.96-sigma)
HG-203	1.399E-02	1.845E-02	1.845E-02
TL-204	1.314E+00	2.021E+00	2.021E+00
TH-234	9.906E-02	6.871E-01	6.871E-01
U-238	9.906E-02	6.871E-01	6.871E-01
AM-243	1.916E-02	2.157E-02	2.157E-02
ANH-511	5.080E-04	3.327E-02	3.327E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	7.689E-03	9.445E-02	9.451E-02	NOT IDENT.
NA-22	-1.328E-03	1.090E-02	1.091E-02	NOT IDENT.
NA-24	7.650E+07	2.322E+08	2.347E+08	SHORT HLIF
AL-26	-7.616E-03	1.500E-02	1.539E-02	NOT IDENT.
K-40	-1.386E-01	1.817E-01	1.922E-01	NOT IDENT.
SC-46	1.138E-02	1.922E-02	1.989E-02	FAIL ABUN
V-48	2.282E-02	2.286E-02	2.507E-02	NOT IDENT.
CR-51	7.134E-03	1.272E-01	1.272E-01	NOT IDENT.
MN-52	6.080E-02	1.456E-01	1.481E-01	NOT IDENT.
MN-54	-3.271E-03	1.144E-02	1.153E-02	NOT IDENT.
CO-56	-8.828E-03	1.238E-02	1.300E-02	NOT IDENT.
MN-56	-1.000E+41	1.410E+41	0.000E+00	SHORT HLIF
CO-57	-2.436E-03	7.201E-03	7.284E-03	NOT IDENT.
CO-58	3.830E-03	9.508E-03	9.664E-03	NOT IDENT.
FE-59	-6.625E-03	2.953E-02	2.968E-02	NOT IDENT.
CO-60	6.713E-03	1.163E-02	1.202E-02	NOT IDENT.
ZN-65	2.199E-02	2.823E-02	2.992E-02	NOT IDENT.
GE-68	-2.671E-01	4.342E-01	4.506E-01	NOT IDENT.
AS-73	6.481E-02	1.827E-01	1.851E-01	NOT IDENT.
AS-74	-3.746E-02	4.660E-02	4.957E-02	NOT IDENT.
SE-75	-1.706E-03	1.434E-02	1.436E-02	FAIL ABUN
BR-77	-1.111E+00	1.979E+01	1.979E+01	NOT IDENT.
SR-82	-1.141E-02	1.218E-01	1.219E-01	NOT IDENT.
RB-83	8.026E-04	2.267E-02	2.267E-02	NOT IDENT.

RB-84	2.789E-03	2.128E-02	2.132E-02	NOT IDENT.
KR-85	7.740E-01	2.602E+00	2.626E+00	NOT IDENT.
SR-85	4.358E-03	1.471E-02	1.484E-02	NOT IDENT.
RB-86	-1.445E-01	3.381E-01	3.443E-01	NOT IDENT.
Y-88	6.930E-03	1.682E-02	1.711E-02	NOT IDENT.
Y-91	1.307E+00	6.828E+00	6.853E+00	NOT IDENT.
NB-94	-6.485E-04	1.072E-02	1.072E-02	NOT IDENT.
NB-95	-6.487E-03	1.213E-02	1.247E-02	NOT IDENT.
NB-95M	-1.553E-02	3.918E-02	3.981E-02	NOT IDENT.
ZR-95	1.472E-02	2.256E-02	2.352E-02	NOT IDENT.
NB-97	-1.000E+41	3.375E+41	0.000E+00	SHORT HLIF
ZR-97	1.648E+08	2.299E+08	2.416E+08	SHORT HLIF
MO-99	1.510E+01	1.689E+01	1.821E+01	NOT IDENT.
TC-99M	-8.406E+22	2.489E+23	0.000E+00	SHORT HLIF
RH-101	-2.393E-03	8.611E-03	8.678E-03	NOT IDENT.
RH-102	5.920E-03	1.732E-02	1.753E-02	NOT IDENT.
RU-103	1.196E-02	1.194E-02	1.310E-02	FAIL ABUN
RH-106	6.555E-02	1.049E-01	1.090E-01	NOT IDENT.
RU-106	6.555E-02	1.049E-01	1.090E-01	NOT IDENT.
AG-108M	-2.883E-03	8.397E-03	8.497E-03	NOT IDENT.
CD-109	-1.226E-01	1.875E-01	1.955E-01	NOT IDENT.
AG-110	-4.045E-02	2.305E-01	2.313E-01	NOT IDENT.
AG-110M	-7.028E-03	1.619E-02	1.650E-02	NOT IDENT.
SN-113	-4.027E-03	1.277E-02	1.290E-02	NOT IDENT.
CD-115	-3.031E+00	1.990E+01	1.995E+01	NOT IDENT.
SN-117M	2.445E-05	2.124E-02	2.124E-02	NOT IDENT.
SB-122	1.042E+00	3.013E+00	3.049E+00	NOT IDENT.
TE-123M	-4.500E-04	7.942E-03	7.944E-03	NOT IDENT.
SB-124	-1.772E-02	4.045E-02	4.123E-02	NOT IDENT.
SB-125	6.748E-03	2.607E-02	2.625E-02	FAIL ABUN
TE-125M	6.397E-01	3.066E+00	3.079E+00	NOT IDENT.
I-126	7.523E-02	8.627E-02	9.270E-02	NOT IDENT.
SB-126	2.200E-02	7.204E-02	7.272E-02	NOT IDENT.
SN-126	-2.639E-03	1.643E-02	1.648E-02	FAIL ABUN
SB-127	7.890E-01	1.327E+00	1.373E+00	NOT IDENT.
I-131	3.652E-03	5.714E-02	5.716E-02	NOT IDENT.
I-132	-1.000E+41	2.065E+41	0.000E+00	SHORT HLIF
TE-132	6.796E-01	7.799E-01	8.379E-01	FAIL ABUN
BA-133	4.671E-03	1.211E-02	1.229E-02	NOT IDENT.
I-133	1.709E+05	2.401E+05	2.521E+05	SHORT HLIF
CS-134	-2.539E-03	1.482E-02	1.486E-02	FAIL ABUN
I-135	2.171E+21	1.079E+22	0.000E+00	SHORT HLIF
CS-136	1.320E-02	4.296E-02	4.337E-02	NOT IDENT.
BA-137M	6.617E-03	1.171E-02	1.209E-02	NOT IDENT.
CS-137	6.990E-03	1.237E-02	1.277E-02	NOT IDENT.
LA-138	-7.651E-03	1.829E-02	1.861E-02	NOT IDENT.
CE-139	4.025E-03	8.553E-03	8.744E-03	NOT IDENT.
BA-140	3.710E-02	1.311E-01	1.322E-01	NOT IDENT.
LA-140	-1.342E-02	4.590E-02	4.629E-02	NOT IDENT.
CE-141	6.719E-04	1.981E-02	1.981E-02	NOT IDENT.
CE-143	-5.160E+02	8.809E+02	9.111E+02	SHORT HLIF
CE-144	1.375E-02	6.023E-02	6.055E-02	NOT IDENT.
PM-144	1.420E-03	1.107E-02	1.109E-02	NOT IDENT.
PR-144	1.098E-01	8.318E-01	8.333E-01	NOT IDENT.
PM-146	2.851E-03	1.213E-02	1.219E-02	NOT IDENT.
ND-147	3.985E-02	2.458E-01	2.465E-01	NOT IDENT.
PM-147	1.871E+02	2.021E+02	2.189E+02	NOT IDENT.
PM-149	-1.660E+02	2.159E+02	2.285E+02	NOT IDENT.
EU-150	8.038E-03	8.543E-03	9.279E-03	NOT IDENT.
EU-152	-1.262E-03	2.967E-02	2.967E-02	NOT IDENT.
GD-153	-2.971E-03	2.053E-02	2.057E-02	FAIL ABUN
EU-154	-2.281E-03	3.122E-02	3.124E-02	NOT IDENT.
EU-155	-9.194E-03	2.334E-02	2.371E-02	NOT IDENT.
TB-160	-7.578E-03	4.067E-02	4.081E-02	NOT IDENT.
HO-166M	-1.177E-02	2.037E-02	2.105E-02	FAIL ABUN
TM-171	4.718E-01	3.858E+00	3.864E+00	NOT IDENT.
HF-172	-2.385E-03	4.971E-02	4.972E-02	FAIL ABUN
LU-172	-1.586E-02	2.701E-02	2.794E-02	FAIL ABUN
LU-176	-2.339E-03	7.610E-03	7.682E-03	NOT IDENT.
HF-181	-6.314E-03	1.415E-02	1.443E-02	FAIL ABUN
TA-182	-2.798E-03	2.991E-02	2.994E-02	NOT IDENT.
RE-183	1.082E-02	4.679E-02	4.704E-02	NOT IDENT.
RE-184	-5.092E-03	5.134E-02	5.139E-02	NOT IDENT.
W-188	7.715E-01	2.600E+00	2.623E+00	FAIL ABUN
IR-192	3.984E-03	1.093E-02	1.108E-02	FAIL ABUN
BI-207	6.183E-03	1.206E-02	1.238E-02	FAIL ABUN
TL-208	-2.397E-03	1.446E-02	1.450E-02	NOT IDENT.
BI-210	-8.649E-01	8.543E-01	9.391E-01	NOT IDENT.

PB-210	-8.649E-01	8.543E-01	9.391E-01	NOT IDENT.
BI-211	-1.086E-02	7.803E-02	7.818E-02	NOT IDENT.
PB-211	-1.048E-01	2.516E-01	2.560E-01	NOT IDENT.
BI-212	-2.141E-02	1.515E-01	1.518E-01	NOT IDENT.
PB-212	-4.041E-03	2.081E-02	2.089E-02	FAIL ABUN
BI-213	1.083E-02	3.667E-02	3.699E-02	NOT IDENT.
BI-214	1.486E-02	3.517E-02	3.580E-02	FAIL ABUN
PB-214	9.791E-03	2.878E-02	2.912E-02	FAIL ABUN
RN-219	-3.246E-02	1.146E-01	1.155E-01	NOT IDENT.
RN-222	1.486E-02	3.517E-02	3.580E-02	FAIL ABUN
RA-223	-1.112E-01	2.017E-01	2.078E-01	NOT IDENT.
RA-224	-7.804E-02	2.072E-01	2.101E-01	NOT IDENT.
AC-225	5.855E-02	2.774E-01	2.787E-01	NOT IDENT.
RA-226	9.791E-03	2.878E-02	2.912E-02	FAIL ABUN
AC-227	6.658E-02	8.062E-02	8.603E-02	NOT IDENT.
TH-227	6.658E-02	8.062E-02	8.603E-02	NOT IDENT.
AC-228	-3.921E-02	5.762E-02	6.027E-02	FAIL ABUN
RA-228	-3.921E-02	5.762E-02	6.027E-02	FAIL ABUN
TH-228	-4.041E-03	2.081E-02	2.089E-02	FAIL ABUN
TH-229	-1.333E-01	1.565E-01	1.676E-01	FAIL ABUN
TH-230	9.791E-03	2.878E-02	2.912E-02	FAIL ABUN
PA-231	1.189E-01	1.405E-01	1.504E-01	NOT IDENT.
TH-231	-1.112E-01	2.017E-01	2.078E-01	NOT IDENT.
TH-232	-3.921E-02	5.762E-02	6.027E-02	FAIL ABUN
PA-233	3.648E-03	1.946E-02	1.953E-02	NOT IDENT.
PA-234	5.517E-02	1.185E-01	1.211E-01	FAIL ABUN
PA-234M	1.312E+00	1.455E+00	1.571E+00	NOT IDENT.
U-234	9.791E-03	2.878E-02	2.912E-02	FAIL ABUN
U-235	-2.690E-02	5.521E-02	5.653E-02	FAIL ABUN
NP-237	3.648E-03	1.946E-02	1.953E-02	NOT IDENT.
NP-238	-1.480E+01	4.251E+01	4.303E+01	SHORT HLIF
NP-239	1.212E-01	1.201E-01	1.319E-01	FAIL ABUN
PU-239	2.124E+01	9.319E+01	9.368E+01	FAIL ABUN
AM-241	-1.358E-02	3.247E-02	3.304E-02	NOT IDENT.
CM-243	-2.042E-04	2.329E-02	2.329E-02	NOT IDENT.
BK-247	1.561E-03	2.518E-02	2.519E-02	NOT IDENT.
CM-247	-8.699E-03	1.155E-02	1.220E-02	NOT IDENT.
CF-249	-2.019E-03	1.120E-02	1.123E-02	NOT IDENT.
CF-251	2.349E-02	3.509E-02	3.665E-02	NOT IDENT.

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

GAMMA SPECTROSCOPY BACKGROUND REPORT

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
43.53	30.3000	85.43	36.0500	131.20	43.9801
45.60	28.5524	86.55	30.9570	133.02	41.8756
46.54	37.2030	86.79	30.9691	133.52	44.1064
49.72	26.9116	86.94	33.0417	136.00	33.1805
51.35	34.7303	87.09	30.9842	136.47	34.3064
51.87	35.7370	87.57	37.2101	140.51	32.2493
52.39	30.9440	88.03	42.7546	143.76	33.4900
52.97	27.1111	88.34	42.7761	144.24	34.6257
53.44	26.1703	88.47	40.0249	145.44	29.0818
54.07	33.0011	89.96	37.3538	152.43	46.2289
57.36	0.0000	90.64	36.0092	153.25	28.2143
57.53	28.3591	91.11	35.3432	154.21	35.0235
57.98	33.2802	92.59	35.4257	156.02	49.8109
59.27	41.2220	93.35	35.4677	158.56	38.5986
59.32	41.2262	94.56	35.5343	159.00	35.2099
59.54	31.4248	94.65	35.5393	162.33	34.1982
60.96	21.0112	94.67	35.5403	162.66	35.3504
61.17	21.0202	94.87	35.5515	163.33	36.5171
62.93	37.5756	97.43	30.7920	165.86	32.0392
63.29	37.6027	98.43	37.8474	176.31	33.9332
63.58	37.6245	98.44	37.8482	176.60	33.9435
64.28	37.6767	99.53	28.4325	177.52	23.1650
66.73	33.8724	100.11	32.6731	181.07	26.3481
67.24	25.9280	102.03	35.9369	181.52	34.1127
67.68	31.9382	103.18	25.4101	184.41	29.1573
67.75	31.9424	103.37	27.5351	185.72	29.1950
68.89	32.0120	105.21	30.7946	193.51	44.7145
69.67	32.0591	105.31	30.7990	197.03	41.3227
70.82	32.1279	106.12	23.3920	198.01	40.1794
70.83	32.1287	106.47	23.4037	201.83	30.8357
72.81	22.1692	109.28	39.8740	203.43	33.2573
72.87	22.1715	111.00	55.6729	205.31	33.3154
74.66	37.4099	111.76	47.1575	210.85	28.7007
74.82	37.4206	114.06	12.9020	215.65	46.8403
74.97	37.4305	116.30	34.5100	218.12	33.7025
77.11	37.5733	116.74	31.6530	222.11	33.8208
78.74	29.8729	119.76	43.3377	227.09	29.1145
79.69	32.6423	121.12	30.3911	227.38	29.1218
80.03	39.4655	121.22	30.3949	228.16	23.0701
80.12	39.4720	121.78	38.0217	228.18	23.0707
80.19	39.4767	122.06	43.4692	235.69	39.1040
80.57	39.8429	122.92	36.9904	235.96	39.1128
81.00	37.8277	123.07	39.1740	238.63	28.1748
81.07	37.8322	123.68	42.4721	238.98	28.1832
81.75	30.7102	125.81	36.0368	240.99	45.4133
82.47	35.8727	127.23	41.5722	242.00	33.1670
83.79	34.9248	127.91	38.3234	244.70	34.4715
84.00	33.9094	129.30	38.3907	252.40	27.2536

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.80	24.7839	351.06	22.5818	569.33	20.8513
254.15	0.0000	351.93	19.9361	569.50	22.3425
256.23	24.8517	355.39	0.0000	569.70	22.3444
260.90	29.9312	356.01	19.5432	583.19	16.9827
264.66	35.8561	364.49	20.5391	584.27	12.9926
264.80	35.8596	366.42	23.2456	595.83	24.1064
265.00	35.0316	372.51	17.0502	600.60	25.6650
269.46	34.3143	375.05	17.0765	602.52	0.0000
270.03	26.7936	377.52	24.3023	604.72	6.0493
271.23	25.9797	383.85	20.7801	607.14	9.0831
273.65	29.3860	388.16	19.9272	609.32	14.1424
276.40	29.0258	388.63	22.6512	610.33	19.7071
277.37	26.5211	391.69	19.9684	614.28	21.8654
277.60	32.8412	400.66	14.5980	618.01	18.2490
278.00	30.3245	401.81	16.4337	620.36	11.1634
279.20	30.3516	402.40	21.9189	621.93	12.1860
279.54	35.4187	404.85	26.0653	630.19	0.0000
279.70	35.4230	410.95	21.1079	631.29	12.2329
280.46	36.7093	413.71	24.8176	633.25	9.1820
283.69	29.6067	414.70	19.3132	634.78	19.3966
284.31	33.8517	423.72	18.4855	635.95	10.2136
285.41	32.1847	427.09	20.3717	636.99	10.2181
285.90	33.0435	427.87	15.7487	657.50	14.4233
287.50	33.9307	433.94	18.5889	657.76	14.4250
290.67	29.3326	439.40	20.5082	657.90	0.0000
293.27	0.0000	440.45	23.3180	661.66	12.3833
295.22	20.4722	453.88	15.0299	664.57	0.0000
295.96	20.4829	463.37	22.6563	666.33	7.2367
298.58	26.9338	468.07	18.9258	666.50	8.2712
299.98	25.6769	473.00	8.5380	667.71	0.0000
300.09	25.6787	475.06	18.9933	677.62	11.4225
300.13	25.6793	476.78	16.1582	685.70	11.4579
301.36	21.4183	477.60	13.3124	692.65	15.6659
302.85	28.3016	482.18	18.1082	695.00	19.8612
304.50	26.6173	487.02	15.2861	696.49	13.5972
304.85	26.6236	492.35	15.3265	696.51	13.5972
306.78	27.5195	497.08	7.6810	697.00	17.7844
308.46	24.1075	505.52	10.1227	697.30	16.7402
311.90	25.8911	507.63	0.0000	697.49	15.6952
316.51	23.3751	511.00	19.3323	702.65	14.6773
319.41	30.3608	514.00	20.3284	706.68	10.4997
320.08	25.1673	514.00	20.3284	711.68	17.8826
321.04	24.3154	520.40	15.5352	720.70	14.7764
323.87	33.9322	520.69	16.5089	721.93	0.0000
325.23	23.5129	522.65	0.0000	722.78	21.1255
328.76	29.6788	527.90	11.6929	722.91	19.0137
333.37	22.7643	528.26	11.6948	723.31	16.9036
333.97	21.8974	529.59	10.7270	724.19	9.5116
334.37	20.1507	529.87	0.0000	727.33	12.6968
338.28	15.8104	531.02	13.6611	733.00	10.6026
338.32	15.8108	537.26	18.5941	735.93	10.6136
340.48	27.2682	546.56	0.0000	737.46	11.6817
340.55	27.2688	552.55	17.7393	739.50	6.3765
344.28	21.1621	563.25	14.8535	744.23	10.6458
345.93	21.1846	564.24	13.0770	747.24	9.5914

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
748.06	11.7264	954.55	0.0000	1408.01	3.8374
752.31	10.6767	962.31	6.8577	1434.09	2.8943
753.82	13.8871	964.08	10.2920	1435.80	6.7560
756.73	7.4854	966.17	10.2982	1457.56	0.0000
756.80	7.4856	968.97	6.8711	1460.82	8.7330
763.94	1.6082	983.53	2.3001	1489.16	4.8807
765.81	9.6552	984.45	0.0000	1505.03	3.9175
766.42	9.6573	996.26	10.3887	1584.12	5.9711
766.84	8.0490	1001.03	5.7794	1596.21	6.9829
772.60	0.0000	1002.74	9.2516	1620.50	4.0093
776.52	10.3375	1004.73	11.5710	1621.92	4.0103
777.92	12.9282	1021.30	0.0000	1678.03	0.0000
778.90	10.7772	1025.87	0.0000	1690.97	8.1274
783.70	9.7159	1028.54	0.0000	1750.46	0.0000
788.74	8.6514	1037.84	7.0078	1764.49	7.2085
792.07	14.0743	1038.76	0.0000	1770.23	4.1235
795.86	16.2610	1046.59	5.6199	1771.35	7.2175
801.95	14.1219	1048.07	5.6223	1791.20	0.0000
810.06	6.5359	1049.04	10.0426	1808.65	2.0760
810.29	6.5364	1050.41	6.1532	1810.72	0.0000
810.45	6.5369	1063.66	2.8230	1836.06	4.1724
810.76	4.3582	1077.00	13.2816		
815.77	6.5486	1077.34	14.1680		
818.51	8.7393	1085.87	7.9882		
832.01	10.9733	1093.63	10.6729		
834.85	12.0823	1099.45	9.7989		
835.71	13.1841	1112.07	11.6186		
836.80	0.0000	1112.84	11.6210		
846.75	0.0000	1115.54	7.1567		
846.77	12.1293	1120.29	7.1655		
856.80	15.4880	1120.55	8.0618		
860.56	11.0763	1121.30	5.3756		
871.09	10.0023	1129.67	10.0563		
873.19	8.8968	1131.51	0.0000		
875.33	0.0000	1147.95	0.0000		
879.38	8.9144	1173.23	4.5398		
880.51	6.6882	1177.95	8.1815		
881.60	6.6904	1189.05	5.4697		
883.24	6.6941	1204.77	5.4910		
884.68	10.7152	1221.41	2.7568		
889.28	10.0602	1231.02	8.2897		
894.76	6.7183	1235.36	5.5323		
898.04	16.8127	1238.28	4.6133		
900.72	16.8268	1260.41	0.0000		
903.28	13.4722	1271.87	2.4805		
911.20	10.1290	1274.44	4.4675		
912.08	15.7603	1274.54	4.4675		
923.98	0.0000	1291.59	5.6067		
926.50	5.6537	1298.22	0.0000		
929.11	6.7898	1312.11	5.6338		
935.54	10.2045	1332.49	3.7734		
937.49	6.8071	1362.66	0.0000		
944.13	7.9573	1365.19	12.3541		
946.00	7.9619	1368.63	0.0000		
949.00	6.8306	1384.29	5.7264		

VAX/VMS Nuclide Identification Report Generated 8-MAY-2023 09:15:50.32

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

Configuration : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205377295.CNF;1
Background file : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM03.CNF;681
Background date : 7-MAY-2023 09:36:37.
Sample date : 24-AUG-2022 15:00:00 Acquisition date : 8-MAY-2023 07:15:11.
Sample ID : G1205377295 Sample quantity : 1.52970E+02 GRAM
Detector name : GAM03 Detector geometry: CAN
Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:00.68 0.0%
Energy tolerance : 1.50000 keV Analyst Initials : MJH1
Abundance limit : 75.00000 Sensitivity : 3.00000
Batch ID : 2414710 Detector SN# :
Matrix Spike ID : LCS ID :

BACKGROUND CORRECTED SAMPLE PEAK REPORT

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	59.75	16	145	0.83	119.11	116	6	2.20E-03	122.4	
2	0	63.62*	7	228	1.05	126.84	123	9	9.43E-04	425.0	
3	3	74.60	82	211	1.07	148.79	145	14	1.14E-02	28.7	2.92E+00
4	3	77.18*	135	244	1.25	153.95	145	14	1.88E-02	22.7	
5	1	87.14	80	168	1.30	173.86	171	21	1.11E-02	26.8	1.77E+00
6	1	92.69*	60	222	1.47	184.96	171	21	8.27E-03	55.3	
7	0	112.80*	23	243	1.30	225.17	218	12	3.22E-03	140.3	
8	0	168.04	12	159	1.21	335.59	332	8	1.60E-03	192.2	
9	0	185.61*	90	237	1.60	370.73	366	13	1.25E-02	39.5	
10	1	205.61*	48	106	1.69	410.69	405	22	6.67E-03	45.6	1.23E+00
11	1	208.65	55	108	1.69	416.77	405	22	7.70E-03	38.9	
12	3	238.49*	324	117	1.41	476.44	472	19	4.50E-02	8.4	1.42E+00
13	3	241.38*	88	164	2.11	482.21	472	19	1.22E-02	39.0	
14	0	295.15*	182	99	1.31	589.72	584	14	2.53E-02	14.0	
15	0	319.12	37	72	4.29	637.64	632	12	5.08E-03	49.3	
16	0	338.11*	43	106	1.69	675.61	672	9	6.03E-03	47.2	
17	0	351.33	279	123	1.50	702.04	694	16	3.88E-02	10.7	
18	0	410.26	22	70	3.82	819.87	813	12	3.04E-03	79.1	
19	0	448.29	26	35	3.86	895.91	890	11	3.56E-03	49.2	
20	0	510.82*	22	80	2.67	1020.94	1014	17	3.06E-03	116.0	
21	0	583.15*	118	52	1.57	1165.56	1158	17	1.65E-02	17.6	
22	0	591.75	32	34	1.53	1182.76	1175	15	4.46E-03	43.2	
23	0	608.68*	212	51	2.13	1216.63	1206	17	2.94E-02	10.7	
24	0	663.05	43	58	1.71	1325.35	1318	17	6.00E-03	43.5	
25	0	726.72	42	28	2.54	1452.68	1445	16	5.88E-03	31.8	
26	0	785.88	52	29	5.18	1570.99	1562	19	7.15E-03	28.5	
27	0	796.05	22	32	0.66	1591.33	1583	13	3.00E-03	60.3	
28	0	812.22	30	27	6.31	1623.67	1613	18	4.21E-03	44.0	
29	0	860.36	51	39	3.86	1719.93	1710	18	7.08E-03	32.4	
30	0	910.88*	79	27	1.47	1820.99	1813	16	1.10E-02	19.9	
31	0	969.18*	23	59	5.71	1937.59	1927	17	3.19E-03	84.8	
32	0	1119.63*	64	26	2.75	2238.50	2228	25	8.90E-03	25.0	
33	0	1171.00	14	21	0.74	2341.28	2333	13	1.92E-03	75.6	
34	0	1237.92	39	25	5.90	2475.13	2465	20	5.38E-03	35.5	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
35	0	1312.48	15	6	4.33	2624.30	2617	13	2.09E-03	43.1	
36	0	1334.02	8	20	4.04	2667.39	2658	13	1.15E-03	115.4	
37	0	1363.97	21	9	3.67	2727.31	2720	14	2.94E-03	38.5	
38	0	1369.21	5	4	0.64	2737.78	2733	7	6.25E-04	83.5	
39	0	1376.39	23	7	3.77	2752.14	2744	16	3.21E-03	34.1	
40	0	1411.10	9	13	0.68	2821.58	2814	11	1.20E-03	89.8	
41	0	1459.49	564	3	2.17	2918.39	2909	16	7.83E-02	4.3	
42	0	1545.87	6	5	1.33	3091.22	3084	10	8.71E-04	77.3	
43	0	1600.23	10	8	0.67	3199.99	3187	16	1.35E-03	72.7	
44	0	1763.11	48	9	1.95	3525.90	3518	18	6.67E-03	20.6	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 8-MAY-2023 09:15:51

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205377295.CNF;1		
Analyses by	: PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4		
Sample title	: MJH1		
Sample date	: 24-AUG-2022 15:00:00	Acquisition date	: 8-MAY-2023 07:15:11
Sample ID	: G1205377295	Sample quantity	: 152.97 GRAM
Sample type	: SOLID	Sample geometry	:
Detector name	: GAMMA3	Detector geometry	: CAN
Elapsed live time	: 0 02:00:00.00	Elapsed real time	: 0 02:00:00.68 0.0%
Energy tolerance	: 1.50 keV	Half life ratio	: 10.00
Errors propagated	: No	Systematic Error	: 0.00 %
Efficiency type	: Empirical	Efficiencies at	: Peak Energy
Abundance limit	: 75.00		

Interference Report

No interference correction performed

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
K-40	1460.82	545	10.66*	1.013E+00	1.237E+01	1.237E+01	8.57
CR-51	320.08	41	9.91*	3.564E+00	2.880E-01	1.776E+02	98.62
CO-58	810.76	31	99.45*	1.683E+00	4.584E-02	5.648E-01	88.09
CD-109	88.03	102	3.70*	4.538E+00	1.485E+00	2.185E+00	53.67
SN-126	64.28	9	9.60	2.069E+00	1.100E-01	1.100E-01	849.96
	86.94	102	8.90	4.538E+00	6.176E-01	6.176E-01	53.67
	87.57	102	37.00*	4.538E+00	1.485E-01	1.485E-01	53.67
BA-137M	661.66	46	89.90*	2.001E+00	6.210E-02	6.311E-02	87.05
CS-137	661.66	46	85.10*	2.001E+00	6.560E-02	6.667E-02	87.05
TL-208	277.37	------	6.60	3.962E+00	------ Line Not Found		------
	583.19	126	85.00*	2.224E+00	1.641E-01	1.641E-01	35.11
	860.56	52	12.50	1.601E+00	6.406E-01	6.406E-01	64.74
BI-211	72.87	------	1.23	3.165E+00	------ Line Not Found		------
	351.06	314	12.92*	3.311E+00	1.800E+00	1.800E+00	21.45
BI-212	727.33	44	6.67*	1.852E+00	8.777E-01	8.777E-01	63.70
	1620.50	------	1.47	9.391E-01	------ Line Not Found		------
PB-212	74.82	106	10.28	3.358E+00	7.547E-01	7.547E-01	57.32
	77.11	174	17.10	3.633E+00	6.885E-01	6.885E-01	45.36
	238.63	378	43.60*	4.424E+00	4.809E-01	4.809E-01	16.70
	300.09	------	3.30	3.734E+00	------ Line Not Found		------
BI-214	609.32	225	45.49*	2.148E+00	5.659E-01	5.661E-01	21.34
	1120.29	64	14.92	1.267E+00	8.284E-01	8.287E-01	50.08
	1764.49	45	15.30	8.908E-01	8.172E-01	8.174E-01	41.14
PB-214	74.82	106	5.80	3.358E+00	1.338E+00	1.338E+00	57.32
	77.11	174	9.70	3.633E+00	1.214E+00	1.214E+00	45.36
	87.09	102	3.41	4.538E+00	1.612E+00	1.612E+00	53.67
	242.00	102	7.25	4.386E+00	7.901E-01	7.904E-01	78.00
	295.22	208	18.42	3.782E+00	7.338E-01	7.340E-01	28.00
	351.93	314	35.60*	3.311E+00	6.533E-01	6.535E-01	21.45
RN-222	609.32	225	45.49*	2.148E+00	5.659E-01	5.661E-01	21.34
	1120.29	64	14.92	1.267E+00	8.284E-01	8.287E-01	50.08
	1764.49	45	15.30	8.908E-01	8.172E-01	8.174E-01	41.14
RA-224	240.99	102	4.10*	4.386E+00	1.397E+00	1.397E+00	78.00
RA-226	74.82	106	5.80	3.358E+00	1.338E+00	1.338E+00	57.32
	77.11	174	9.70	3.633E+00	1.214E+00	1.214E+00	45.36
	87.09	102	3.41	4.538E+00	1.612E+00	1.612E+00	53.67
	242.00	102	7.25	4.386E+00	7.901E-01	7.904E-01	78.00
	295.22	208	18.42	3.782E+00	7.338E-01	7.340E-01	28.00
	351.93	314	35.60*	3.311E+00	6.533E-01	6.535E-01	21.45
AC-228	105.21	------	1.10	5.511E+00	------ Line Not Found		------
	338.32	49	11.27	3.410E+00	3.128E-01	3.128E-01	94.50
	835.71	------	1.61	1.642E+00	------ Line Not Found		------
	911.20	80	25.80*	1.522E+00	5.028E-01	5.028E-01	39.84
	968.97	23	15.80	1.441E+00	2.507E-01	2.507E-01	169.63
RA-228	105.21	------	1.10	5.511E+00	------ Line Not Found		------
	338.32	49	11.27	3.410E+00	3.128E-01	3.128E-01	94.50
	835.71	------	1.61	1.642E+00	------ Line Not Found		------
	911.20	80	25.80*	1.522E+00	5.028E-01	5.028E-01	39.84
	968.97	23	15.80	1.441E+00	2.507E-01	2.507E-01	169.63

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
TH-228	74.82	106	10.28	3.358E+00	7.547E-01	7.547E-01	57.32
	77.11	174	17.10	3.633E+00	6.885E-01	6.885E-01	45.36
	238.63	378	43.60*	4.424E+00	4.809E-01	4.809E-01	16.70
	300.09	------	3.30	3.734E+00	------ Line Not Found		------
TH-230	74.82	106	5.80	3.358E+00	1.338E+00	1.338E+00	57.32
	77.11	174	9.70	3.633E+00	1.214E+00	1.214E+00	45.36
	87.09	102	3.41	4.538E+00	1.612E+00	1.612E+00	53.67
	242.00	102	7.25	4.386E+00	7.901E-01	7.902E-01	78.00
	295.22	208	18.42	3.782E+00	7.338E-01	7.338E-01	28.00
	351.93	314	35.60*	3.311E+00	6.533E-01	6.533E-01	21.45
TH-232	105.21	------	1.10	5.511E+00	------ Line Not Found		------
	338.32	49	11.27	3.410E+00	3.128E-01	3.128E-01	94.50
	835.71	------	1.61	1.642E+00	------ Line Not Found		------
	911.20	80	25.80*	1.522E+00	5.028E-01	5.028E-01	39.84
	968.97	23	15.80	1.441E+00	2.507E-01	2.507E-01	169.63
TH-234	63.29	9	3.70*	2.069E+00	2.854E-01	2.854E-01	849.96
	92.59	76	4.23	4.924E+00	8.914E-01	8.914E-01	110.63
U-234	74.82	106	5.80	3.358E+00	1.338E+00	1.338E+00	57.32
	77.11	174	9.70	3.633E+00	1.214E+00	1.214E+00	45.36
	87.09	102	3.41	4.538E+00	1.612E+00	1.612E+00	53.67
	242.00	102	7.25	4.386E+00	7.901E-01	7.901E-01	78.00
	295.22	208	18.42	3.782E+00	7.338E-01	7.338E-01	28.00
	351.93	314	35.60*	3.311E+00	6.533E-01	6.533E-01	21.45
U-235	89.96	------	3.47	4.745E+00	------ Line Not Found		------
	93.35	76	5.60	4.924E+00	6.734E-01	6.734E-01	110.63
	143.76	------	10.96*	5.783E+00	------ Line Not Found		------
	163.33	------	5.08	5.545E+00	------ Line Not Found		------
	185.72	107	57.20	5.203E+00	8.845E-02	8.845E-02	78.95
	205.31	57	5.01	4.892E+00	5.687E-01	5.687E-01	91.22
U-238	63.29	9	3.70*	2.069E+00	2.854E-01	2.854E-01	849.96
	92.59	76	4.23	4.924E+00	8.914E-01	8.914E-01	110.63
AM-241	59.54	21	35.90*	1.612E+00	8.871E-02	8.881E-02	244.80
AM-243	43.53	------	5.90	2.343E-01	------ Line Not Found		------
	74.66	106	67.20*	3.358E+00	1.154E-01	1.155E-01	57.32
ANH-511	511.00	24	100.00*	2.474E+00	2.368E-02	2.368E-02	231.94

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 09:15:52.54

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205377295.CNF;1		
Acquisition date	: 8-MAY-2023 07:15:11	Sensitivity	: 3.000
Detector ID	: GAM03	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:00.68	Half life ratio	: *****
Sample date	: 24-AUG-2022 15:00:00	Analyst initials	: MJH1
Sample ID	: G1205377295	Sample Quantity	: 1.5297E+02 GRAM
Batch Number	: 2414710	Wet Weight	: 0.00000
Wet wt corr	: 1.00000	Dry Weight	: 0.00000
Nuclide Library	: SOLID.NLB;17		

CALIBRATION INFORMATION

Eff. Cal. date	: 12-OCT-2022 09:50:42	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM03_CAN.CNF;29		

Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Cnt uncert (1.96-sigma)	MDA (pCi/GRAM)
K-40	1.237E+01	1.039E+00	2.572E-01
CR-51	1.776E+02	1.716E+02	1.749E+02
CO-58	5.648E-01	4.876E-01	4.825E-01
CD-109	2.185E+00	1.149E+00	1.377E+00
SN-126	1.485E-01	7.812E-02	9.436E-02
BA-137M	6.311E-02	5.384E-02	4.524E-02
CS-137	6.667E-02	5.688E-02	4.780E-02
TL-208	1.641E-01	5.647E-02	4.320E-02
BI-211	1.800E+00	3.785E-01	2.433E-01
BI-212	8.777E-01	5.479E-01	5.263E-01
PB-212	4.809E-01	7.871E-02	6.616E-02
BI-214	5.661E-01	1.184E-01	8.711E-02
PB-214	6.535E-01	1.374E-01	8.851E-02
RN-222	5.661E-01	1.184E-01	8.711E-02
RA-224	1.397E+00	1.068E+00	7.090E-01
RA-226	6.535E-01	1.374E-01	8.851E-02
AC-228	5.028E-01	1.963E-01	1.954E-01
RA-228	5.028E-01	1.963E-01	1.954E-01
TH-228	4.809E-01	7.871E-02	6.616E-02
TH-230	6.533E-01	1.374E-01	8.848E-02
TH-232	5.028E-01	1.963E-01	1.954E-01
TH-234	2.854E-01	2.377E+00	2.090E+00
U-234	6.533E-01	1.374E-01	8.848E-02
U-235	-4.733E-02	1.230E-01	2.216E-01
U-238	2.854E-01	2.377E+00	2.090E+00
AM-241	8.881E-02	2.131E-01	2.498E-01
AM-243	1.155E-01	6.486E-02	7.387E-02
ANH-511	2.368E-02	5.383E-02	3.093E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	-2.154E+00	4.945E+00	9.146E+00	NOT IDENT.
NA-22	3.899E-03	2.893E-02	5.780E-02	NOT IDENT.

NA-24	0.000E+00	1.637E+41	0.000E+00	SHORT HLIF
AL-26	-4.106E-03	1.899E-02	3.677E-02	NOT IDENT.
SC-46	1.555E-01	1.834E-01	3.812E-01	FAIL ABUN
V-48	0.000E+00	1.901E+03	0.000E+00	SHORT HLIF
MN-52	0.000E+00	1.877E+12	0.000E+00	SHORT HLIF
MN-54	4.808E-02	4.628E-02	9.443E-02	NOT IDENT.
CO-56	8.003E-02	2.092E-01	4.142E-01	FAIL ABUN
MN-56	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CO-57	-3.777E-03	2.890E-02	5.531E-02	NOT IDENT.
FE-59	-1.731E+00	2.613E+00	4.653E+00	NOT IDENT.
CO-60	2.170E-02	3.125E-02	6.524E-02	NOT IDENT.
ZN-65	7.827E-02	1.130E-01	2.154E-01	NOT IDENT.
GE-68	4.603E-02	1.464E+00	2.868E+00	NOT IDENT.
AS-73	2.578E+00	7.038E+00	1.324E+01	NOT IDENT.
AS-74	0.000E+00	8.592E+02	0.000E+00	SHORT HLIF
SE-75	2.665E-02	1.127E-01	2.121E-01	NOT IDENT.
BR-77	0.000E+00	4.876E+31	0.000E+00	SHORT HLIF
SR-82	0.000E+00	1.444E+02	0.000E+00	SHORT HLIF
RB-83	-5.353E-02	2.892E-01	5.489E-01	NOT IDENT.
RB-84	8.581E+00	7.166E+00	1.544E+01	NOT IDENT.
KR-85	2.469E+00	4.897E+00	8.811E+00	NOT IDENT.
SR-85	1.652E-01	3.288E-01	5.915E-01	NOT IDENT.
RB-86	0.000E+00	3.844E+03	0.000E+00	SHORT HLIF
Y-88	6.937E-03	1.011E-01	2.108E-01	NOT IDENT.
Y-91	4.391E+01	2.711E+02	5.208E+02	NOT IDENT.
NB-94	-2.435E-03	2.205E-02	4.097E-02	NOT IDENT.
NB-95	-4.521E-03	3.888E-01	7.095E-01	NOT IDENT.
NB-95M	3.317E-01	1.157E+00	1.957E+00	NOT IDENT.
ZR-95	-2.781E-01	6.099E-01	1.088E+00	NOT IDENT.
NB-97	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	6.534E+40	0.000E+00	SHORT HLIF
MO-99	0.000E+00	2.395E+27	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
RH-101	-2.209E-02	2.211E-02	4.007E-02	NOT IDENT.
RH-102	1.863E-02	3.542E-02	7.211E-02	NOT IDENT.
RU-103	-6.400E-01	1.656E+00	3.088E+00	NOT IDENT.
RH-106	-2.781E-02	3.161E-01	5.961E-01	NOT IDENT.
RU-106	-2.781E-02	3.161E-01	5.961E-01	NOT IDENT.
AG-108M	-4.871E-03	1.751E-02	3.323E-02	NOT IDENT.
AG-110	-6.311E-01	1.192E+00	1.819E+00	NOT IDENT.
AG-110M	-6.724E-02	6.391E-02	1.018E-01	NOT IDENT.
SN-113	-6.374E-02	1.149E-01	2.139E-01	NOT IDENT.
CD-115	0.000E+00	3.160E+33	0.000E+00	SHORT HLIF
SN-117M	0.000E+00	7.537E+03	0.000E+00	SHORT HLIF
SB-122	0.000E+00	6.943E+26	0.000E+00	SHORT HLIF
TE-123M	-3.499E-02	7.054E-02	1.298E-01	NOT IDENT.
SB-124	1.948E-01	9.305E-01	1.916E+00	NOT IDENT.
SB-125	-6.171E-04	6.607E-02	1.281E-01	NOT IDENT.
TE-125M	5.052E+00	1.252E+02	2.186E+02	NOT IDENT.
I-126	0.000E+00	6.627E+04	0.000E+00	SHORT HLIF
SB-126	0.000E+00	7.570E+04	0.000E+00	SHORT HLIF
SB-127	0.000E+00	5.911E+18	0.000E+00	SHORT HLIF
I-131	0.000E+00	8.784E+07	0.000E+00	SHORT HLIF
I-132	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
TE-132	0.000E+00	2.457E+22	0.000E+00	SHORT HLIF
BA-133	4.047E-03	3.063E-02	5.048E-02	NOT IDENT.
I-133	0.000E+00	1.303E+41	0.000E+00	SHORT HLIF
CS-134	4.738E-02	5.604E-02	6.981E-02	FAIL ABUN
I-135	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CS-136	0.000E+00	2.135E+04	0.000E+00	SHORT HLIF
LA-138	-3.588E-03	4.238E-02	8.061E-02	NOT IDENT.
CE-139	-7.498E-02	7.508E-02	1.170E-01	NOT IDENT.
BA-140	0.000E+00	8.050E+04	0.000E+00	SHORT HLIF
LA-140	0.000E+00	2.789E+04	0.000E+00	SHORT HLIF
CE-141	-3.239E+00	6.355E+00	1.176E+01	NOT IDENT.
CE-143	0.000E+00	5.498E+40	0.000E+00	SHORT HLIF
CE-144	-1.062E-01	2.031E-01	3.781E-01	NOT IDENT.
PM-144	-1.886E-03	4.022E-02	7.084E-02	NOT IDENT.
PR-144	-1.672E-01	3.415E+00	6.013E+00	NOT IDENT.
PM-146	-2.792E-02	3.204E-02	5.200E-02	NOT IDENT.
ND-147	0.000E+00	1.414E+06	0.000E+00	SHORT HLIF
PM-147	1.404E+02	5.322E+02	1.043E+03	NOT IDENT.
PM-149	0.000E+00	4.328E+34	0.000E+00	SHORT HLIF
EU-150	-7.815E-03	2.178E-02	3.374E-02	FAIL ABUN
EU-152	-2.617E-02	6.951E-02	1.156E-01	NOT IDENT.
GD-153	-8.721E-02	1.227E-01	2.001E-01	NOT IDENT.
EU-154	-1.566E-03	7.480E-02	1.456E-01	NOT IDENT.
EU-155	-2.542E-02	7.140E-02	1.362E-01	FAIL ABUN

TB-160	6.943E-02	9.216E-01	1.732E+00	FAIL ABUN
HO-166M	8.586E-03	3.300E-02	6.534E-02	FAIL ABUN
TM-171	1.189E+01	2.465E+01	4.673E+01	NOT IDENT.
HF-172	1.735E-03	1.440E-01	2.776E-01	FAIL ABUN
LU-172	3.898E-02	5.358E-02	1.122E-01	FAIL ABUN
LU-176	-1.087E-02	1.580E-02	2.726E-02	FAIL ABUN
HF-181	-4.121E-01	1.448E+00	2.719E+00	NOT IDENT.
TA-182	3.715E-02	5.327E-01	1.024E+00	NOT IDENT.
RE-183	-8.555E-01	2.087E+00	3.681E+00	FAIL ABUN
RE-184	1.393E-01	1.061E+01	1.822E+01	NOT IDENT.
W-188	-5.983E+00	5.371E+01	8.707E+01	FAIL ABUN
IR-192	6.897E-02	2.011E-01	3.472E-01	FAIL ABUN
HG-203	-2.607E-01	8.573E-01	1.542E+00	NOT IDENT.
TL-204	8.613E-02	4.676E+00	8.339E+00	NOT IDENT.
BI-207	-4.543E-02	3.557E-02	5.815E-02	FAIL ABUN
BI-210	-2.878E+00	4.848E+00	8.543E+00	NOT IDENT.
PB-210	-2.878E+00	4.848E+00	8.543E+00	NOT IDENT.
PB-211	-2.432E-01	4.744E-01	7.662E-01	NOT IDENT.
BI-213	6.479E-02	6.609E-02	1.377E-01	NOT IDENT.
RN-219	1.038E-01	2.315E-01	4.691E-01	NOT IDENT.
RA-223	4.363E-01	4.686E-01	8.367E-01	FAIL ABUN
AC-225	0.000E+00	6.695E+06	0.000E+00	SHORT HLIF
AC-227	-5.370E-02	1.499E-01	2.703E-01	NOT IDENT.
TH-227	-5.370E-02	1.499E-01	2.703E-01	NOT IDENT.
TH-229	1.436E-01	3.022E-01	5.860E-01	FAIL ABUN
PA-231	8.829E-02	3.270E-01	5.508E-01	NOT IDENT.
TH-231	4.363E-01	4.686E-01	8.367E-01	FAIL ABUN
PA-233	3.877E-03	3.952E-02	7.329E-02	NOT IDENT.
PA-234	-8.341E-03	1.845E-01	3.438E-01	NOT IDENT.
PA-234M	5.614E-01	3.540E+00	6.808E+00	NOT IDENT.
NP-237	3.877E-03	3.952E-02	7.329E-02	NOT IDENT.
NP-238	0.000E+00	3.021E+35	0.000E+00	SHORT HLIF
NP-239	-5.361E-02	1.740E-01	2.953E-01	NOT IDENT.
PU-239	1.654E+02	2.123E+02	4.237E+02	NOT IDENT.
CM-243	2.071E-02	6.357E-02	1.264E-01	NOT IDENT.
BK-247	-3.299E-04	5.027E-02	9.286E-02	NOT IDENT.
CM-247	6.120E-03	2.225E-02	4.427E-02	NOT IDENT.
CF-249	2.493E-02	2.545E-02	5.291E-02	NOT IDENT.
CF-251	1.601E-02	7.847E-02	1.498E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 8-MAY-2023 09:15:51.10

Nuclide Line Activity Report

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
K-40	1460.82	545	10.66*	1.013E+00	1.237E+01	1.237E+01	8.57
CR-51	320.08	41	9.91*	3.564E+00	2.880E-01	1.776E+02	98.62
CO-58	810.76	31	99.45*	1.683E+00	4.584E-02	5.648E-01	88.09
CD-109	88.03	102	3.70*	4.538E+00	1.485E+00	2.185E+00	53.67
SN-126	64.28	9	9.60	2.069E+00	1.100E-01	1.100E-01	849.96
	86.94	102	8.90	4.538E+00	6.176E-01	6.176E-01	53.67
	87.57	102	37.00*	4.538E+00	1.485E-01	1.485E-01	53.67
BA-137M	661.66	46	89.90*	2.001E+00	6.210E-02	6.311E-02	87.05
CS-137	661.66	46	85.10*	2.001E+00	6.560E-02	6.667E-02	87.05
TL-208	277.37	------	6.60	3.962E+00	------ Line Not Found		------
	583.19	126	85.00*	2.224E+00	1.641E-01	1.641E-01	35.11
	860.56	52	12.50	1.601E+00	6.406E-01	6.406E-01	64.74
BI-211	72.87	------	1.23	3.165E+00	------ Line Not Found		------
	351.06	314	12.92*	3.311E+00	1.800E+00	1.800E+00	21.45
BI-212	727.33	44	6.67*	1.852E+00	8.777E-01	8.777E-01	63.70
	1620.50	------	1.47	9.391E-01	------ Line Not Found		------
PB-212	74.82	106	10.28	3.358E+00	7.547E-01	7.547E-01	57.32
	77.11	174	17.10	3.633E+00	6.885E-01	6.885E-01	45.36
	238.63	378	43.60*	4.424E+00	4.809E-01	4.809E-01	16.70
	300.09	------	3.30	3.734E+00	------ Line Not Found		------
BI-214	609.32	225	45.49*	2.148E+00	5.659E-01	5.661E-01	21.34
	1120.29	64	14.92	1.267E+00	8.284E-01	8.287E-01	50.08
	1764.49	45	15.30	8.908E-01	8.172E-01	8.174E-01	41.14
PB-214	74.82	106	5.80	3.358E+00	1.338E+00	1.338E+00	57.32
	77.11	174	9.70	3.633E+00	1.214E+00	1.214E+00	45.36
	87.09	102	3.41	4.538E+00	1.612E+00	1.612E+00	53.67
	242.00	102	7.25	4.386E+00	7.901E-01	7.904E-01	78.00
	295.22	208	18.42	3.782E+00	7.338E-01	7.340E-01	28.00
	351.93	314	35.60*	3.311E+00	6.533E-01	6.535E-01	21.45
RN-222	609.32	225	45.49*	2.148E+00	5.659E-01	5.661E-01	21.34
	1120.29	64	14.92	1.267E+00	8.284E-01	8.287E-01	50.08
	1764.49	45	15.30	8.908E-01	8.172E-01	8.174E-01	41.14
RA-224	240.99	102	4.10*	4.386E+00	1.397E+00	1.397E+00	78.00
RA-226	74.82	106	5.80	3.358E+00	1.338E+00	1.338E+00	57.32
	77.11	174	9.70	3.633E+00	1.214E+00	1.214E+00	45.36
	87.09	102	3.41	4.538E+00	1.612E+00	1.612E+00	53.67
	242.00	102	7.25	4.386E+00	7.901E-01	7.904E-01	78.00
	295.22	208	18.42	3.782E+00	7.338E-01	7.340E-01	28.00
	351.93	314	35.60*	3.311E+00	6.533E-01	6.535E-01	21.45
AC-228	105.21	------	1.10	5.511E+00	------ Line Not Found		------
	338.32	49	11.27	3.410E+00	3.128E-01	3.128E-01	94.50
	835.71	------	1.61	1.642E+00	------ Line Not Found		------
	911.20	80	25.80*	1.522E+00	5.028E-01	5.028E-01	39.84
	968.97	23	15.80	1.441E+00	2.507E-01	2.507E-01	169.63
RA-228	105.21	------	1.10	5.511E+00	------ Line Not Found		------
	338.32	49	11.27	3.410E+00	3.128E-01	3.128E-01	94.50
	835.71	------	1.61	1.642E+00	------ Line Not Found		------

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	911.20	80	25.80*	1.522E+00	5.028E-01	5.028E-01	39.84
	968.97	23	15.80	1.441E+00	2.507E-01	2.507E-01	169.63
TH-228	74.82	106	10.28	3.358E+00	7.547E-01	7.547E-01	57.32
	77.11	174	17.10	3.633E+00	6.885E-01	6.885E-01	45.36
	238.63	378	43.60*	4.424E+00	4.809E-01	4.809E-01	16.70
	300.09	------	3.30	3.734E+00	------ Line Not Found		------
TH-230	74.82	106	5.80	3.358E+00	1.338E+00	1.338E+00	57.32
	77.11	174	9.70	3.633E+00	1.214E+00	1.214E+00	45.36
	87.09	102	3.41	4.538E+00	1.612E+00	1.612E+00	53.67
	242.00	102	7.25	4.386E+00	7.901E-01	7.902E-01	78.00
	295.22	208	18.42	3.782E+00	7.338E-01	7.338E-01	28.00
	351.93	314	35.60*	3.311E+00	6.533E-01	6.533E-01	21.45
TH-232	105.21	------	1.10	5.511E+00	------ Line Not Found		------
	338.32	49	11.27	3.410E+00	3.128E-01	3.128E-01	94.50
	835.71	------	1.61	1.642E+00	------ Line Not Found		------
	911.20	80	25.80*	1.522E+00	5.028E-01	5.028E-01	39.84
	968.97	23	15.80	1.441E+00	2.507E-01	2.507E-01	169.63
TH-234	63.29	9	3.70*	2.069E+00	2.854E-01	2.854E-01	849.96
	92.59	76	4.23	4.924E+00	8.914E-01	8.914E-01	110.63
U-234	74.82	106	5.80	3.358E+00	1.338E+00	1.338E+00	57.32
	77.11	174	9.70	3.633E+00	1.214E+00	1.214E+00	45.36
	87.09	102	3.41	4.538E+00	1.612E+00	1.612E+00	53.67
	242.00	102	7.25	4.386E+00	7.901E-01	7.901E-01	78.00
	295.22	208	18.42	3.782E+00	7.338E-01	7.338E-01	28.00
	351.93	314	35.60*	3.311E+00	6.533E-01	6.533E-01	21.45
U-235	89.96	------	3.47	4.745E+00	------ Line Not Found		------
	93.35	76	5.60	4.924E+00	6.734E-01	6.734E-01	110.63
	143.76	------	10.96*	5.783E+00	------ Line Not Found		------
	163.33	------	5.08	5.545E+00	------ Line Not Found		------
	185.72	107	57.20	5.203E+00	8.845E-02	8.845E-02	78.95
	205.31	57	5.01	4.892E+00	5.687E-01	5.687E-01	91.22
U-238	63.29	9	3.70*	2.069E+00	2.854E-01	2.854E-01	849.96
	92.59	76	4.23	4.924E+00	8.914E-01	8.914E-01	110.63
AM-241	59.54	21	35.90*	1.612E+00	8.871E-02	8.881E-02	244.80
AM-243	43.53	------	5.90	2.343E-01	------ Line Not Found		------
	74.66	106	67.20*	3.358E+00	1.154E-01	1.155E-01	57.32
ANH-511	511.00	24	100.00*	2.474E+00	2.368E-02	2.368E-02	231.94

Flag: "*" = Keyline

Sample ID : G1205377295 Acquisition date : 8-MAY-2023 07:15:11

Total number of lines in spectrum 44
Number of unidentified lines 11
Number of lines tentatively identified by NID 33 75.00%

Nuclide Type :

Nuclide	Hlife	Decay	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
K-40	1.25E+09Y	1.00	1.237E+01	1.237E+01	0.106E+01	8.57	
CR-51	27.70D	616.	2.880E-01	1.776E+02	1.751E+02	98.62	
CO-58	70.86D	12.3	4.584E-02	5.648E-01	4.975E-01	88.09	
CD-109	461.40D	1.47	1.485E+00	2.185E+00	1.172E+00	53.67	
SN-126	2.30E+05Y	1.00	1.485E-01	1.485E-01	0.797E-01	53.67	
BA-137M	30.08Y	1.02	6.210E-02	6.311E-02	5.494E-02	87.05	
CS-137	30.08Y	1.02	6.560E-02	6.667E-02	5.804E-02	87.05	
TL-208	1.41E+10Y	1.00	1.641E-01	1.641E-01	0.576E-01	35.11	
BI-211	7.04E+08Y	1.00	1.800E+00	1.800E+00	0.386E+00	21.45	
BI-212	1.41E+10Y	1.00	8.777E-01	8.777E-01	5.591E-01	63.70	
PB-212	1.41E+10Y	1.00	4.809E-01	4.809E-01	0.803E-01	16.70	
BI-214	1600.00Y	1.00	5.659E-01	5.661E-01	1.208E-01	21.34	
PB-214	1600.00Y	1.00	6.533E-01	6.535E-01	1.402E-01	21.45	
RN-222	1600.00Y	1.00	5.659E-01	5.661E-01	1.208E-01	21.34	
RA-224	1.41E+10Y	1.00	1.397E+00	1.397E+00	1.090E+00	78.00	
RA-226	1600.00Y	1.00	6.533E-01	6.535E-01	1.402E-01	21.45	
AC-228	1.41E+10Y	1.00	5.028E-01	5.028E-01	2.003E-01	39.84	
RA-228	1.41E+10Y	1.00	5.028E-01	5.028E-01	2.003E-01	39.84	
TH-228	1.41E+10Y	1.00	4.809E-01	4.809E-01	0.803E-01	16.70	
TH-230	7.54E+04Y	1.00	6.533E-01	6.533E-01	1.402E-01	21.45	
TH-232	1.41E+10Y	1.00	5.028E-01	5.028E-01	2.003E-01	39.84	
TH-234	4.47E+09Y	1.00	2.854E-01	2.854E-01	24.26E-01	849.96	
U-234	2.45E+05Y	1.00	6.533E-01	6.533E-01	1.402E-01	21.45	
U-235	7.04E+08Y	1.00	8.845E-02	8.845E-02	6.984E-02	78.95	K
U-238	4.47E+09Y	1.00	2.854E-01	2.854E-01	24.26E-01	849.96	
AM-241	432.60Y	1.00	8.871E-02	8.881E-02	21.74E-02	244.80	
AM-243	7370.00Y	1.00	1.154E-01	1.155E-01	0.662E-01	57.32	
ANH-511	1.00E+09Y	1.00	2.368E-02	2.368E-02	5.493E-02	231.94	
			---	---			
	Total Activity :		2.581E+01	2.043E+02			

Grand Total Activity : 2.581E+01 2.043E+02

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

Sample ID : G1205377295 Acquisition date : 8-MAY-2023 07:15:11

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
0	112.80	29	304	1.30	225.17	218	12	3.22E-03	****	5.71E+00	T
0	168.04	14	192	1.21	335.59	332	8	1.60E-03	****	5.48E+00	
1	208.65	65	127	1.69	416.77	405	22	7.70E-03	77.7	4.85E+00	
0	410.26	24	78	3.82	819.87	813	12	3.04E-03	****	2.94E+00	T
0	448.29	28	39	3.86	895.91	890	11	3.56E-03	98.5	2.74E+00	
0	591.75	34	36	1.53	1182.76	1175	15	4.46E-03	86.5	2.20E+00	
0	785.88	53	29	5.18	1570.99	1562	19	7.15E-03	57.0	1.73E+00	
0	796.05	22	33	0.66	1591.33	1583	13	3.00E-03	****	1.71E+00	T
0	1171.00	14	21	0.74	2341.28	2333	13	1.92E-03	****	1.22E+00	
0	1237.92	38	25	5.90	2475.13	2465	20	5.38E-03	70.9	1.16E+00	T
0	1312.48	15	6	4.33	2624.30	2617	13	2.09E-03	86.3	1.10E+00	T
0	1334.02	8	19	4.04	2667.39	2658	13	1.15E-03	****	1.09E+00	
0	1363.97	21	9	3.67	2727.31	2720	14	2.94E-03	77.1	1.07E+00	T
0	1369.21	4	3	0.64	2737.78	2733	7	6.25E-04	****	1.07E+00	T
0	1376.39	22	7	3.77	2752.14	2744	16	3.21E-03	68.2	1.06E+00	
0	1411.10	8	13	0.68	2821.58	2814	11	1.20E-03	****	1.04E+00	
0	1545.87	6	5	1.33	3091.22	3084	10	8.71E-04	****	9.71E-01	
0	1600.23	9	8	0.67	3199.99	3187	16	1.35E-03	****	9.47E-01	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 09:16:04.00

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**************************************************************************
*                          GEL Laboratories LLC                          *
*                            2040 Savage Road                            *
*                          Charleston, SC 29407                          *
**************************************************************************
*                                                                        *
*                        DETECTOR AND SAMPLE DATA                        *
*                                                                        *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205377295.CNF;1  *
* Acquisition date :  8-MAY-2023 07:15:11 Sensitivity     : 3.000        *
* Detector ID      : GAM03                Energy tolerance: 1.500        *
* Elapsed live time:    0 02:00:00.00     Abundance limit : 75.000       *
* Elapsed real time:    0 02:00:00.68     Half life ratio : *****        *
* Sample date      : 24-AUG-2022 15:00:00 Nuclide Library : SOLID        *
* Sample ID        : G1205377295          Analyst initials: MJH1         *
* Batch Number     : 2414710              Sample Quantity : 1.5297E+02 GRAM  *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000   *
*                                         Dry Weight      :    0.00000   *
**************************************************************************
*                                                                        *
*                        CALIBRATION INFORMATION                         *
*                                                                        *
* Eff. Cal. date   : 12-OCT-2022 09:50:42 Eff. Geometry   : CAN          *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM03_CAN.CNF;29         *
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Combined Critical Level Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)
K-40	9.762E-02
CR-51	8.142E+01
CO-58	2.164E-01
CD-109	6.581E-01
SN-126	4.508E-02
BA-137M	2.070E-02
CS-137	2.187E-02
TL-208	1.980E-02
BI-211	1.136E-01
BI-212	2.357E-01
PB-212	3.128E-02
BI-214	4.006E-02
PB-214	4.132E-02
RN-222	4.006E-02
RA-224	3.352E-01
RA-226	4.132E-02
AC-228	8.913E-02
RA-228	8.913E-02
TH-228	3.128E-02
TH-230	4.131E-02
TH-232	8.913E-02
TH-234	9.974E-01
U-234	4.131E-02
U-235	1.053E-01
U-238	9.974E-01
AM-241	1.186E-01
AM-243	3.536E-02
ANH-511	1.408E-02

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	4.217E+00	NOT IDENT.
NA-22	2.533E-02	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF

AL-26	1.459E-02	NOT IDENT.
SC-46	1.725E-01	FAIL ABUN
V-48	0.000E+00	SHORT HLIF
MN-52	0.000E+00	SHORT HLIF
MN-54	4.358E-02	NOT IDENT.
CO-56	1.862E-01	FAIL ABUN
MN-56	0.000E+00	SHORT HLIF
CO-57	2.629E-02	NOT IDENT.
FE-59	2.075E+00	NOT IDENT.
CO-60	2.926E-02	NOT IDENT.
ZN-65	9.687E-02	NOT IDENT.
GE-68	1.281E+00	NOT IDENT.
AS-73	6.279E+00	NOT IDENT.
AS-74	0.000E+00	SHORT HLIF
SE-75	9.973E-02	NOT IDENT.
BR-77	0.000E+00	SHORT HLIF
SR-82	0.000E+00	SHORT HLIF
RB-83	2.499E-01	NOT IDENT.
RB-84	7.014E+00	NOT IDENT.
KR-85	4.070E+00	NOT IDENT.
SR-85	2.732E-01	NOT IDENT.
RB-86	0.000E+00	SHORT HLIF
Y-88	8.504E-02	NOT IDENT.
Y-91	2.377E+02	NOT IDENT.
NB-94	1.870E-02	NOT IDENT.
NB-95	3.239E-01	NOT IDENT.
NB-95M	9.278E-01	NOT IDENT.
ZR-95	4.876E-01	NOT IDENT.
NB-97	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	SHORT HLIF
MO-99	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	SHORT HLIF
RH-101	1.901E-02	NOT IDENT.
RH-102	3.273E-02	NOT IDENT.
RU-103	1.405E+00	NOT IDENT.
RH-106	2.718E-01	NOT IDENT.
RU-106	2.718E-01	NOT IDENT.
AG-108M	1.526E-02	NOT IDENT.
AG-110	8.329E-01	NOT IDENT.
AG-110M	4.484E-02	NOT IDENT.
SN-113	9.876E-02	NOT IDENT.
CD-115	0.000E+00	SHORT HLIF
SN-117M	0.000E+00	SHORT HLIF
SB-122	0.000E+00	SHORT HLIF
TE-123M	6.159E-02	NOT IDENT.
SB-124	8.107E-01	NOT IDENT.
SB-125	5.921E-02	NOT IDENT.
TE-125M	1.041E+02	NOT IDENT.
I-126	0.000E+00	SHORT HLIF
SB-126	0.000E+00	SHORT HLIF
SB-127	0.000E+00	SHORT HLIF
I-131	0.000E+00	SHORT HLIF
I-132	0.000E+00	SHORT HLIF
TE-132	0.000E+00	SHORT HLIF
BA-133	2.346E-02	NOT IDENT.
I-133	0.000E+00	SHORT HLIF
CS-134	3.198E-02	FAIL ABUN
I-135	0.000E+00	SHORT HLIF
CS-136	0.000E+00	SHORT HLIF
LA-138	3.534E-02	NOT IDENT.
CE-139	5.559E-02	NOT IDENT.
BA-140	0.000E+00	SHORT HLIF
LA-140	0.000E+00	SHORT HLIF
CE-141	5.579E+00	NOT IDENT.
CE-143	0.000E+00	SHORT HLIF
CE-144	1.789E-01	NOT IDENT.
PM-144	3.252E-02	NOT IDENT.
PR-144	2.760E+00	NOT IDENT.
PM-146	2.387E-02	NOT IDENT.
ND-147	0.000E+00	SHORT HLIF
PM-147	4.958E+02	NOT IDENT.
PM-149	0.000E+00	SHORT HLIF
EU-150	1.581E-02	FAIL ABUN
EU-152	5.382E-02	NOT IDENT.
GD-153	9.511E-02	NOT IDENT.
EU-154	6.384E-02	NOT IDENT.
EU-155	6.470E-02	FAIL ABUN
TB-160	7.824E-01	FAIL ABUN

HO-166M	2.934E-02	FAIL ABUN
TM-171	2.219E+01	NOT IDENT.
HF-172	1.319E-01	FAIL ABUN
LU-172	5.078E-02	FAIL ABUN
LU-176	1.262E-02	FAIL ABUN
HF-181	1.250E+00	NOT IDENT.
TA-182	4.622E-01	NOT IDENT.
RE-183	1.746E+00	FAIL ABUN
RE-184	8.229E+00	NOT IDENT.
W-188	4.065E+01	FAIL ABUN
IR-192	1.606E-01	FAIL ABUN
HG-203	7.217E-01	NOT IDENT.
TL-204	3.994E+00	NOT IDENT.
BI-207	2.563E-02	FAIL ABUN
BI-210	4.050E+00	NOT IDENT.
PB-210	4.050E+00	NOT IDENT.
PB-211	3.524E-01	NOT IDENT.
BI-213	6.411E-02	NOT IDENT.
RN-219	2.171E-01	NOT IDENT.
RA-223	3.938E-01	FAIL ABUN
AC-225	0.000E+00	SHORT HLIF
AC-227	1.265E-01	NOT IDENT.
TH-227	1.265E-01	NOT IDENT.
TH-229	2.774E-01	FAIL ABUN
PA-231	2.580E-01	NOT IDENT.
TH-231	3.938E-01	FAIL ABUN
PA-233	3.417E-02	NOT IDENT.
PA-234	1.528E-01	NOT IDENT.
PA-234M	3.118E+00	NOT IDENT.
NP-237	3.417E-02	NOT IDENT.
NP-238	0.000E+00	SHORT HLIF
NP-239	1.400E-01	NOT IDENT.
PU-239	2.023E+02	NOT IDENT.
CM-243	6.003E-02	NOT IDENT.
BK-247	4.361E-02	NOT IDENT.
CM-247	2.053E-02	NOT IDENT.
CF-249	2.475E-02	NOT IDENT.
CF-251	7.109E-02	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 09:16:07.90

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205377295.CNF;1		
Acquisition date	: 8-MAY-2023 07:15:11	Sensitivity	: 3.000
Detector ID	: GAM03	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:00.68	Half life ratio	: *****
Sample date	: 24-AUG-2022 15:00:00	Nuclide Library	: SOLID
Sample ID	: G1205377295	Analyst initials	: MJH1
Batch Number	: 2414710	Sample Quantity	: 1.5297E+02 GRAM
		Quantity Err(%)	: 1.3074E-03 %
Wet wt corr	: 1.00000	Wet Weight	: 0.00000
		Dry Weight	: 0.00000

CALIBRATION INFORMATION

Eff. Cal. date	: 12-OCT-2022 09:50:42	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM03_CAN.CNF;29		

Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Act Error (1.96-sigma)	TPU (1.96-sigma)
K-40	1.237E+01	1.548E+00	1.548E+00
CR-51	1.776E+02	1.724E+02	1.724E+02
CO-58	5.648E-01	4.900E-01	4.900E-01
CD-109	2.185E+00	1.169E+00	1.169E+00
SN-126	1.485E-01	7.912E-02	7.912E-02
BA-137M	6.311E-02	5.411E-02	5.411E-02
CS-137	6.667E-02	5.716E-02	5.716E-02
TL-208	1.641E-01	5.836E-02	5.836E-02
BI-211	1.800E+00	4.153E-01	4.153E-01
BI-212	8.777E-01	5.535E-01	5.535E-01
PB-212	4.809E-01	9.012E-02	9.012E-02
BI-214	5.661E-01	1.286E-01	1.286E-01
PB-214	6.535E-01	1.504E-01	1.504E-01
RN-222	5.661E-01	1.286E-01	1.286E-01
RA-224	1.397E+00	1.076E+00	1.076E+00
RA-226	6.535E-01	1.504E-01	1.504E-01
AC-228	5.028E-01	2.015E-01	2.015E-01
RA-228	5.028E-01	2.015E-01	2.015E-01
TH-228	4.809E-01	9.012E-02	9.012E-02
TH-230	6.533E-01	1.503E-01	1.503E-01
TH-232	5.028E-01	2.015E-01	2.015E-01
TH-234	2.854E-01	2.378E+00	2.378E+00
U-234	6.533E-01	1.503E-01	1.503E-01
U-235	-4.733E-02	1.230E-01	1.230E-01
U-238	2.854E-01	2.378E+00	2.378E+00
AM-241	8.881E-02	2.132E-01	2.132E-01
AM-243	1.155E-01	6.553E-02	6.553E-02
ANH-511	2.368E-02	5.387E-02	5.387E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	-2.154E+00	4.949E+00	5.044E+00	NOT IDENT.
NA-22	3.899E-03	2.893E-02	2.898E-02	NOT IDENT.

NA-24	1.000E+41	1.681E+41	0.000E+00	SHORT HLIF
AL-26	-4.106E-03	1.899E-02	1.908E-02	NOT IDENT.
SC-46	1.555E-01	1.839E-01	1.968E-01	FAIL ABUN
V-48	-1.084E+03	1.903E+03	1.965E+03	SHORT HLIF
MN-52	-3.189E+11	1.878E+12	1.883E+12	SHORT HLIF
MN-54	4.808E-02	4.646E-02	5.127E-02	NOT IDENT.
CO-56	8.003E-02	2.093E-01	2.124E-01	FAIL ABUN
MN-56	1.000E+41	2.615E+41	0.000E+00	SHORT HLIF
CO-57	-3.777E-03	2.890E-02	2.895E-02	NOT IDENT.
FE-59	-1.731E+00	2.619E+00	2.733E+00	NOT IDENT.
CO-60	2.170E-02	3.130E-02	3.280E-02	NOT IDENT.
ZN-65	7.827E-02	1.132E-01	1.186E-01	NOT IDENT.
GE-68	4.603E-02	1.464E+00	1.464E+00	NOT IDENT.
AS-73	2.578E+00	7.060E+00	7.155E+00	NOT IDENT.
AS-74	-7.308E+02	8.632E+02	9.239E+02	SHORT HLIF
SE-75	2.665E-02	1.127E-01	1.134E-01	NOT IDENT.
BR-77	2.979E+32	2.208E+33	0.000E+00	SHORT HLIF
SR-82	-1.148E+01	1.444E+02	1.445E+02	SHORT HLIF
RB-83	-5.353E-02	2.893E-01	2.903E-01	NOT IDENT.
RB-84	8.581E+00	7.206E+00	8.178E+00	NOT IDENT.
KR-85	2.469E+00	4.902E+00	5.027E+00	NOT IDENT.
SR-85	1.652E-01	3.291E-01	3.375E-01	NOT IDENT.
RB-86	9.590E+02	3.845E+03	3.869E+03	SHORT HLIF
Y-88	6.937E-03	1.011E-01	1.012E-01	NOT IDENT.
Y-91	4.391E+01	2.711E+02	2.719E+02	NOT IDENT.
NB-94	-2.435E-03	2.205E-02	2.208E-02	NOT IDENT.
NB-95	-4.521E-03	3.888E-01	3.888E-01	NOT IDENT.
NB-95M	3.317E-01	1.157E+00	1.167E+00	NOT IDENT.
ZR-95	-2.781E-01	6.104E-01	6.231E-01	NOT IDENT.
NB-97	-1.000E+41	3.617E+42	0.000E+00	SHORT HLIF
ZR-97	1.000E+41	6.597E+40	0.000E+00	SHORT HLIF
MO-99	-5.404E+26	2.396E+27	0.000E+00	SHORT HLIF
TC-99M	1.000E+41	8.383E+42	0.000E+00	SHORT HLIF
RH-101	-2.209E-02	2.251E-02	2.461E-02	NOT IDENT.
RH-102	1.863E-02	3.548E-02	3.646E-02	NOT IDENT.
RU-103	-6.400E-01	1.658E+00	1.683E+00	NOT IDENT.
RH-106	-2.781E-02	3.161E-01	3.164E-01	NOT IDENT.
RU-106	-2.781E-02	3.161E-01	3.164E-01	NOT IDENT.
AG-108M	-4.871E-03	1.751E-02	1.765E-02	NOT IDENT.
AG-110	-6.311E-01	1.194E+00	1.227E+00	NOT IDENT.
AG-110M	-6.724E-02	6.420E-02	7.100E-02	NOT IDENT.
SN-113	-6.374E-02	1.151E-01	1.186E-01	NOT IDENT.
CD-115	1.015E+32	3.160E+33	0.000E+00	SHORT HLIF
SN-117M	-1.871E+02	7.537E+03	7.537E+03	SHORT HLIF
SB-122	1.690E+26	6.944E+26	0.000E+00	SHORT HLIF
TE-123M	-3.499E-02	7.059E-02	7.233E-02	NOT IDENT.
SB-124	1.948E-01	9.306E-01	9.347E-01	NOT IDENT.
SB-125	-6.171E-04	6.607E-02	6.607E-02	NOT IDENT.
TE-125M	5.052E+00	1.252E+02	1.252E+02	NOT IDENT.
I-126	2.557E+04	6.636E+04	6.736E+04	SHORT HLIF
SB-126	1.204E+04	7.573E+04	7.593E+04	SHORT HLIF
SB-127	1.033E+18	6.035E+18	0.000E+00	SHORT HLIF
I-131	2.225E+07	8.786E+07	8.843E+07	SHORT HLIF
I-132	1.000E+41	2.321E+42	0.000E+00	SHORT HLIF
TE-132	1.709E+21	2.458E+22	0.000E+00	SHORT HLIF
BA-133	4.047E-03	3.063E-02	3.068E-02	NOT IDENT.
I-133	-1.000E+41	2.026E+41	0.000E+00	SHORT HLIF
CS-134	4.738E-02	5.619E-02	6.011E-02	FAIL ABUN
I-135	-1.000E+41	1.451E+42	0.000E+00	SHORT HLIF
CS-136	-1.606E+04	2.145E+04	2.264E+04	SHORT HLIF
LA-138	-3.588E-03	4.238E-02	4.241E-02	NOT IDENT.
CE-139	-7.498E-02	7.671E-02	8.382E-02	NOT IDENT.
BA-140	-3.248E+04	8.055E+04	8.187E+04	SHORT HLIF
LA-140	-8.793E+02	2.789E+04	2.790E+04	SHORT HLIF
CE-141	-3.239E+00	6.359E+00	6.525E+00	NOT IDENT.
CE-143	1.000E+41	5.637E+40	0.000E+00	SHORT HLIF
CE-144	-1.062E-01	2.033E-01	2.088E-01	NOT IDENT.
PM-144	-1.886E-03	4.022E-02	4.023E-02	NOT IDENT.
PR-144	-1.672E-01	3.415E+00	3.416E+00	NOT IDENT.
PM-146	-2.792E-02	3.219E-02	3.456E-02	NOT IDENT.
ND-147	-1.121E+06	1.418E+06	1.505E+06	SHORT HLIF
PM-147	1.404E+02	5.323E+02	5.360E+02	NOT IDENT.
PM-149	-1.359E+34	4.338E+34	0.000E+00	SHORT HLIF
EU-150	-7.815E-03	2.179E-02	2.207E-02	FAIL ABUN
EU-152	-2.617E-02	6.956E-02	7.055E-02	NOT IDENT.
GD-153	-8.721E-02	1.229E-01	1.290E-01	NOT IDENT.
EU-154	-1.566E-03	7.480E-02	7.481E-02	NOT IDENT.
EU-155	-2.542E-02	7.143E-02	7.235E-02	FAIL ABUN

TB-160	6.943E-02	9.216E-01	9.221E-01	FAIL ABUN
HO-166M	8.586E-03	3.301E-02	3.324E-02	FAIL ABUN
TM-171	1.189E+01	2.468E+01	2.526E+01	NOT IDENT.
HF-172	1.735E-03	1.440E-01	1.440E-01	FAIL ABUN
LU-172	3.898E-02	5.379E-02	5.659E-02	FAIL ABUN
LU-176	-1.087E-02	1.583E-02	1.658E-02	FAIL ABUN
HF-181	-4.121E-01	1.448E+00	1.460E+00	NOT IDENT.
TA-182	3.715E-02	5.327E-01	5.329E-01	NOT IDENT.
RE-183	-8.555E-01	2.091E+00	2.127E+00	FAIL ABUN
RE-184	1.393E-01	1.061E+01	1.061E+01	NOT IDENT.
W-188	-5.983E+00	5.372E+01	5.379E+01	FAIL ABUN
IR-192	6.897E-02	2.012E-01	2.036E-01	FAIL ABUN
HG-203	-2.607E-01	8.577E-01	8.657E-01	NOT IDENT.
TL-204	8.613E-02	4.676E+00	4.676E+00	NOT IDENT.
BI-207	-4.543E-02	3.577E-02	4.122E-02	FAIL ABUN
BI-210	-2.878E+00	4.859E+00	5.029E+00	NOT IDENT.
PB-210	-2.878E+00	4.859E+00	5.029E+00	NOT IDENT.
PB-211	-2.432E-01	4.750E-01	4.875E-01	NOT IDENT.
BI-213	6.479E-02	6.635E-02	7.250E-02	NOT IDENT.
RN-219	1.038E-01	2.320E-01	2.367E-01	NOT IDENT.
RA-223	4.363E-01	4.709E-01	5.103E-01	FAIL ABUN
AC-225	2.973E+06	6.781E+06	6.912E+06	SHORT HLIF
AC-227	-5.370E-02	1.501E-01	1.521E-01	NOT IDENT.
TH-227	-5.370E-02	1.501E-01	1.521E-01	NOT IDENT.
TH-229	1.436E-01	3.024E-01	3.092E-01	FAIL ABUN
PA-231	8.829E-02	3.277E-01	3.301E-01	NOT IDENT.
TH-231	4.363E-01	4.709E-01	5.103E-01	FAIL ABUN
PA-233	3.877E-03	3.952E-02	3.956E-02	NOT IDENT.
PA-234	-8.341E-03	1.847E-01	1.848E-01	NOT IDENT.
PA-234M	5.614E-01	3.540E+00	3.549E+00	NOT IDENT.
NP-237	3.877E-03	3.952E-02	3.956E-02	NOT IDENT.
NP-238	-1.987E+35	3.025E+35	0.000E+00	SHORT HLIF
NP-239	-5.361E-02	1.741E-01	1.757E-01	NOT IDENT.
PU-239	1.654E+02	2.127E+02	2.254E+02	NOT IDENT.
CM-243	2.071E-02	6.361E-02	6.429E-02	NOT IDENT.
BK-247	-3.299E-04	5.027E-02	5.027E-02	NOT IDENT.
CM-247	6.120E-03	2.228E-02	2.245E-02	NOT IDENT.
CF-249	2.493E-02	2.561E-02	2.797E-02	NOT IDENT.
CF-251	1.601E-02	7.850E-02	7.883E-02	NOT IDENT.

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

GAMMA SPECTROSCOPY BACKGROUND REPORT

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
43.53	125.0818	85.43	166.7410	131.20	115.0402
45.60	102.5448	86.55	188.2677	133.02	127.5925
46.54	129.7043	86.79	152.0887	133.52	118.2149
49.72	0.0000	86.94	152.1272	136.00	99.6092
51.35	108.9254	87.09	152.1648	136.47	106.3114
51.87	114.0136	87.57	152.2864	140.51	0.0000
52.39	102.9831	88.03	152.4019	143.76	113.9618
52.97	93.1807	88.34	152.4806	144.24	120.7346
53.44	100.7426	88.47	152.5130	145.44	129.5439
54.07	143.2332	89.96	152.8857	152.43	106.4193
57.36	0.0000	1093.63	153.0545	153.25	0.0000
57.53	117.9748	91.11	0.0000	323.87	125.0554
57.98	126.8826	92.59	153.5357	156.02	0.0000
59.27	117.1554	93.35	153.7220	158.56	0.0000
59.32	117.1678	94.56	154.0168	159.00	129.6325
59.54	117.2224	94.65	116.8724	162.33	118.3721
60.96	146.6501	94.67	116.8757	162.66	0.0000
61.17	146.7143	94.87	116.9129	163.33	118.6984
62.93	144.7094	97.43	137.6181	165.86	159.0947
63.29	144.8155	98.43	117.8316	176.31	98.3112
63.58	144.9012	98.44	117.8336	176.60	0.0000
64.28	138.3180	99.53	118.2110	177.52	110.3665
66.73	138.1426	100.11	121.9276	181.07	0.0000
67.24	153.6456	102.03	133.1515	181.52	101.8350
125.81	158.9043	103.18	112.5112	184.41	117.1547
67.75	149.9545	103.37	109.8206	143.76	103.2724
68.89	166.1287	105.21	132.8717	193.51	91.9470
69.67	160.5475	105.31	132.8917	197.03	110.5113
70.82	170.1814	106.12	125.7588	198.01	101.4831
70.83	170.1855	106.47	131.2939	201.83	88.6125
72.81	182.4678	109.28	133.2018	203.43	97.9277
72.87	182.4883	111.00	125.7290	205.31	78.6848
74.66	166.2119	111.76	0.0000	210.85	79.0914
74.82	166.2607	114.06	110.6024	215.65	77.3750
74.97	166.3066	116.30	0.0000	218.12	0.0000
77.11	166.9541	116.74	119.3398	222.11	105.8422
78.74	143.8941	119.76	124.4766	227.09	94.8426
79.69	150.6875	121.12	116.3286	227.38	94.8667
80.03	150.7761	121.22	116.3445	228.16	0.0000
80.12	150.8015	121.78	127.6090	228.18	102.2359
80.19	0.0000	122.06	127.6564	116.74	102.2359
80.57	154.8579	122.92	112.8768	235.69	102.3748
81.00	164.1674	123.07	112.8990	235.96	102.3976
81.07	164.1874	265.00	113.9245	238.63	99.9982
81.75	182.7917	125.81	119.8626	238.98	0.0000
82.47	171.1700	127.23	144.4753	240.99	100.1972
83.79	151.7614	127.91	135.2135	242.00	100.2823
84.00	151.8158	129.30	124.1676	244.70	85.6958

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.40	0.0000	344.28	69.6419	563.25	33.6040
252.80	78.8117	345.93	42.7185	564.24	0.0000
254.15	0.0000	351.06	66.2896	569.33	37.5468
256.23	79.0307	351.93	66.3274	946.00	37.5492
260.90	0.0000	355.39	0.0000	569.70	33.7012
264.66	76.3360	356.01	55.0342	583.19	40.2975
264.80	76.3446	364.49	0.0000	584.27	40.3165
265.00	79.5825	366.42	0.0000	595.83	0.0000
269.46	67.9885	372.51	67.1876	427.87	42.1651
270.03	69.0990	375.05	53.3700	602.52	0.0000
271.23	91.8568	377.52	59.2603	604.72	50.0625
273.65	0.0000	356.01	66.4861	607.14	44.0456
276.40	75.9473	388.16	49.9933	609.32	44.0868
277.37	60.8022	388.63	0.0000	610.33	31.3633
277.60	59.7266	391.69	59.7667	614.28	28.2744
278.00	54.3131	264.66	46.8287	618.01	42.2822
279.20	79.3700	401.81	43.3236	620.36	33.4656
279.54	78.3032	402.40	49.5289	621.93	37.4271
279.70	76.1367	404.85	55.2684	630.19	0.0000
280.46	83.7989	410.95	49.7742	631.29	24.7192
283.69	69.8203	413.71	64.0953	633.25	32.6566
284.31	0.0000	414.70	0.0000	634.78	0.0000
285.41	73.1858	423.72	0.0000	635.95	30.7115
285.90	0.0000	427.09	51.1257	636.99	0.0000
287.50	76.5824	427.87	50.2501	657.50	51.1703
290.67	69.0857	433.94	47.7183	657.76	39.9805
293.27	0.0000	439.40	45.1515	657.90	0.0000
351.93	69.3151	440.45	41.5633	661.66	39.0417
295.96	69.3523	453.88	60.6720	664.57	0.0000
879.38	62.8668	463.37	43.9028	666.33	0.0000
299.98	69.5535	468.07	36.6754	666.50	0.0000
300.09	69.5587	473.00	0.0000	667.71	0.0000
300.13	69.5612	475.06	42.3297	677.62	32.2383
301.36	66.3074	476.78	51.5771	685.70	0.0000
302.85	56.4214	477.60	55.2841	692.65	0.0000
256.23	63.1335	482.18	48.9483	695.00	0.0000
304.85	0.0000	487.02	0.0000	696.49	35.5191
306.78	67.6731	492.35	0.0000	696.51	35.5202
308.46	65.5311	497.08	40.9418	697.00	0.0000
311.90	61.2361	505.52	53.8198	697.30	38.5764
316.51	43.5616	507.63	0.0000	697.49	38.5787
319.41	0.0000	511.00	34.6644	702.65	38.6552
320.08	60.4644	514.00	39.0305	706.68	34.6392
321.04	78.9912	514.00	39.0308	711.68	22.4565
323.87	60.6204	520.40	37.6453	720.70	0.0000
325.23	79.5535	520.69	0.0000	721.93	0.0000
328.76	0.0000	522.65	0.0000	722.78	26.2406
333.37	81.3457	527.90	0.0000	722.91	26.2414
333.97	84.7687	528.26	40.6209	723.31	24.6050
334.37	94.9666	529.59	38.7566	724.19	27.8948
338.28	83.8778	529.87	0.0000	727.33	24.6423
338.32	83.8793	531.02	0.0000	733.00	29.6323
311.90	59.5934	537.26	0.0000	735.93	22.6606
340.48	59.5934	546.56	0.0000	333.97	24.7346
340.55	0.0000	552.55	34.3960	739.50	0.0000

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
744.23	0.0000	949.00	23.2213	1384.29	13.6137
747.24	31.0291	667.71	0.0000	1408.01	16.5885
748.06	37.2458	962.31	28.4211	1434.09	0.0000
752.31	32.1220	964.08	37.3222	1435.80	18.0246
753.82	0.0000	966.17	40.0133	1457.56	0.0000
756.73	32.1740	911.20	40.0463	1460.82	3.3560
756.80	32.1750	983.53	0.0000	1489.16	7.0899
884.68	41.6223	984.45	0.0000	1505.03	7.1138
765.81	28.1140	1274.44	28.0342	1584.12	14.4594
766.42	22.9124	1001.03	21.3356	1596.21	0.0000
766.84	20.8325	1002.74	29.2103	1620.50	7.2823
772.60	0.0000	1004.73	29.2278	1621.92	9.3656
776.52	0.0000	507.63	0.0000	1678.03	0.0000
739.50	0.0000	1025.87	0.0000	1690.97	8.4367
778.90	20.0854	1028.54	0.0000	1750.46	0.0000
783.70	0.0000	1037.84	27.2358	1764.49	7.4840
788.74	29.3920	1038.76	0.0000	1063.66	8.9189
792.07	29.4261	631.29	24.5716	1771.35	5.3525
795.86	29.4655	1048.07	0.0000	1791.20	0.0000
810.06	25.3799	1049.04	23.6780	1808.65	6.4664
810.29	25.3813	1050.41	15.4876	1810.72	0.0000
344.28	25.3828	1063.66	36.5762	1836.06	5.4153
810.76	25.3857	1077.00	0.0000		
815.77	0.0000	1077.34	22.9468		
1048.07	0.0000	1085.87	25.7592		
832.01	42.6147	1093.63	20.2823		
834.85	29.8585	1099.45	25.8549		
835.71	37.3344	1112.07	24.7070		
836.80	0.0000	1112.84	21.6232		
846.75	0.0000	1115.54	17.0013		
846.77	21.4124	1120.29	22.2844		
856.80	0.0000	1120.55	22.2855		
860.56	27.9622	1221.41	22.2902		
871.09	25.8999	1129.67	26.3730		
873.19	24.8376	1131.51	0.0000		
875.33	0.0000	1147.95	0.0000		
879.38	28.1336	1173.23	21.9661		
880.51	19.4843	1177.95	33.5122		
881.60	16.2424	1189.05	29.3017		
883.24	26.0017	1204.77	34.1613		
884.68	33.6007	1221.41	27.6335		
889.28	18.4532	1231.02	30.2457		
894.76	22.8348	1235.36	0.0000		
898.04	27.2125	1238.28	15.3094		
900.72	27.2354	1260.41	0.0000		
903.28	29.0747	1271.87	14.4697		
911.20	36.0696	1274.44	17.3742		
912.08	36.0786	1274.54	15.4445		
923.98	0.0000	1291.59	23.2605		
926.50	20.8659	1298.22	0.0000		
929.11	32.9727	1312.11	0.0000		
935.54	0.0000	1332.49	16.6339		
937.49	31.9550	1362.66	0.0000		
944.13	0.0000	1365.19	0.0000		
946.00	22.0953	1368.63	0.0000		

VAX/VMS Nuclide Identification Report Generated 8-MAY-2023 07:09:11.93

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205377296.CNF;1
Background file  : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM14.CNF;874
                                     Background date  : 7-MAY-2023 09:37:17.
Sample date      : 17-APR-2023 00:00:00 Acquisition date : 8-MAY-2023 06:53:40.
Sample ID        : G1205377296          Sample quantity  : 1.15000E+02 GRAM
Detector name    : GAM14                Detector geometry: CAN
Elapsed live time: 0 00:15:00.00        Elapsed real time: 0 00:15:03.01  0.3%
Energy tolerance : 1.50000 keV          Analyst Initials : MJH1
Abundance limit  : 75.00000             Sensitivity      : 3.00000
Batch ID         : 2414710              Detector SN#     :
Matrix Spike ID  :                      LCS ID           :
*************************************************************************
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BACKGROUND CORRECTED SAMPLE PEAK REPORT

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	46.47*	3840	3249	1.01	93.33	87	11	4.27E+00	3.3	
2	0	59.53	14519	3019	1.02	119.44	113	12	1.61E+01	1.1	
3	0	88.89	168	821	3.34	178.16	173	11	1.87E-01	34.1	
4	0	156.01	61	479	1.55	312.37	309	8	6.75E-02	63.9	
5	0	318.60	71	373	1.19	637.51	633	9	7.93E-02	50.2	
6	0	364.77	33	307	0.54	729.83	728	7	3.69E-02	88.9	
7	0	468.19	103	641	1.04	936.64	931	12	1.14E-01	50.2	
8	0	582.35*	51	137	1.07	1164.94	1162	8	5.68E-02	41.8	
9	0	661.56	11466	194	1.37	1323.34	1317	14	1.27E+01	1.0	
10	0	670.05*	29	81	1.34	1340.34	1337	8	3.25E-02	56.2	
11	0	781.74	31	109	2.55	1563.69	1559	10	3.42E-02	66.7	
12	0	836.37	42	163	5.28	1672.95	1664	15	4.71E-02	67.7	
13	0	846.89	32	143	2.43	1693.99	1691	11	3.58E-02	74.9	
14	0	886.50	36	86	1.80	1773.20	1770	8	4.03E-02	47.2	
15	0	937.29	40	155	1.65	1874.78	1871	9	4.49E-02	57.5	
16	0	1024.55	38	152	0.91	2049.29	2040	14	4.26E-02	70.4	
17	0	1029.06	55	114	2.82	2058.31	2053	12	6.06E-02	41.5	
18	0	1047.69	14	92	0.55	2095.58	2093	8	1.61E-02	116.8	
19	0	1069.55	18	57	1.29	2139.31	2136	6	2.00E-02	70.4	
20	0	1120.50	63	183	6.73	2241.20	2228	22	7.03E-02	57.7	
21	0	1172.97*	3501	87	1.66	2346.13	2340	15	3.89E+00	1.8	
22	0	1250.54	26	17	0.55	2501.28	2494	15	2.90E-02	40.8	
23	0	1332.21	3166	49	1.85	2664.63	2655	18	3.52E+00	1.9	
24	0	1351.89	8	0	1.07	2704.00	2701	7	8.89E-03	35.4	
25	0	1413.49	10	0	1.06	2827.20	2824	7	1.11E-02	31.6	
26	0	1434.31	5	5	0.52	2868.84	2863	9	5.78E-03	96.5	
27	0	1631.93	7	1	1.25	3264.10	3261	6	7.36E-03	48.3	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 8-MAY-2023 07:09:13

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205377296.CNF;1		
Analyses by	: PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4		
Sample title	: MJH1		
Sample date	: 17-APR-2023 00:00:00	Acquisition date	: 8-MAY-2023 06:53:40
Sample ID	: G1205377296	Sample quantity	: 115.00 GRAM
Sample type	: SOLID	Sample geometry	:
Detector name	: GAMMA14	Detector geometry	: CAN
Elapsed live time	: 0 00:15:00.00	Elapsed real time	: 0 00:15:03.01 0.3%
Energy tolerance	: 1.50 keV	Half life ratio	: 10.00
Errors propagated	: No	Systematic Error	: 0.00 %
Efficiency type	: Empirical	Efficiencies at	: Peak Energy
Abundance limit	: 75.00		

Interference Report

No interference correction performed

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
CR-51	320.08	72	9.91*	4.229E+00	4.482E+00	7.636E+00	100.39
CO-60	1173.23	3334	99.85	1.375E+00	6.342E+01	6.391E+01	3.57
	1332.49	2998	99.98*	1.226E+00	6.387E+01	6.436E+01	3.70
CD-109	88.03	178	3.70*	5.728E+00	2.198E+01	2.269E+01	68.16
I-131	80.19	------	2.62	4.929E+00	------ Line Not Found		------
	284.31	------	6.12	4.601E+00	------ Line Not Found		------
	364.49	33	81.50*	3.818E+00	2.795E-01	1.756E+00	177.76
	636.99	------	7.16	2.425E+00	------ Line Not Found		------
BA-137M	661.66	11198	89.90*	2.346E+00	1.387E+02	1.389E+02	1.94
CS-137	661.66	11198	85.10*	2.346E+00	1.465E+02	1.467E+02	1.94
TL-208	277.37	------	6.60	4.684E+00	------ Line Not Found		------
	583.19	50	85.00*	2.621E+00	5.884E-01	5.884E-01	83.68
	860.56	------	12.50	1.844E+00	------ Line Not Found		------
BI-210	46.54	4181	4.25*	6.041E-01	4.253E+03	4.260E+03	6.59
PB-210	46.54	4181	4.25*	6.041E-01	4.253E+03	4.260E+03	6.59
AM-241	59.54	15657	35.90*	2.182E+00	5.219E+02	5.220E+02	2.25

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 07:09:14.03

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205377296.CNF;1		
Acquisition date	: 8-MAY-2023 06:53:40	Sensitivity	: 3.000
Detector ID	: GAM14	Energy tolerance	: 1.500
Elapsed live time	: 0 00:15:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 00:15:03.01	Half life ratio	: *****
Sample date	: 17-APR-2023 00:00:00	Analyst initials	: MJH1
Sample ID	: G1205377296	Sample Quantity	: 1.1500E+02 GRAM
Batch Number	: 2414710	Wet Weight	: 0.00000
Wet wt corr	: 1.00000	Dry Weight	: 0.00000
Nuclide Library	: SOLID.NLB;17		

CALIBRATION INFORMATION

Eff. Cal. date	: 12-OCT-2022 11:20:08	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM14_CAN.CNF;22		

Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Cnt uncert (1.96-sigma)	MDA (pCi/GRAM)
CR-51	7.636E+00	7.512E+00	7.842E+00
CO-60	6.436E+01	2.336E+00	4.518E-01
CD-109	2.269E+01	1.516E+01	1.111E+01
I-131	1.756E+00	3.059E+00	3.955E+00
BA-137M	1.389E+02	2.639E+00	6.195E-01
CS-137	1.467E+02	2.788E+00	6.544E-01
TL-208	5.884E-01	4.825E-01	6.599E-01
BI-210	4.260E+03	2.751E+02	1.591E+02
PB-210	4.260E+03	2.751E+02	1.591E+02
AM-241	5.220E+02	1.150E+01	4.732E+00

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	-1.360E+00	4.652E+00	8.235E+00	NOT IDENT.
NA-22	7.304E-02	1.783E-01	3.862E-01	NOT IDENT.
NA-24	0.000E+00	2.399E+09	0.000E+00	SHORT HLIF
AL-26	-5.554E-02	1.487E-01	2.835E-01	NOT IDENT.
K-40	-6.009E-02	1.469E+00	3.147E+00	NOT IDENT.
SC-46	-2.592E-01	5.442E-01	8.059E-01	FAIL ABUN
V-48	2.326E-01	1.242E+00	2.161E+00	NOT IDENT.
MN-52	1.559E+00	2.949E+00	4.460E+00	FAIL ABUN
MN-54	8.894E-02	3.836E-01	6.849E-01	NOT IDENT.
CO-56	5.268E-01	7.731E-01	9.096E-01	FAIL ABUN
MN-56	0.000E+00	1.468E+41	0.000E+00	SHORT HLIF
CO-57	-2.300E-02	2.262E-01	3.970E-01	NOT IDENT.
CO-58	4.157E-01	4.502E-01	8.413E-01	NOT IDENT.
FE-59	-1.126E-01	1.227E+00	2.085E+00	NOT IDENT.
ZN-65	8.240E-01	9.926E-01	1.812E+00	NOT IDENT.
GE-68	-4.819E+00	1.589E+01	2.663E+01	NOT IDENT.
AS-73	-1.812E+01	2.090E+01	3.707E+01	NOT IDENT.
AS-74	2.241E-01	1.119E+00	2.035E+00	NOT IDENT.
SE-75	1.367E-01	4.857E-01	8.294E-01	NOT IDENT.
BR-77	4.247E+02	5.305E+02	9.310E+02	NOT IDENT.

SR-82	-8.785E-01	4.136E+00	6.848E+00	NOT IDENT.
RB-83	5.774E-01	7.886E-01	1.472E+00	NOT IDENT.
RB-84	1.026E-01	9.466E-01	1.587E+00	NOT IDENT.
KR-85	1.103E+01	7.403E+01	1.339E+02	NOT IDENT.
SR-85	6.364E-02	4.187E-01	7.572E-01	NOT IDENT.
RB-86	-4.971E+00	1.229E+01	2.043E+01	NOT IDENT.
Y-88	-2.827E-02	1.641E-01	3.370E-01	NOT IDENT.
Y-91	1.900E+01	1.434E+02	2.766E+02	NOT IDENT.
NB-94	-5.952E-02	2.840E-01	5.005E-01	NOT IDENT.
NB-95	-2.800E-01	4.304E-01	7.258E-01	NOT IDENT.
NB-95M	-7.195E-01	1.251E+00	2.066E+00	NOT IDENT.
ZR-95	-8.125E-02	7.378E-01	1.299E+00	NOT IDENT.
NB-97	0.000E+00	1.780E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	7.663E+09	0.000E+00	SHORT HLIF
MO-99	2.014E+01	5.252E+02	9.397E+02	NOT IDENT.
TC-99M	0.000E+00	7.409E+24	0.000E+00	SHORT HLIF
RH-101	2.005E-02	2.824E-01	4.972E-01	NOT IDENT.
RH-102	-5.508E-02	5.179E-01	9.223E-01	FAIL ABUN
RU-103	-2.786E-01	5.322E-01	9.326E-01	NOT IDENT.
RH-106	1.097E+00	3.043E+00	5.581E+00	NOT IDENT.
RU-106	1.097E+00	3.043E+00	5.581E+00	NOT IDENT.
AG-108M	-6.653E-02	3.838E-01	6.869E-01	NOT IDENT.
AG-110	3.809E+00	8.525E+00	1.407E+01	NOT IDENT.
AG-110M	6.851E-02	6.405E-01	1.007E+00	FAIL ABUN
SN-113	5.278E-01	5.644E-01	1.057E+00	NOT IDENT.
CD-115	-4.732E+01	8.874E+02	1.587E+03	NOT IDENT.
SN-117M	-2.843E-01	6.662E-01	1.046E+00	FAIL ABUN
SB-122	-7.396E+01	9.546E+01	1.637E+02	NOT IDENT.
TE-123M	-8.679E-02	2.634E-01	4.159E-01	NOT IDENT.
SB-124	2.748E-01	4.642E-01	1.080E+00	NOT IDENT.
SB-125	-1.171E-01	1.147E+00	2.062E+00	NOT IDENT.
TE-125M	-7.130E+01	9.065E+01	1.557E+02	NOT IDENT.
I-126	1.026E+00	3.292E+00	4.435E+00	NOT IDENT.
SB-126	-3.574E-01	2.018E+00	3.537E+00	NOT IDENT.
SN-126	0.000E+00	1.468E+00	1.185E+00	FAIL ABUN
SB-127	-8.383E-01	3.376E+01	6.057E+01	NOT IDENT.
I-132	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
TE-132	-8.673E+00	2.885E+01	4.829E+01	NOT IDENT.
BA-133	-3.759E-01	4.457E-01	7.889E-01	NOT IDENT.
I-133	0.000E+00	8.904E+06	0.000E+00	SHORT HLIF
CS-134	-2.504E-01	4.149E-01	6.993E-01	NOT IDENT.
I-135	0.000E+00	2.132E+23	0.000E+00	SHORT HLIF
CS-136	9.082E-01	2.079E+00	3.123E+00	FAIL ABUN
LA-138	1.698E-01	3.212E-01	4.251E-01	FAIL ABUN
CE-139	-1.834E-01	2.662E-01	4.478E-01	NOT IDENT.
BA-140	-9.124E-01	3.800E+00	6.751E+00	NOT IDENT.
LA-140	4.631E-01	5.872E-01	1.393E+00	NOT IDENT.
CE-141	-2.338E-01	5.957E-01	1.024E+00	NOT IDENT.
CE-143	0.000E+00	2.838E+04	0.000E+00	SHORT HLIF
CE-144	-1.091E-01	1.739E+00	3.042E+00	NOT IDENT.
PM-144	-1.303E-01	3.078E-01	5.329E-01	NOT IDENT.
PR-144	-9.964E+00	2.309E+01	3.996E+01	NOT IDENT.
PM-146	9.810E-02	5.914E-01	1.066E+00	NOT IDENT.
ND-147	-2.394E+00	8.966E+00	1.590E+01	FAIL ABUN
PM-147	-2.269E+03	6.601E+03	1.148E+04	NOT IDENT.
PM-149	-2.271E+03	6.828E+03	1.125E+04	NOT IDENT.
EU-150	-4.711E-02	2.911E-01	4.794E-01	FAIL ABUN
EU-152	-6.983E-01	9.847E-01	1.757E+00	NOT IDENT.
GD-153	-3.105E-01	7.515E-01	1.318E+00	NOT IDENT.
EU-154	1.383E-01	5.112E-01	1.081E+00	NOT IDENT.
EU-155	-3.474E-01	9.097E-01	1.592E+00	NOT IDENT.
TB-160	-5.870E-01	1.610E+00	2.736E+00	FAIL ABUN
HO-166M	-1.409E-01	5.571E-01	9.752E-01	NOT IDENT.
TM-171	1.617E+02	4.167E+02	7.574E+02	NOT IDENT.
HF-172	6.760E-01	1.696E+00	3.026E+00	NOT IDENT.
LU-172	1.303E-01	8.305E-01	1.435E+00	FAIL ABUN
LU-176	-3.701E-02	2.813E-01	4.668E-01	FAIL ABUN
HF-181	-3.090E-01	6.078E-01	1.067E+00	NOT IDENT.
TA-182	1.091E-01	1.012E+00	1.991E+00	FAIL ABUN
RE-183	0.000E+00	5.318E+00	1.144E+01	FAIL ABUN
RE-184	8.594E-01	1.808E+00	3.226E+00	NOT IDENT.
W-188	6.829E+01	8.414E+01	1.460E+02	NOT IDENT.
IR-192	-5.138E-02	4.320E-01	6.568E-01	FAIL ABUN
HG-203	-1.866E-01	4.240E-01	6.973E-01	NOT IDENT.
TL-204	4.026E+01	4.459E+01	8.298E+01	NOT IDENT.
BI-207	-2.441E-01	6.451E-01	1.076E+00	NOT IDENT.
BI-211	1.492E-01	2.139E+00	3.931E+00	NOT IDENT.
PB-211	3.918E+00	8.315E+00	1.534E+01	NOT IDENT.

BI-212	-7.170E-01	4.862E+00	8.547E+00	NOT IDENT.
PB-212	1.775E-01	5.690E-01	9.783E-01	NOT IDENT.
BI-213	-2.394E-02	1.405E+00	2.523E+00	NOT IDENT.
BI-214	-1.767E-03	6.558E-01	1.177E+00	FAIL ABUN
PB-214	3.286E-01	7.694E-01	1.433E+00	NOT IDENT.
RN-219	1.080E+00	4.717E+00	8.630E+00	NOT IDENT.
RN-222	-1.767E-03	6.558E-01	1.177E+00	FAIL ABUN
RA-223	-4.540E+00	6.971E+00	1.120E+01	NOT IDENT.
RA-224	-4.243E-01	6.199E+00	1.045E+01	NOT IDENT.
AC-225	-1.424E+00	9.440E+00	1.594E+01	NOT IDENT.
RA-226	3.286E-01	7.694E-01	1.433E+00	NOT IDENT.
AC-227	1.204E+00	2.569E+00	4.431E+00	NOT IDENT.
TH-227	1.204E+00	2.569E+00	4.431E+00	NOT IDENT.
AC-228	-4.533E-01	1.848E+00	3.146E+00	FAIL ABUN
RA-228	-4.533E-01	1.848E+00	3.146E+00	FAIL ABUN
TH-228	1.775E-01	5.690E-01	9.783E-01	NOT IDENT.
TH-229	4.401E-01	5.169E+00	8.882E+00	FAIL ABUN
TH-230	3.286E-01	7.693E-01	1.433E+00	NOT IDENT.
PA-231	4.168E+00	5.061E+00	8.790E+00	NOT IDENT.
TH-231	-4.540E+00	6.971E+00	1.120E+01	NOT IDENT.
TH-232	-4.533E-01	1.848E+00	3.146E+00	FAIL ABUN
PA-233	-3.538E-01	7.130E-01	1.158E+00	NOT IDENT.
PA-234	1.771E+00	4.115E+00	7.273E+00	NOT IDENT.
PA-234M	1.316E+01	5.689E+01	9.963E+01	NOT IDENT.
TH-234	5.066E-01	1.326E+01	2.249E+01	NOT IDENT.
U-234	3.286E-01	7.693E-01	1.433E+00	NOT IDENT.
U-235	9.705E-01	1.682E+00	3.009E+00	FAIL ABUN
NP-237	-3.538E-01	7.130E-01	1.158E+00	NOT IDENT.
NP-238	0.000E+00	2.065E+03	0.000E+00	SHORT HLIF
U-238	5.066E-01	1.326E+01	2.249E+01	NOT IDENT.
NP-239	8.565E-01	2.297E+00	4.116E+00	NOT IDENT.
PU-239	-4.349E+02	2.939E+03	5.132E+03	NOT IDENT.
AM-243	2.177E-01	4.532E-01	8.306E-01	NOT IDENT.
CM-243	1.903E-01	9.272E-01	1.660E+00	NOT IDENT.
BK-247	1.375E-01	8.400E-01	1.427E+00	NOT IDENT.
CM-247	5.780E-02	4.334E-01	7.900E-01	NOT IDENT.
CF-249	-1.334E-01	4.740E-01	8.518E-01	NOT IDENT.
CF-251	9.496E-01	1.086E+00	1.950E+00	NOT IDENT.
ANH-511	-1.745E-01	3.338E-01	5.967E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 8-MAY-2023 07:09:12.71

Nuclide Line Activity Report

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
CR-51	320.08	72	9.91*	4.229E+00	4.482E+00	7.636E+00	100.39
CO-60	1173.23	3334	99.85	1.375E+00	6.342E+01	6.391E+01	3.57
	1332.49	2998	99.98*	1.226E+00	6.387E+01	6.436E+01	3.70
CD-109	88.03	178	3.70*	5.728E+00	2.198E+01	2.269E+01	68.16
I-131	80.19	------	2.62	4.929E+00	------ Line Not Found		------
	284.31	------	6.12	4.601E+00	------ Line Not Found		------
	364.49	33	81.50*	3.818E+00	2.795E-01	1.756E+00	177.76
	636.99	------	7.16	2.425E+00	------ Line Not Found		------
BA-137M	661.66	11198	89.90*	2.346E+00	1.387E+02	1.389E+02	1.94
CS-137	661.66	11198	85.10*	2.346E+00	1.465E+02	1.467E+02	1.94
TL-208	277.37	------	6.60	4.684E+00	------ Line Not Found		------
	583.19	50	85.00*	2.621E+00	5.884E-01	5.884E-01	83.68
	860.56	------	12.50	1.844E+00	------ Line Not Found		------
BI-210	46.54	4181	4.25*	6.041E-01	4.253E+03	4.260E+03	6.59
PB-210	46.54	4181	4.25*	6.041E-01	4.253E+03	4.260E+03	6.59
AM-241	59.54	15657	35.90*	2.182E+00	5.219E+02	5.220E+02	2.25

Flag: "*" = Keyline

Sample ID : G1205377296 Acquisition date : 8-MAY-2023 06:53:40

Total number of lines in spectrum 27
Number of unidentified lines 8
Number of lines tentatively identified by NID 19 70.37%

Nuclide Type :

Nuclide	Hlife	Decay	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
CR-51	27.70D	1.70	4.482E+00	7.636E+00	7.665E+00	100.39	
CO-60	5.27Y	1.01	6.387E+01	6.436E+01	0.238E+01	3.70	
CD-109	461.40D	1.03	2.198E+01	2.269E+01	1.547E+01	68.16	
I-131	8.03D	6.28	2.795E-01	1.756E+00	3.122E+00	177.76	
BA-137M	30.08Y	1.00	1.387E+02	1.389E+02	0.027E+02	1.94	
CS-137	30.08Y	1.00	1.465E+02	1.467E+02	0.028E+02	1.94	
TL-208	1.41E+10Y	1.00	5.884E-01	5.884E-01	4.923E-01	83.68	
BI-210	22.20Y	1.00	4.253E+03	4.260E+03	0.281E+03	6.59	
PB-210	22.20Y	1.00	4.253E+03	4.260E+03	0.281E+03	6.59	
AM-241	432.60Y	1.00	5.219E+02	5.220E+02	0.117E+02	2.25	
Total Activity :			9.403E+03	9.425E+03			

Grand Total Activity : 9.403E+03 9.425E+03

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

Sample ID : G1205377296 Acquisition date : 8-MAY-2023 06:53:40

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
0	156.01	63	497	1.55	312.37	309	8	6.75E-02	****	6.62E+00	T
0	468.19	102	635	1.04	936.64	931	12	1.14E-01	****	3.14E+00	T
0	670.05	29	79	1.34	1340.34	1337	8	3.25E-02	****	2.32E+00	
0	781.74	30	106	2.55	1563.69	1559	10	3.42E-02	****	2.02E+00	
0	836.37	41	157	5.28	1672.95	1664	15	4.71E-02	****	1.89E+00	T
0	846.89	31	138	2.43	1693.99	1691	11	3.58E-02	****	1.87E+00	T
0	886.50	35	83	1.80	1773.20	1770	8	4.03E-02	94.5	1.79E+00	
0	937.29	39	149	1.65	1874.78	1871	9	4.49E-02	****	1.70E+00	T
0	1024.55	37	145	0.91	2049.29	2040	14	4.26E-02	****	1.56E+00	T
0	1029.06	52	110	2.82	2058.31	2053	12	6.06E-02	82.9	1.56E+00	T
0	1047.69	14	88	0.55	2095.58	2093	8	1.61E-02	****	1.53E+00	T
0	1069.55	17	55	1.29	2139.31	2136	6	2.00E-02	****	1.50E+00	
0	1120.50	60	174	6.73	2241.20	2228	22	7.03E-02	****	1.44E+00	T
0	1250.54	25	16	0.55	2501.28	2494	15	2.90E-02	81.6	1.30E+00	
0	1351.89	8	0	1.07	2704.00	2701	7	8.89E-03	70.7	1.21E+00	
0	1413.49	9	0	1.06	2827.20	2824	7	1.11E-02	63.2	1.17E+00	
0	1434.31	5	5	0.52	2868.84	2863	9	5.78E-03	****	1.15E+00	T
0	1631.93	6	1	1.25	3264.10	3261	6	7.36E-03	96.7	1.05E+00	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 07:09:23.74

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205377296.CNF;1  *
* Acquisition date :  8-MAY-2023 06:53:40 Sensitivity     : 3.000       *
* Detector ID      : GAM14                Energy tolerance: 1.500       *
* Elapsed live time:    0 00:15:00.00     Abundance limit : 75.000      *
* Elapsed real time:    0 00:15:03.01     Half life ratio : *****       *
* Sample date      : 17-APR-2023 00:00:00 Nuclide Library : SOLID       *
* Sample ID        : G1205377296          Analyst initials: MJH1        *
* Batch Number     : 2414710              Sample Quantity : 1.1500E+02 GRAM  *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000  *
*                                         Dry Weight      :    0.00000  *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 12-OCT-2022 11:20:08 Eff. Geometry   : CAN         *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM14_CAN.CNF;22         *
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Combined Critical Level Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)
CR-51	3.778E+00
CO-60	1.970E-01
CD-109	5.378E+00
I-131	1.907E+00
BA-137M	2.930E-01
CS-137	3.096E-01
TL-208	3.141E-01
BI-210	7.818E+01
PB-210	7.818E+01
AM-241	2.321E+00

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	3.974E+00	NOT IDENT.
NA-22	1.651E-01	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF
AL-26	1.061E-01	NOT IDENT.
K-40	1.283E+00	NOT IDENT.
SC-46	3.795E-01	FAIL ABUN
V-48	1.026E+00	NOT IDENT.
MN-52	1.802E+00	FAIL ABUN
MN-54	3.231E-01	NOT IDENT.
CO-56	4.321E-01	FAIL ABUN
MN-56	0.000E+00	SHORT HLIF
CO-57	1.922E-01	NOT IDENT.
CO-58	3.984E-01	NOT IDENT.
FE-59	9.835E-01	NOT IDENT.
ZN-65	8.553E-01	NOT IDENT.
GE-68	1.254E+01	NOT IDENT.
AS-73	1.823E+01	NOT IDENT.
AS-74	9.644E-01	NOT IDENT.
SE-75	4.008E-01	NOT IDENT.
BR-77	4.509E+02	NOT IDENT.
SR-82	3.218E+00	NOT IDENT.

RB-83	7.040E-01	NOT IDENT.
RB-84	7.490E-01	NOT IDENT.
KR-85	6.414E+01	NOT IDENT.
SR-85	3.628E-01	NOT IDENT.
RB-86	9.615E+00	NOT IDENT.
Y-88	1.271E-01	NOT IDENT.
Y-91	1.254E+02	NOT IDENT.
NB-94	2.344E-01	NOT IDENT.
NB-95	3.413E-01	NOT IDENT.
NB-95M	9.991E-01	NOT IDENT.
ZR-95	6.103E-01	NOT IDENT.
NB-97	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	SHORT HLIF
MO-99	4.405E+02	NOT IDENT.
TC-99M	0.000E+00	SHORT HLIF
RH-101	2.410E-01	NOT IDENT.
RH-102	4.352E-01	FAIL ABUN
RU-103	4.475E-01	NOT IDENT.
RH-106	2.642E+00	NOT IDENT.
RU-106	2.642E+00	NOT IDENT.
AG-108M	3.318E-01	NOT IDENT.
AG-110	6.685E+00	NOT IDENT.
AG-110M	4.750E-01	FAIL ABUN
SN-113	5.116E-01	NOT IDENT.
CD-115	7.596E+02	NOT IDENT.
SN-117M	5.048E-01	FAIL ABUN
SB-122	7.766E+01	NOT IDENT.
TE-123M	2.007E-01	NOT IDENT.
SB-124	4.480E-01	NOT IDENT.
SB-125	9.954E-01	NOT IDENT.
TE-125M	7.533E+01	NOT IDENT.
I-126	2.074E+00	NOT IDENT.
SB-126	1.669E+00	NOT IDENT.
SN-126	5.756E-01	FAIL ABUN
SB-127	2.834E+01	NOT IDENT.
I-132	0.000E+00	SHORT HLIF
TE-132	2.340E+01	NOT IDENT.
BA-133	3.798E-01	NOT IDENT.
I-133	0.000E+00	SHORT HLIF
CS-134	3.285E-01	NOT IDENT.
I-135	0.000E+00	SHORT HLIF
CS-136	1.474E+00	FAIL ABUN
LA-138	1.659E-01	FAIL ABUN
CE-139	2.163E-01	NOT IDENT.
BA-140	3.212E+00	NOT IDENT.
LA-140	5.863E-01	NOT IDENT.
CE-141	4.947E-01	NOT IDENT.
CE-143	0.000E+00	SHORT HLIF
CE-144	1.472E+00	NOT IDENT.
PM-144	2.500E-01	NOT IDENT.
PR-144	1.875E+01	NOT IDENT.
PM-146	5.163E-01	NOT IDENT.
ND-147	7.585E+00	FAIL ABUN
PM-147	5.555E+03	NOT IDENT.
PM-149	5.431E+03	NOT IDENT.
EU-150	2.307E-01	FAIL ABUN
EU-152	8.452E-01	NOT IDENT.
GD-153	6.382E-01	NOT IDENT.
EU-154	4.613E-01	NOT IDENT.
EU-155	7.701E-01	NOT IDENT.
TB-160	1.289E+00	FAIL ABUN
HO-166M	4.580E-01	NOT IDENT.
TM-171	3.725E+02	NOT IDENT.
HF-172	1.467E+00	NOT IDENT.
LU-172	6.789E-01	FAIL ABUN
LU-176	2.247E-01	FAIL ABUN
HF-181	5.135E-01	NOT IDENT.
TA-182	8.839E-01	FAIL ABUN
RE-183	5.656E+00	FAIL ABUN
RE-184	1.534E+00	NOT IDENT.
W-188	7.061E+01	NOT IDENT.
IR-192	3.161E-01	FAIL ABUN
HG-203	3.359E-01	NOT IDENT.
TL-204	4.029E+01	NOT IDENT.
BI-207	5.066E-01	NOT IDENT.
BI-211	1.896E+00	NOT IDENT.
PB-211	7.407E+00	NOT IDENT.
BI-212	4.029E+00	NOT IDENT.

PB-212	4.736E-01	NOT IDENT.
BI-213	1.221E+00	NOT IDENT.
BI-214	5.579E-01	FAIL ABUN
PB-214	6.913E-01	NOT IDENT.
RN-219	4.165E+00	NOT IDENT.
RN-222	5.579E-01	FAIL ABUN
RA-223	5.388E+00	NOT IDENT.
RA-224	5.058E+00	NOT IDENT.
AC-225	7.728E+00	NOT IDENT.
RA-226	6.913E-01	NOT IDENT.
AC-227	2.141E+00	NOT IDENT.
TH-227	2.141E+00	NOT IDENT.
AC-228	1.495E+00	FAIL ABUN
RA-228	1.495E+00	FAIL ABUN
TH-228	4.736E-01	NOT IDENT.
TH-229	4.307E+00	FAIL ABUN
TH-230	6.913E-01	NOT IDENT.
PA-231	4.246E+00	NOT IDENT.
TH-231	5.388E+00	NOT IDENT.
TH-232	1.495E+00	FAIL ABUN
PA-233	5.579E-01	NOT IDENT.
PA-234	3.464E+00	NOT IDENT.
PA-234M	4.721E+01	NOT IDENT.
TH-234	1.089E+01	NOT IDENT.
U-234	6.913E-01	NOT IDENT.
U-235	1.457E+00	FAIL ABUN
NP-237	5.579E-01	NOT IDENT.
NP-238	0.000E+00	SHORT HLIF
U-238	1.089E+01	NOT IDENT.
NP-239	1.993E+00	NOT IDENT.
PU-239	2.485E+03	NOT IDENT.
AM-243	4.029E-01	NOT IDENT.
CM-243	8.041E-01	NOT IDENT.
BK-247	6.892E-01	NOT IDENT.
CM-247	3.812E-01	NOT IDENT.
CF-249	4.113E-01	NOT IDENT.
CF-251	9.424E-01	NOT IDENT.
ANH-511	2.863E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 08-MAY-2023 07:09:27.50

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205377296.CNF;1		
Acquisition date	: 8-MAY-2023 06:53:40	Sensitivity	: 3.000
Detector ID	: GAM14	Energy tolerance	: 1.500
Elapsed live time	: 0 00:15:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 00:15:03.01	Half life ratio	: *****
Sample date	: 17-APR-2023 00:00:00	Nuclide Library	: SOLID
Sample ID	: G1205377296	Analyst initials	: MJH1
Batch Number	: 2414710	Sample Quantity	: 1.1500E+02 GRAM
		Quantity Err(%)	: 1.7391E-03 %
Wet wt corr	: 1.00000	Wet Weight	: 0.00000
		Dry Weight	: 0.00000

CALIBRATION INFORMATION

Eff. Cal. date	: 12-OCT-2022 11:20:08	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM14_CAN.CNF;22		

Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Act Error (1.96-sigma)	TPU (1.96-sigma)
CR-51	7.636E+00	7.539E+00	7.539E+00
CO-60	6.436E+01	6.043E+00	6.043E+00
CD-109	2.269E+01	1.537E+01	1.537E+01
I-131	1.756E+00	3.063E+00	3.063E+00
BA-137M	1.389E+02	1.192E+01	1.192E+01
CS-137	1.467E+02	1.259E+01	1.259E+01
TL-208	5.884E-01	4.852E-01	4.852E-01
BI-210	4.260E+03	5.279E+02	5.279E+02
PB-210	4.260E+03	5.279E+02	5.279E+02
AM-241	5.220E+02	5.820E+01	5.820E+01

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	-1.360E+00	4.653E+00	4.694E+00	NOT IDENT.
NA-22	7.304E-02	1.784E-01	1.815E-01	NOT IDENT.
NA-24	2.411E+09	2.409E+09	2.643E+09	SHORT HLIF
AL-26	-5.554E-02	1.487E-01	1.508E-01	NOT IDENT.
K-40	-6.009E-02	1.469E+00	1.469E+00	NOT IDENT.
SC-46	-2.592E-01	5.447E-01	5.571E-01	FAIL ABUN
V-48	2.326E-01	1.242E+00	1.246E+00	NOT IDENT.
MN-52	1.559E+00	2.952E+00	3.034E+00	FAIL ABUN
MN-54	8.894E-02	3.837E-01	3.858E-01	NOT IDENT.
CO-56	5.268E-01	7.745E-01	8.101E-01	FAIL ABUN
MN-56	1.000E+41	1.470E+41	0.000E+00	SHORT HLIF
CO-57	-2.300E-02	2.263E-01	2.265E-01	NOT IDENT.
CO-58	4.157E-01	4.517E-01	4.891E-01	NOT IDENT.
FE-59	-1.126E-01	1.227E+00	1.228E+00	NOT IDENT.
ZN-65	8.240E-01	9.950E-01	1.062E+00	NOT IDENT.
GE-68	-4.819E+00	1.590E+01	1.605E+01	NOT IDENT.
AS-73	-1.812E+01	2.129E+01	2.280E+01	NOT IDENT.
AS-74	2.241E-01	1.120E+00	1.124E+00	NOT IDENT.
SE-75	1.367E-01	4.859E-01	4.898E-01	NOT IDENT.
BR-77	4.247E+02	5.922E+02	6.224E+02	NOT IDENT.

SR-82	-8.785E-01	4.137E+00	4.156E+00	NOT IDENT.
RB-83	5.774E-01	7.938E-01	8.354E-01	NOT IDENT.
RB-84	1.026E-01	9.466E-01	9.478E-01	NOT IDENT.
KR-85	1.103E+01	7.404E+01	7.420E+01	NOT IDENT.
SR-85	6.364E-02	4.187E-01	4.197E-01	NOT IDENT.
RB-86	-4.971E+00	1.230E+01	1.250E+01	NOT IDENT.
Y-88	-2.827E-02	1.641E-01	1.646E-01	NOT IDENT.
Y-91	1.900E+01	1.434E+02	1.437E+02	NOT IDENT.
NB-94	-5.952E-02	2.841E-01	2.853E-01	NOT IDENT.
NB-95	-2.800E-01	4.311E-01	4.492E-01	NOT IDENT.
NB-95M	-7.195E-01	1.254E+00	1.295E+00	NOT IDENT.
ZR-95	-8.125E-02	7.378E-01	7.387E-01	NOT IDENT.
NB-97	1.000E+41	1.782E+41	0.000E+00	SHORT HLIF
ZR-97	-3.193E+09	7.668E+09	7.802E+09	SHORT HLIF
MO-99	2.014E+01	5.252E+02	5.253E+02	NOT IDENT.
TC-99M	1.621E+24	7.412E+24	0.000E+00	SHORT HLIF
RH-101	2.005E-02	2.824E-01	2.825E-01	NOT IDENT.
RH-102	-5.508E-02	5.179E-01	5.185E-01	FAIL ABUN
RU-103	-2.786E-01	5.328E-01	5.474E-01	NOT IDENT.
RH-106	1.097E+00	3.045E+00	3.084E+00	NOT IDENT.
RU-106	1.097E+00	3.045E+00	3.084E+00	NOT IDENT.
AG-108M	-6.653E-02	3.838E-01	3.850E-01	NOT IDENT.
AG-110	3.809E+00	8.531E+00	8.702E+00	NOT IDENT.
AG-110M	6.851E-02	6.405E-01	6.412E-01	FAIL ABUN
SN-113	5.278E-01	5.661E-01	6.141E-01	NOT IDENT.
CD-115	-4.732E+01	8.874E+02	8.877E+02	NOT IDENT.
SN-117M	-2.843E-01	6.666E-01	6.788E-01	FAIL ABUN
SB-122	-7.396E+01	9.568E+01	1.013E+02	NOT IDENT.
TE-123M	-8.679E-02	2.635E-01	2.664E-01	NOT IDENT.
SB-124	2.748E-01	4.647E-01	4.810E-01	NOT IDENT.
SB-125	-1.171E-01	1.147E+00	1.148E+00	NOT IDENT.
TE-125M	-7.130E+01	9.084E+01	9.636E+01	NOT IDENT.
I-126	1.026E+00	3.293E+00	3.326E+00	NOT IDENT.
SB-126	-3.574E-01	2.019E+00	2.025E+00	NOT IDENT.
SN-126	2.198E+00	1.484E+00	1.785E+00	FAIL ABUN
SB-127	-8.383E-01	3.376E+01	3.376E+01	NOT IDENT.
I-132	1.000E+41	3.538E+41	0.000E+00	SHORT HLIF
TE-132	-8.673E+00	2.887E+01	2.913E+01	NOT IDENT.
BA-133	-3.759E-01	4.469E-01	4.779E-01	NOT IDENT.
I-133	1.523E+06	8.908E+06	8.934E+06	SHORT HLIF
CS-134	-2.504E-01	4.155E-01	4.306E-01	NOT IDENT.
I-135	7.841E+20	2.132E+23	0.000E+00	SHORT HLIF
CS-136	9.082E-01	2.082E+00	2.121E+00	FAIL ABUN
LA-138	1.698E-01	3.215E-01	3.305E-01	FAIL ABUN
CE-139	-1.834E-01	2.689E-01	2.814E-01	NOT IDENT.
BA-140	-9.124E-01	3.801E+00	3.823E+00	NOT IDENT.
LA-140	4.631E-01	5.885E-01	6.244E-01	NOT IDENT.
CE-141	-2.338E-01	5.960E-01	6.052E-01	NOT IDENT.
CE-143	-1.087E+03	2.838E+04	2.839E+04	SHORT HLIF
CE-144	-1.091E-01	1.739E+00	1.740E+00	NOT IDENT.
PM-144	-1.303E-01	3.080E-01	3.135E-01	NOT IDENT.
PR-144	-9.964E+00	2.311E+01	2.354E+01	NOT IDENT.
PM-146	9.810E-02	5.915E-01	5.932E-01	NOT IDENT.
ND-147	-2.394E+00	8.968E+00	9.033E+00	FAIL ABUN
PM-147	-2.269E+03	6.604E+03	6.682E+03	NOT IDENT.
PM-149	-2.271E+03	6.837E+03	6.913E+03	NOT IDENT.
EU-150	-4.711E-02	2.912E-01	2.919E-01	FAIL ABUN
EU-152	-6.983E-01	9.868E-01	1.036E+00	NOT IDENT.
GD-153	-3.105E-01	7.520E-01	7.649E-01	NOT IDENT.
EU-154	1.383E-01	5.114E-01	5.152E-01	NOT IDENT.
EU-155	-3.474E-01	9.103E-01	9.237E-01	NOT IDENT.
TB-160	-5.870E-01	1.611E+00	1.632E+00	FAIL ABUN
HO-166M	-1.409E-01	5.573E-01	5.609E-01	NOT IDENT.
TM-171	1.617E+02	4.172E+02	4.235E+02	NOT IDENT.
HF-172	6.760E-01	1.700E+00	1.727E+00	NOT IDENT.
LU-172	1.303E-01	8.306E-01	8.327E-01	FAIL ABUN
LU-176	-3.701E-02	2.813E-01	2.818E-01	FAIL ABUN
HF-181	-3.090E-01	6.084E-01	6.242E-01	NOT IDENT.
TA-182	1.091E-01	1.013E+00	1.014E+00	FAIL ABUN
RE-183	7.639E+01	1.140E+01	3.627E+01	FAIL ABUN
RE-184	8.594E-01	1.811E+00	1.852E+00	NOT IDENT.
W-188	6.829E+01	8.462E+01	9.004E+01	NOT IDENT.
IR-192	-5.138E-02	4.320E-01	4.326E-01	FAIL ABUN
HG-203	-1.866E-01	4.243E-01	4.325E-01	NOT IDENT.
TL-204	4.026E+01	4.482E+01	4.836E+01	NOT IDENT.
BI-207	-2.441E-01	6.455E-01	6.548E-01	NOT IDENT.
BI-211	1.492E-01	2.139E+00	2.140E+00	NOT IDENT.
PB-211	3.918E+00	8.323E+00	8.508E+00	NOT IDENT.

BI-212	-7.170E-01	4.863E+00	4.874E+00	NOT IDENT.
PB-212	1.775E-01	5.692E-01	5.748E-01	NOT IDENT.
BI-213	-2.394E-02	1.405E+00	1.405E+00	NOT IDENT.
BI-214	-1.767E-03	6.558E-01	6.558E-01	FAIL ABUN
PB-214	3.286E-01	7.699E-01	7.840E-01	NOT IDENT.
RN-219	1.080E+00	4.720E+00	4.745E+00	NOT IDENT.
RN-222	-1.767E-03	6.558E-01	6.558E-01	FAIL ABUN
RA-223	-4.540E+00	6.985E+00	7.278E+00	NOT IDENT.
RA-224	-4.243E-01	6.199E+00	6.202E+00	NOT IDENT.
AC-225	-1.424E+00	9.441E+00	9.463E+00	NOT IDENT.
RA-226	3.286E-01	7.699E-01	7.840E-01	NOT IDENT.
AC-227	1.204E+00	2.575E+00	2.631E+00	NOT IDENT.
TH-227	1.204E+00	2.575E+00	2.631E+00	NOT IDENT.
AC-228	-4.533E-01	1.848E+00	1.860E+00	FAIL ABUN
RA-228	-4.533E-01	1.848E+00	1.860E+00	FAIL ABUN
TH-228	1.775E-01	5.692E-01	5.748E-01	NOT IDENT.
TH-229	4.401E-01	5.170E+00	5.173E+00	FAIL ABUN
TH-230	3.286E-01	7.698E-01	7.840E-01	NOT IDENT.
PA-231	4.168E+00	5.147E+00	5.479E+00	NOT IDENT.
TH-231	-4.540E+00	6.985E+00	7.278E+00	NOT IDENT.
TH-232	-4.533E-01	1.848E+00	1.860E+00	FAIL ABUN
PA-233	-3.538E-01	7.136E-01	7.312E-01	NOT IDENT.
PA-234	1.771E+00	4.589E+00	4.658E+00	NOT IDENT.
PA-234M	1.316E+01	5.690E+01	5.721E+01	NOT IDENT.
TH-234	5.066E-01	1.326E+01	1.326E+01	NOT IDENT.
U-234	3.286E-01	7.698E-01	7.840E-01	NOT IDENT.
U-235	9.705E-01	1.684E+00	1.740E+00	FAIL ABUN
NP-237	-3.538E-01	7.136E-01	7.312E-01	NOT IDENT.
NP-238	1.989E+02	2.065E+03	2.067E+03	SHORT HLIF
U-238	5.066E-01	1.326E+01	1.326E+01	NOT IDENT.
NP-239	8.565E-01	2.298E+00	2.331E+00	NOT IDENT.
PU-239	-4.349E+02	2.939E+03	2.945E+03	NOT IDENT.
AM-243	2.177E-01	4.537E-01	4.642E-01	NOT IDENT.
CM-243	1.903E-01	9.274E-01	9.314E-01	NOT IDENT.
BK-247	1.375E-01	8.405E-01	8.428E-01	NOT IDENT.
CM-247	5.780E-02	4.336E-01	4.343E-01	NOT IDENT.
CF-249	-1.334E-01	4.743E-01	4.781E-01	NOT IDENT.
CF-251	9.496E-01	1.092E+00	1.173E+00	NOT IDENT.
ANH-511	-1.745E-01	3.342E-01	3.433E-01	NOT IDENT.

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

GAMMA SPECTROSCOPY BACKGROUND REPORT

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
43.53	1113.7811	85.43	322.2569	131.20	315.3711
45.60	1044.7634	86.55	312.7075	133.02	292.4763
46.54	1047.4575	86.79	312.8445	133.52	299.8895
49.72	1018.3579	86.94	312.9318	136.00	289.5233
51.35	1082.1332	87.09	307.5866	136.47	291.7764
51.87	1092.4590	87.57	307.8536	140.51	291.2708
52.39	1093.0083	88.03	308.1107	143.76	277.8883
52.97	1198.0049	88.34	308.2822	144.24	291.6524
53.44	1227.9723	88.47	308.3556	145.44	294.1976
54.07	1262.9647	89.96	309.1785	152.43	236.6089
57.36	0.0000	90.64	315.0178	153.25	301.7038
57.53	847.2780	91.11	317.8532	154.21	272.4193
57.98	848.1780	92.59	286.4248	156.02	256.7594
59.27	850.7562	93.35	310.0586	158.56	266.7809
59.32	850.8566	94.56	328.1879	159.00	266.9224
59.54	851.2905	94.65	323.3813	162.33	271.5571
60.96	854.0911	94.67	323.3940	162.66	279.1524
61.17	306.6503	94.87	323.5058	163.33	279.3755
62.93	306.6604	97.43	329.7971	165.86	296.3159
63.29	305.6905	98.43	294.1910	176.31	259.6995
63.58	316.8558	98.44	294.1956	176.60	254.3486
64.28	302.0932	99.53	336.8377	177.52	232.8510
66.73	320.2841	100.11	298.9359	181.07	274.1942
67.24	328.0082	102.03	296.9356	181.52	261.2130
67.68	337.5403	103.18	302.4186	184.41	317.9619
67.75	337.5905	103.37	302.5123	185.72	323.9076
68.89	331.9419	105.21	312.3065	193.51	332.1579
69.67	313.9666	105.31	312.3571	197.03	301.1617
70.82	321.2178	106.12	311.7724	198.01	311.4795
70.83	321.2284	106.47	311.9455	201.83	333.9296
72.81	359.8312	109.28	328.2527	203.43	280.7817
72.87	359.8754	111.00	287.2441	205.31	338.4781
74.66	323.7547	111.76	292.5730	210.85	349.3839
74.82	323.8603	114.06	293.6058	215.65	324.9946
74.97	323.9579	116.30	294.6006	218.12	334.8594
77.11	312.1745	116.74	287.7522	222.11	327.0353
78.74	339.5847	119.76	288.0333	227.09	296.5284
79.69	326.9778	121.12	316.9617	227.38	288.5949
80.03	335.6997	121.22	317.0095	228.16	333.5026
80.12	319.6833	121.78	305.1038	228.18	333.5071
80.19	319.7271	122.06	305.2278	235.69	310.4525
80.57	353.0910	125.81	305.6090	235.96	307.0673
81.00	369.4872	123.07	313.7998	238.63	286.9884
81.07	378.0655	123.68	303.9114	238.98	270.8731
81.75	335.8587	125.81	306.8766	240.99	307.3161
82.47	294.5156	127.23	321.7952	242.00	285.5411
83.79	307.6265	127.91	314.9474	244.70	275.7635
84.00	307.7460	129.30	311.4636	252.40	257.7319

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.80	256.6473	351.06	241.8876	569.33	135.4651
254.15	0.0000	351.93	228.5405	569.50	135.4766
256.23	246.8372	355.39	0.0000	569.70	121.1761
260.90	259.6320	356.01	256.2357	583.19	131.0735
264.66	255.7222	364.49	237.2964	584.27	109.5237
1093.63	249.8349	366.42	260.5906	595.83	103.3471
265.00	255.7947	372.51	221.4557	600.60	119.0612
269.46	260.3232	375.05	251.8039	602.52	0.0000
270.03	248.5511	377.52	228.1879	604.72	113.4675
271.23	245.2285	383.85	250.6583	607.14	99.0283
273.65	260.0359	388.16	272.0810	609.32	108.8464
276.40	257.0381	388.63	280.8044	610.33	107.9242
277.37	254.8486	391.69	255.3762	614.28	110.0619
277.60	236.9438	400.66	256.8226	618.01	101.4652
278.00	246.5990	401.81	243.0635	620.36	108.4120
279.20	248.0361	402.40	245.7689	621.93	94.8016
279.54	252.8999	404.85	239.1591	630.19	0.0000
279.70	252.9321	410.95	272.4730	631.29	96.1777
280.46	247.0956	413.71	253.6276	633.25	114.9243
283.69	259.7629	414.70	262.5557	634.78	108.1201
284.31	250.2690	423.72	238.3813	635.95	116.0410
285.41	269.7598	427.09	267.1685	636.99	97.4008
285.90	267.4528	427.87	263.7572	657.50	105.7113
287.50	261.7602	433.94	275.3558	657.76	110.1915
290.67	247.9106	439.40	262.8724	657.90	0.0000
293.27	0.0000	440.45	291.5604	661.66	102.4216
295.22	241.5110	453.88	299.2068	664.57	0.0000
295.96	282.9377	463.37	329.2603	666.33	59.7803
298.58	251.8770	468.07	304.3086	666.50	59.7852
299.98	276.5177	473.00	281.9844	667.71	0.0000
300.09	276.5385	475.06	260.0254	677.62	77.0815
300.13	276.5454	476.78	283.9307	685.70	71.3120
301.36	228.0318	477.60	264.9384	692.65	81.5900
302.85	272.2440	482.18	234.5690	695.00	65.5369
304.50	228.5797	487.02	193.0861	696.49	87.7717
304.85	222.5290	492.35	195.4710	696.51	87.7717
306.78	227.7546	497.08	207.0053	697.00	89.8076
308.46	252.5650	505.52	184.8185	697.30	84.7725
311.90	248.3019	507.63	0.0000	697.49	84.7793
316.51	225.3119	511.00	189.0544	702.65	77.8773
319.41	225.7914	514.00	168.9291	706.68	75.9766
320.08	227.5518	514.00	168.9291	711.68	86.2797
321.04	171.6110	520.40	134.0977	720.70	98.8156
323.87	243.0680	520.69	135.0466	721.93	0.0000
325.23	211.0318	522.65	0.0000	722.78	105.0159
328.76	228.9949	527.90	168.2593	722.91	105.0201
333.37	213.5204	528.26	150.5248	723.31	88.7205
333.97	223.6080	529.59	144.0805	724.19	89.7725
334.37	244.9103	529.87	0.0000	727.33	93.9691
323.87	243.0861	531.02	152.6069	733.00	81.8945
338.32	243.0920	537.26	135.2402	735.93	85.0635
340.48	249.3216	546.56	0.0000	737.46	69.7321
340.55	249.3337	552.55	114.5010	739.50	73.8926
344.28	240.7549	563.25	117.9504	744.23	68.8866
345.93	223.3984	564.24	137.0391	747.24	81.3177

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
748.06	83.4027	954.55	0.0000	1434.09	1.5095
752.31	80.4470	962.31	122.0223	1435.80	6.0402
753.82	91.8428	964.08	116.5399	1457.56	0.0000
756.73	83.6829	879.38	99.9573	1460.82	5.6946
756.80	83.6829	968.97	103.3800	1489.16	1.9103
763.94	81.8384	983.53	112.7866	1505.03	8.6259
765.81	100.5562	984.45	0.0000	1584.12	5.8488
766.42	97.4692	996.26	98.6527	1596.21	3.9092
766.84	94.3733	1001.03	101.0449	1620.50	8.8401
772.60	0.0000	1002.74	96.6030	1621.92	9.8248
776.52	87.4316	1004.73	79.8028	1678.03	0.0000
777.92	84.3552	1021.30	0.0000	1690.97	3.9851
778.90	78.1342	1025.87	0.0000	507.63	0.0000
783.70	84.5365	1028.54	0.0000	1764.49	3.0320
788.74	88.8772	1037.84	84.0028	1770.23	1.0118
792.07	74.3281	1038.76	0.0000	1771.35	0.0000
795.86	96.4473	1046.59	66.5837	1260.41	0.0000
801.95	101.9139	1048.07	86.5391	1808.65	5.0958
810.06	79.0344	1049.04	107.6353	1810.72	0.0000
810.29	90.6331	1050.41	88.8735	1836.06	4.0977
810.45	90.6366	1063.66	98.3737		
810.76	81.1608	1077.00	96.4551		
815.77	79.1962	1077.34	96.4619		
818.51	91.9596	1085.87	82.8867		
832.01	103.5541	1093.63	98.0668		
834.85	86.1152	1099.45	94.7658		
835.71	86.1416	344.28	97.4189		
836.80	0.0000	1112.84	92.2195		
846.75	0.0000	1115.54	71.9751		
846.77	101.4246	1120.29	72.0710		
856.80	106.0616	1120.55	72.0760		
860.56	94.3988	1121.30	72.0911		
871.09	115.1983	1129.67	67.5959		
873.19	90.5010	1131.51	0.0000		
875.33	0.0000	1147.95	0.0000		
879.38	98.2501	1173.23	45.9951		
880.51	79.9258	1177.95	41.0956		
881.60	92.0539	1189.05	35.5322		
946.00	90.8086	1204.77	29.4349		
884.68	89.2307	1221.41	19.7092		
889.28	102.3673	1235.36	18.8813		
894.76	117.2065	1238.28	18.8954		
898.04	108.6426	1260.41	0.0000		
900.72	117.4395	1271.87	13.6130		
903.28	109.9222	1274.44	9.0808		
911.20	129.8512	1274.54	8.1727		
912.08	135.3475	1291.59	15.5038		
923.98	0.0000	1298.22	0.0000		
926.50	121.7314	1312.11	20.1658		
929.11	137.1969	1332.49	15.6594		
935.54	120.4384	1362.66	0.0000		
937.49	125.4668	1365.19	12.0693		
944.13	132.3486	1368.63	0.0000		
946.00	119.1841	884.68	11.1914		
949.00	113.7753	1408.01	5.3585		

Continuing Calibration Data

Review of Gamma Spectrometer QA results (Daily calibration & background checks)
08-MAY-2023 09:37:40

Run Date	Detector	Parameter	Flag	Status	Comments
08-MAY-23	GAM01	All Parameters Passed			
08-MAY-23	GAM02	Cal Check PSFWHM-1332	Investigate		
08-MAY-23	GAM03	All Parameters Passed			
08-MAY-23	GAM04	Cal Check PSFWHM-1332	Investigate		
08-MAY-23	GAM05	All Parameters Passed			
08-MAY-23	GAM06	All Parameters Passed			
08-MAY-23	GAM07	All Parameters Passed			
08-MAY-23	GAM08	All Parameters Passed			
08-MAY-23	GAM09	Bkg Check BACKRATE	Investigate		
08-MAY-23	GAM11	Cal Check PSFWHM-59	Investigate		
08-MAY-23	GAM11	Cal Check NLACTVTY-662	Investigate		
08-MAY-23	GAM12	All Parameters Passed			
08-MAY-23	GAM14	All Parameters Passed			
08-MAY-23	GAM16	All Parameters Passed			
08-MAY-23	GAM18	Cal Check PSFWHM-59	Investigate		
08-MAY-23	GAM18	Cal Check PSFWHM-662	Investigate		
08-MAY-23	GAM18	Cal Check PSFWHM-1332	Investigate		
08-MAY-23	GAM19	All Parameters Passed			
08-MAY-23	GAM20	All Parameters Passed			
	GAM21	Cal Check may not have run since 8-MAY-2023			Detector locked out.
	GAM22	Cal Check may not have run since 8-MAY-2023			Detector locked out.
08-MAY-23	GAM23	All Parameters Passed			
08-MAY-23	GAM24	All Parameters Passed			
08-MAY-23	GAM27	All Parameters Passed			
08-MAY-23	GAM28	All Parameters Passed			
08-MAY-23	GAM29	All Parameters Passed			
08-MAY-23	GAM30	All Parameters Passed			
08-MAY-23	GAM31	All Parameters Passed			
08-MAY-23	GAM32	All Parameters Passed			
08-MAY-23	GAM33	All Parameters Passed			
08-MAY-23	GAM34	All Parameters Passed			
11-MAR-23	GAM36	Cal Check may not have run since 8-MAY-2023			Detector locked out.
12-MAR-23	GAM36	Bkg Check may not have run since 8-MAY-2023			Detector locked out.
08-MAY-23	GAM38	All Parameters Passed			
08-MAY-23	GAM40	All Parameters Passed			
08-MAY-23	GAM41	All Parameters Passed			
08-MAY-23	GAM43	All Parameters Passed			
31-DEC-22	GAM44	Cal Check may not have run since 8-MAY-2023			Detector locked out.

15-JAN-23	GAM44	Bkg Check may not have run since 8-MAY-2023			Detector locked out.
08-MAY-23	GAM45	Cal Check NLACTVTY-1332	Investigate		
08-MAY-23	GAM46	Cal Check NLACTVTY-662	Investigate		
08-MAY-23	GAM47	Cal Check NLACTVTY-662	Investigate		
08-MAY-23	GAM53	Cal Check PSFWHM-59	Investigate		
08-MAY-23	GAM56	Cal Check PSFWHM-59	Investigate		
08-MAY-23	XRAY1	All Parameters Passed			
08-MAY-23	XRAY2	Cal Check PSFWHM-29	Investigate		
08-MAY-23	XRAY2	Cal Check PSFWHM-34	Action	Lockout	Detector locked out.
08-MAY-23	XRAY2	Cal Check NLACTVTY-34	Action	Lockout	Detector locked out.
08-MAY-23	XRAY3	Cal Check PSFWHM-29	Investigate		
08-MAY-23	XRAY3	Cal Check PSFWHM-34	Action	Approved	Low FWHM, approved for use.
08-MAY-23	XRAY3	Cal Check PSFWHM-40	Action	Approved	Low FWHM, approved for use.
08-MAY-23	XRAY3	Cal Check NLACTVTY-34	Investigate		
08-MAY-23	XRAY4	All Parameters Passed			
08-MAY-23	XRAY6	All Parameters Passed			
08-MAY-23	XRAY7	Cal Check PSFWHM-40	Investigate		

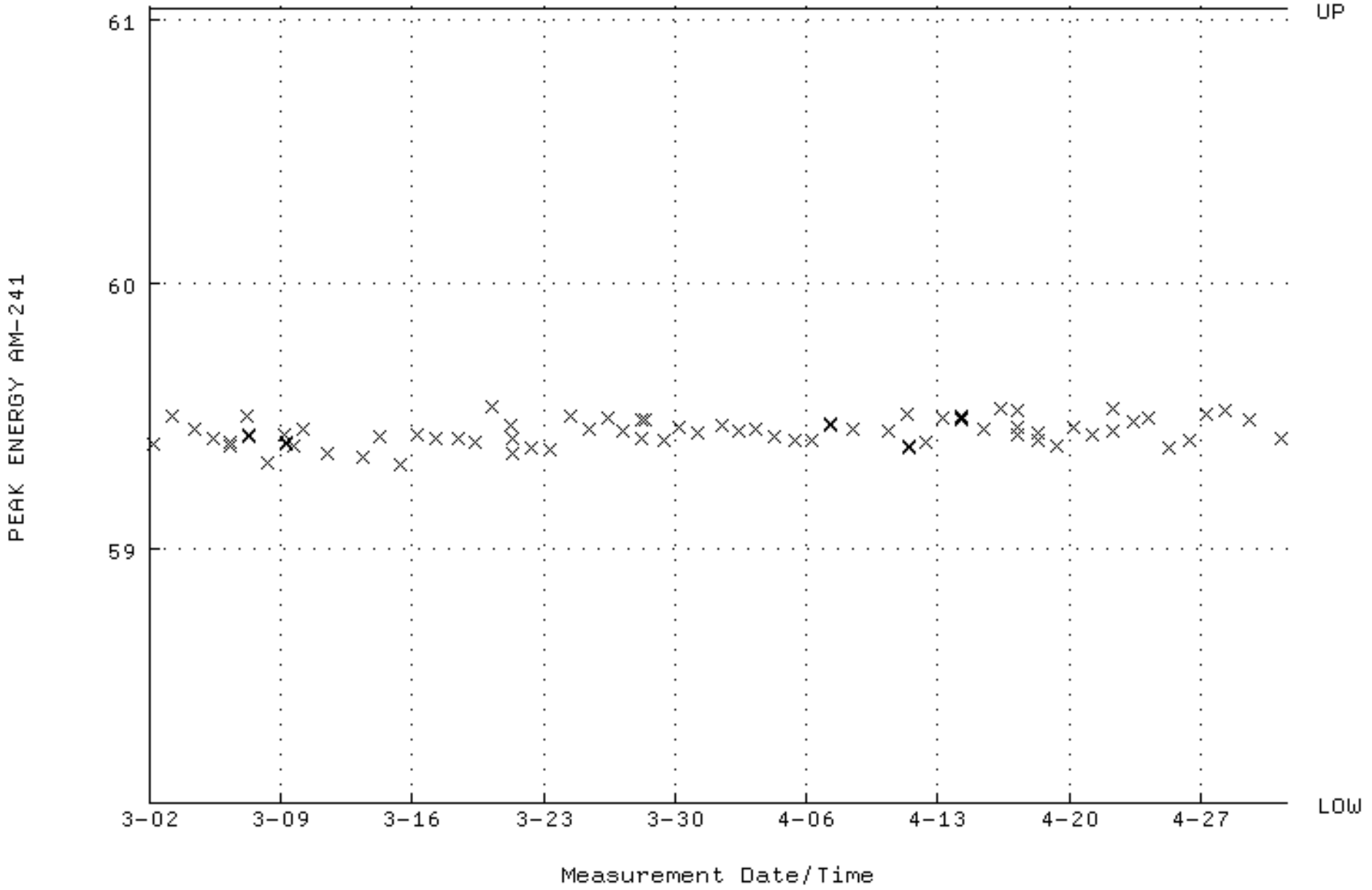
APPROVAL DATE: 08-MAY-2023 APPROVAL TIME: 10:09:31

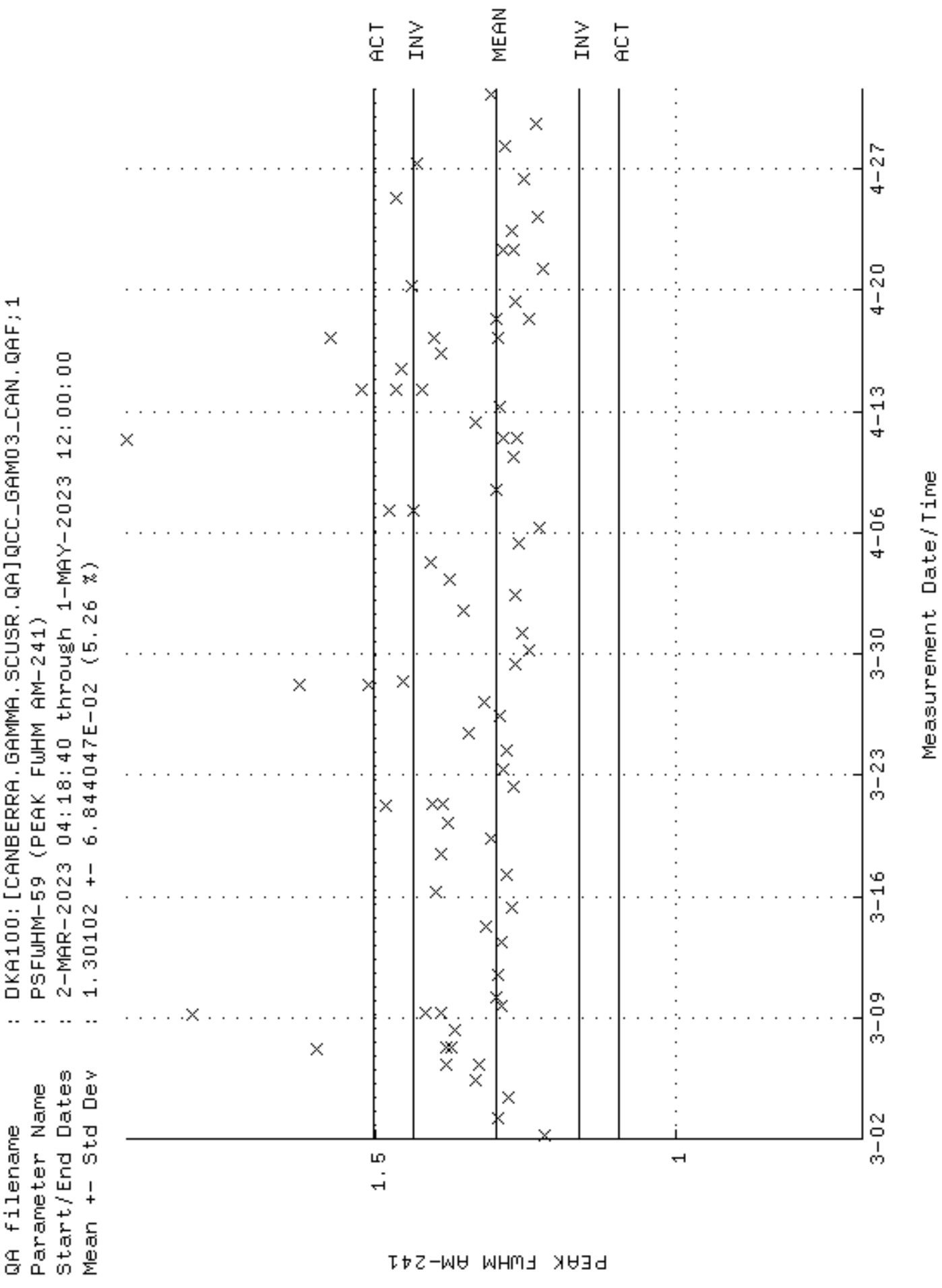
APPROVED BY: Rebekah Futch PROCEDURE # GL-RAD-I-001

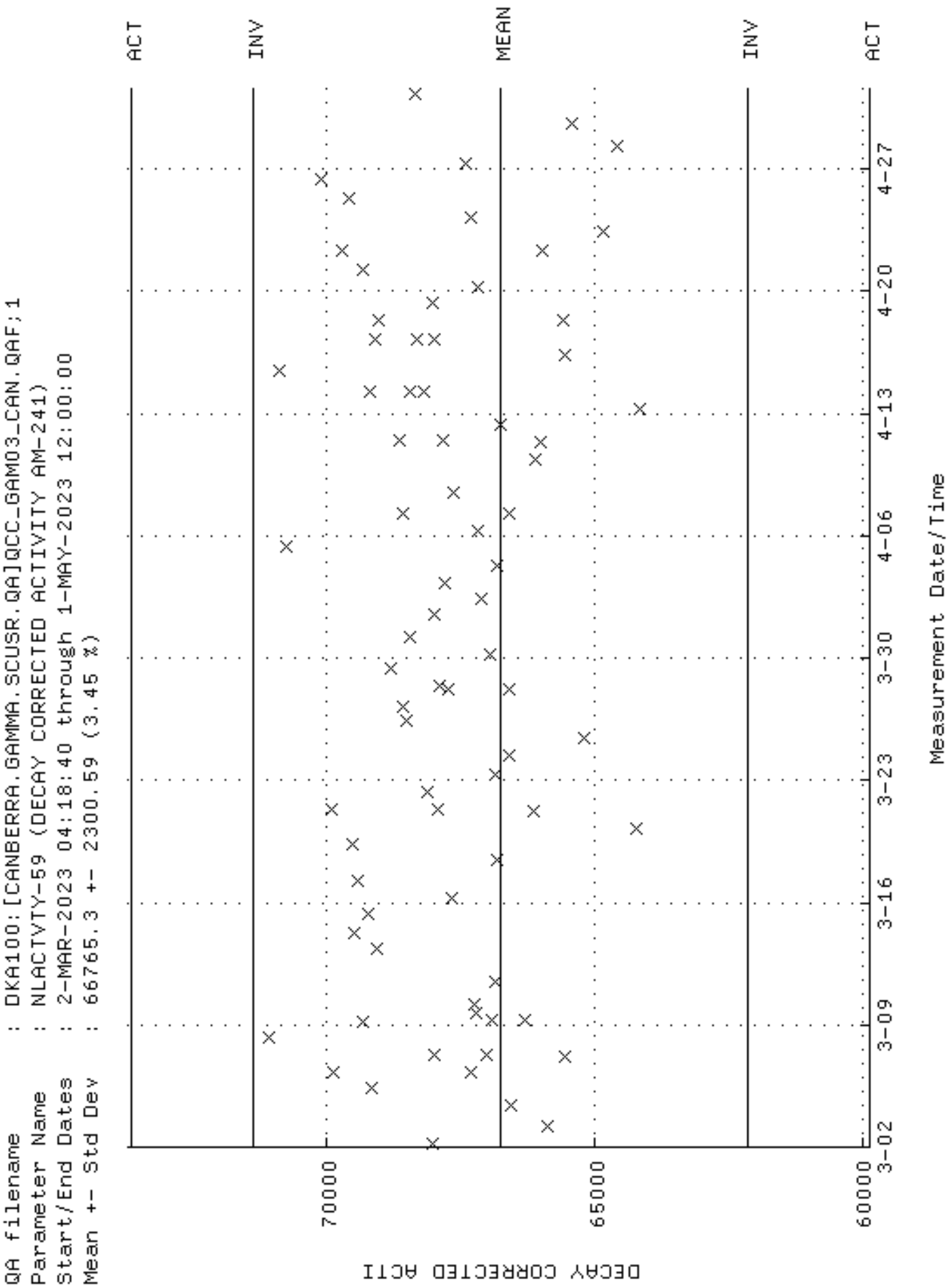
The Investigate flag does not indicate a lockout and is approved for use. Action flags that have not been approved are locked out of service.

Background and Efficiency Data

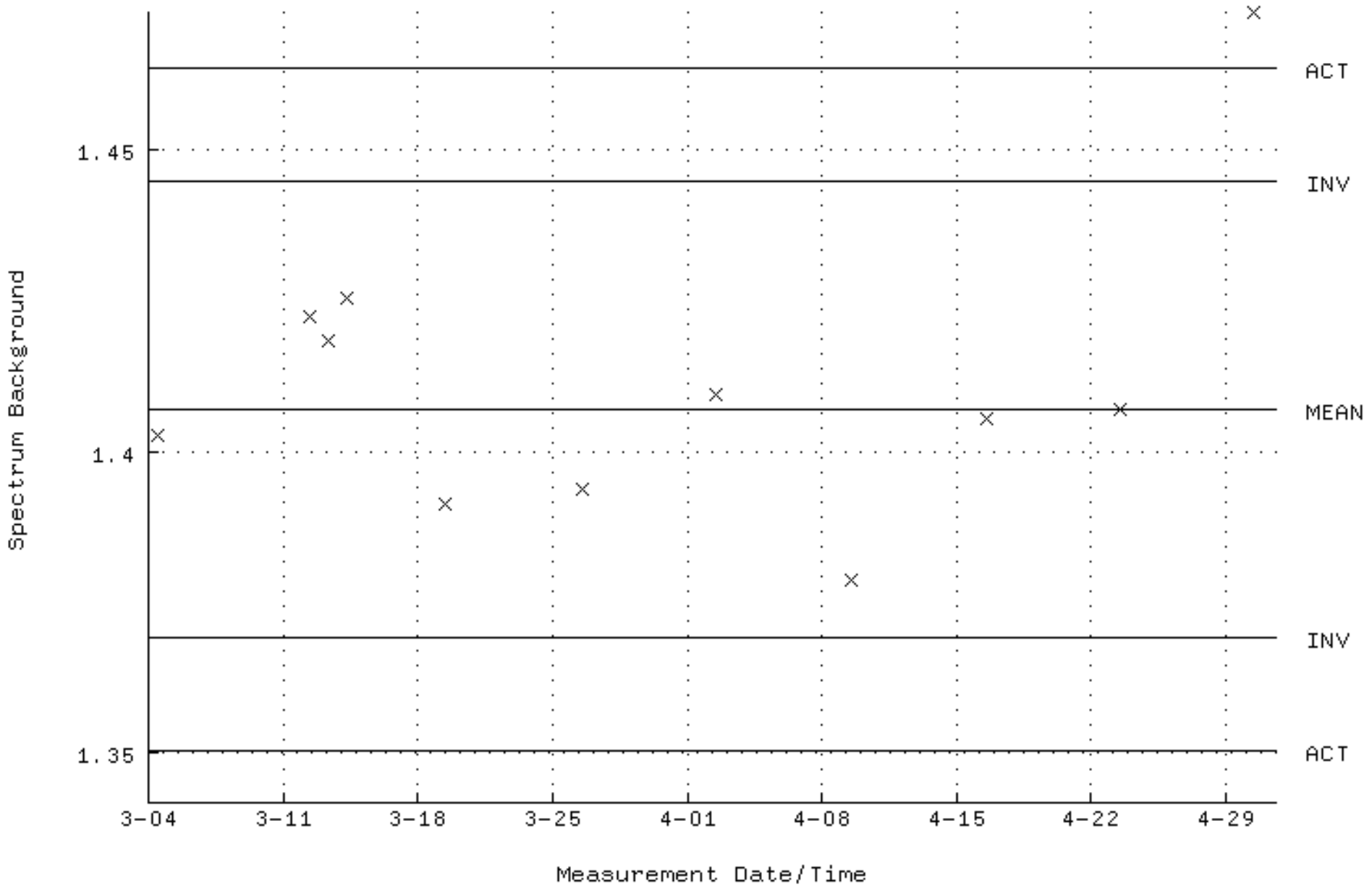
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM03_CAN.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-MAR-2023 04:18:40 through 1-MAY-2023 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400



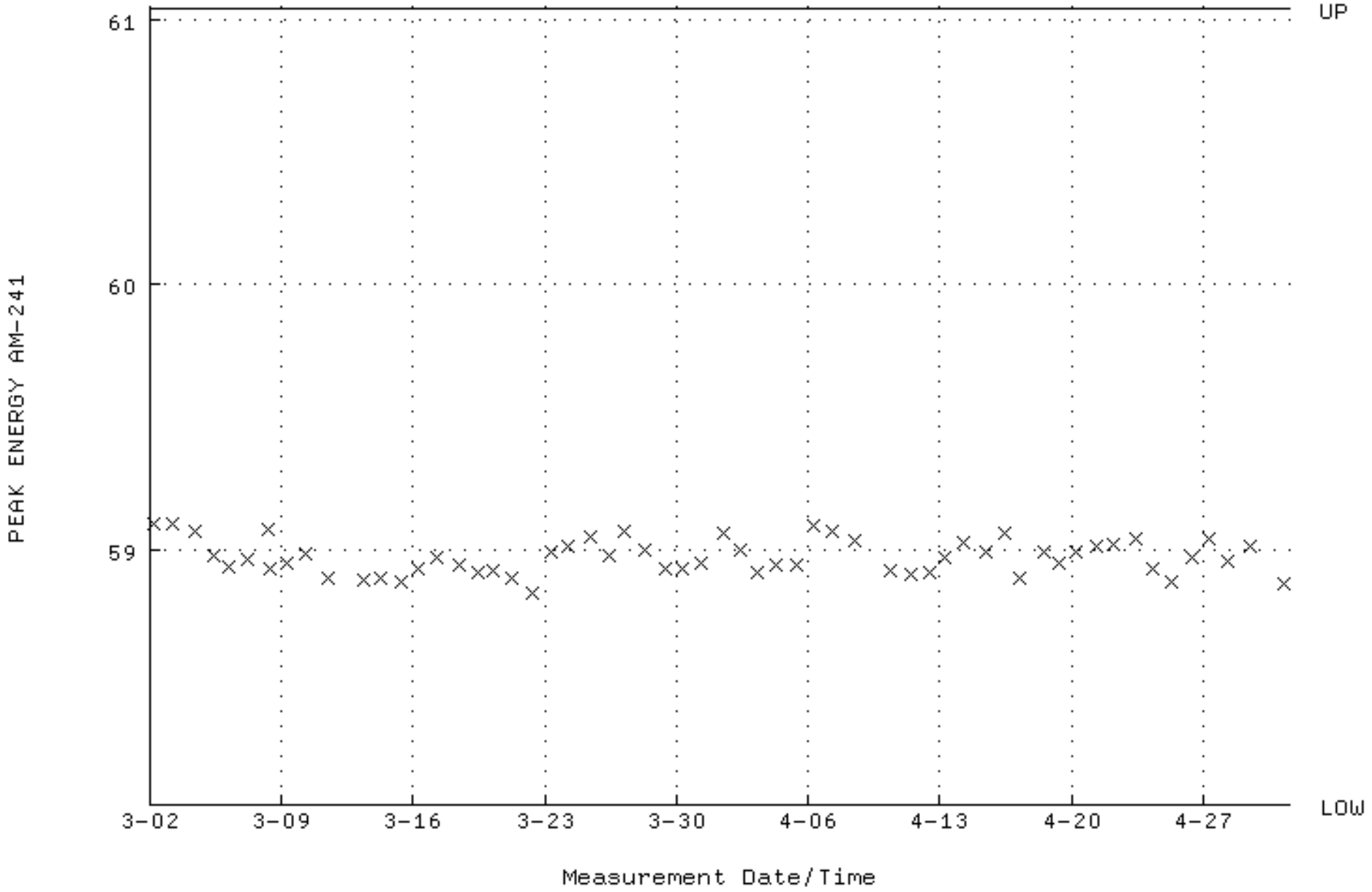

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM03_CAN.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-MAR-2023 04:18:40 through 1-MAY-2023 12:00:00
Mean +- Std Dev : 1.30102 +- 6.8440047E-02 (5.26 %)
ACT
INV
MEAN
INV
ACT
1.5
1
PEAK FWHM AM-241
3-02
3-09
3-16
3-23
3-30
4-06
4-13
4-20
4-27
Measurement Date/Time

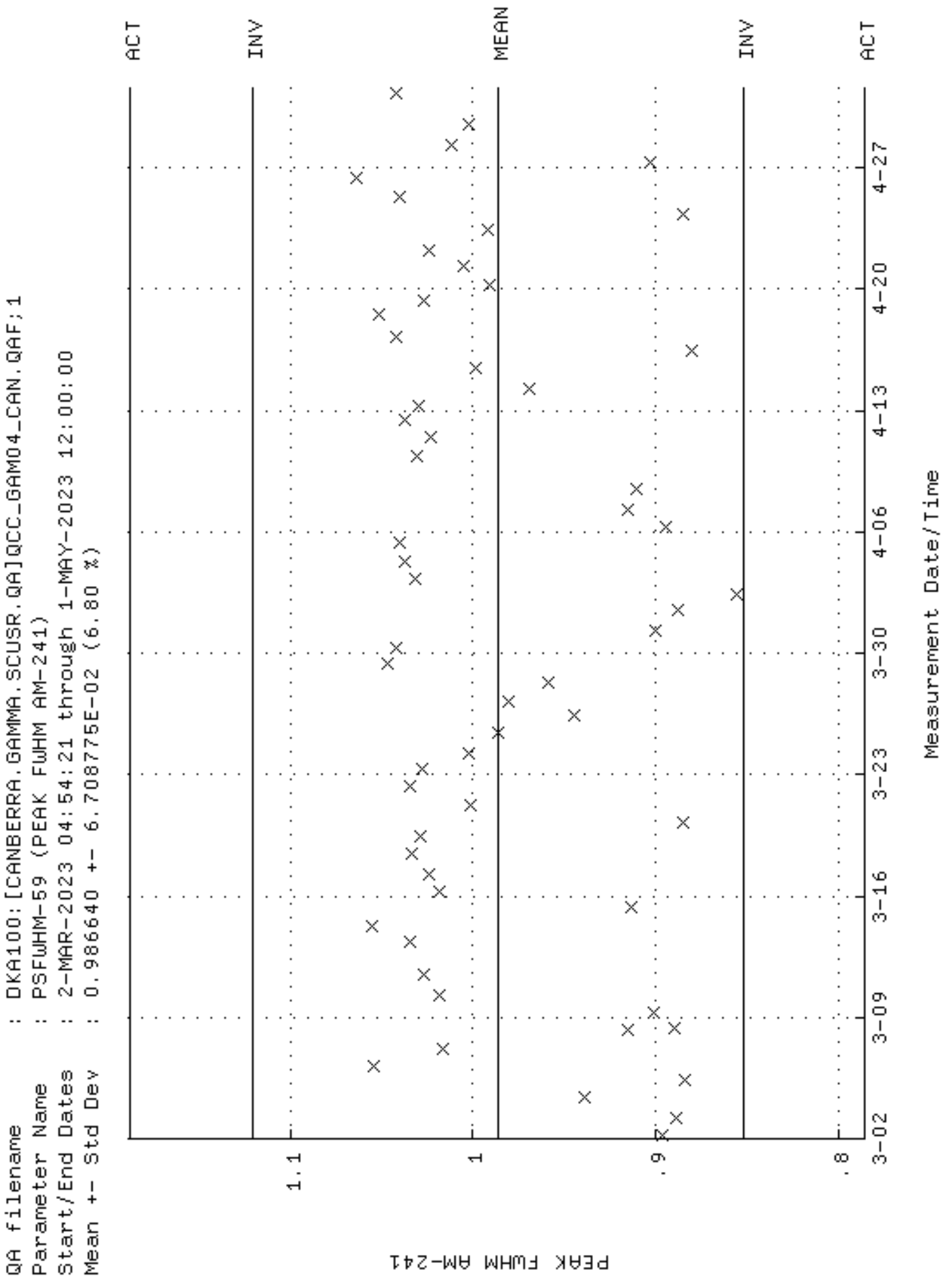

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM03_CAN.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-MAR-2023 04:18:40 through 1-MAY-2023 12:00:00
Mean +- Std Dev : 66765.3 +- 2300.59 (3.45 %)
ACT
INV
MEAN
INV
ACT
70000
65000
60000
DECAY CORRECTED ACTI
3-02
3-09
3-16
3-23
3-30
4-06
4-13
4-20
4-27
Measurement Date/Time

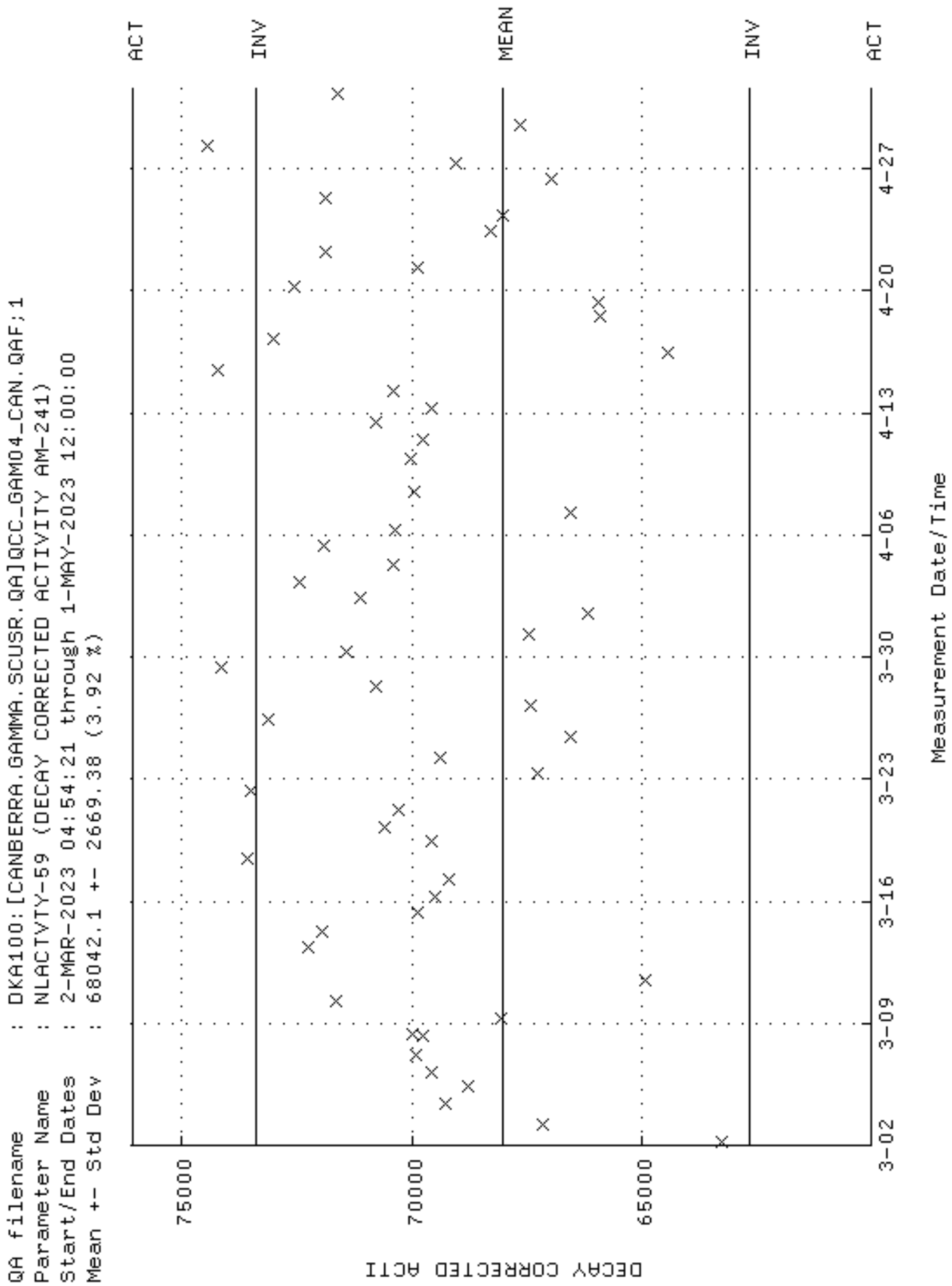
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM03.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 4-MAR-2023 11:45:24 through 1-MAY-2023 12:00:00
Mean +- Std Dev : 1.40722 +- 1.889385E-02 (1.34 %)



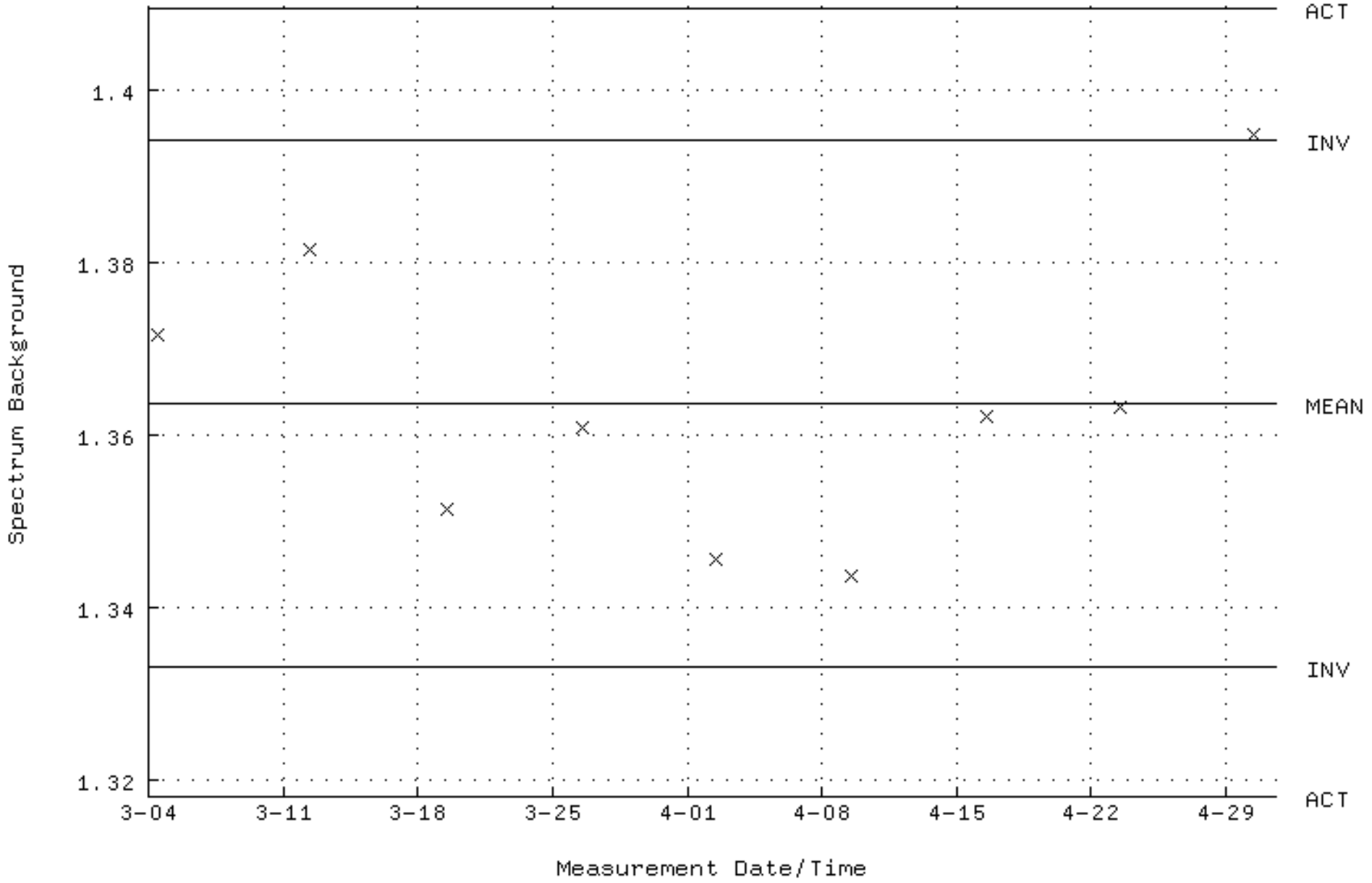
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM04_CAN.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-MAR-2023 04:54:21 through 1-MAY-2023 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400



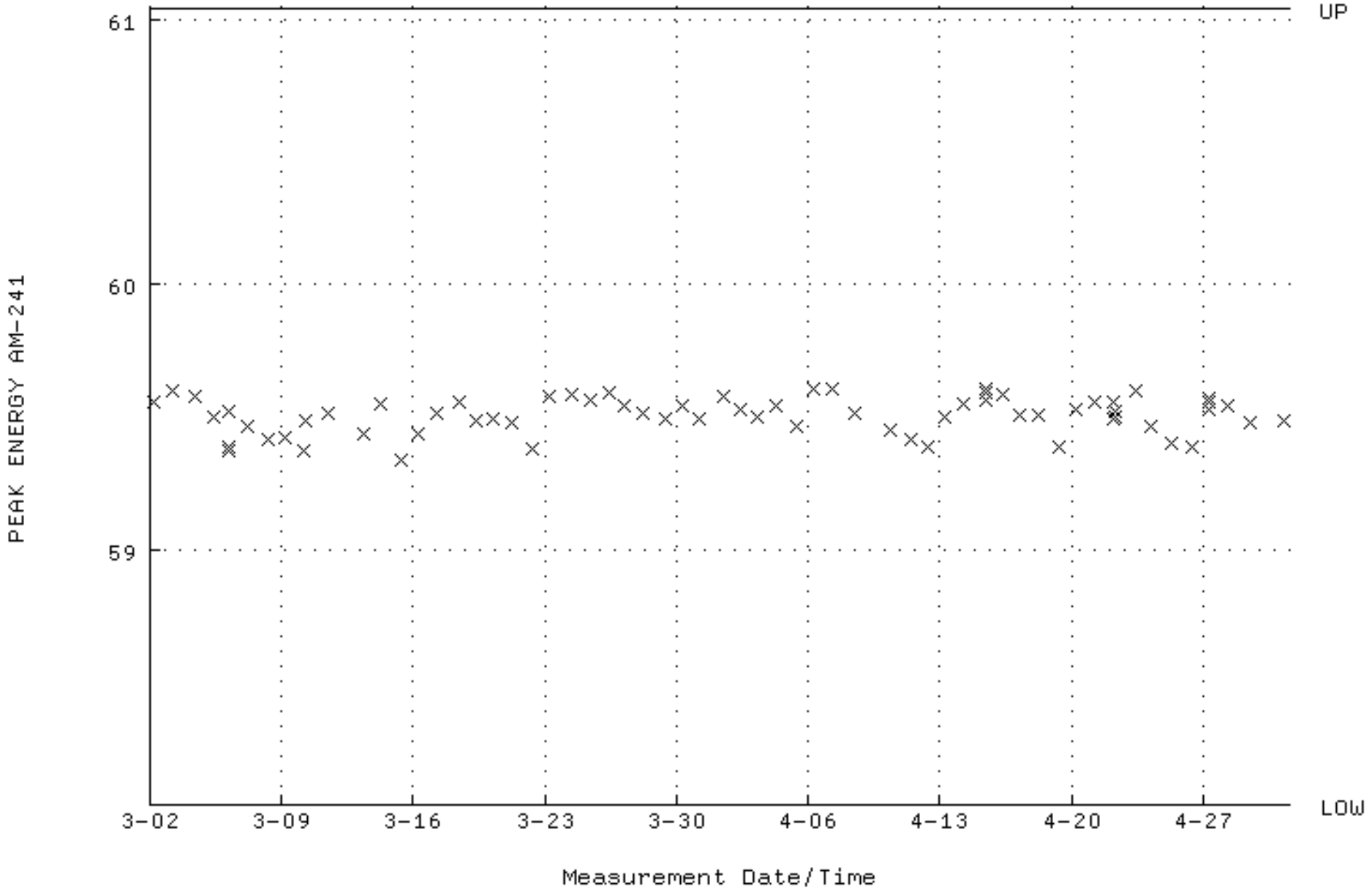

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM04_CAN.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-MAR-2023 04:54:21 through 1-MAY-2023 12:00:00
Mean +- Std Dev : 0.986640 +- 6.708775E-02 (6.80 %)
ACT
INV
MEAN
INV
ACT
1.1
1
.9
.8
PEAK FWHM AM-241
3-02
3-09
3-16
3-23
3-30
4-06
4-13
4-20
4-27
Measurement Date/Time

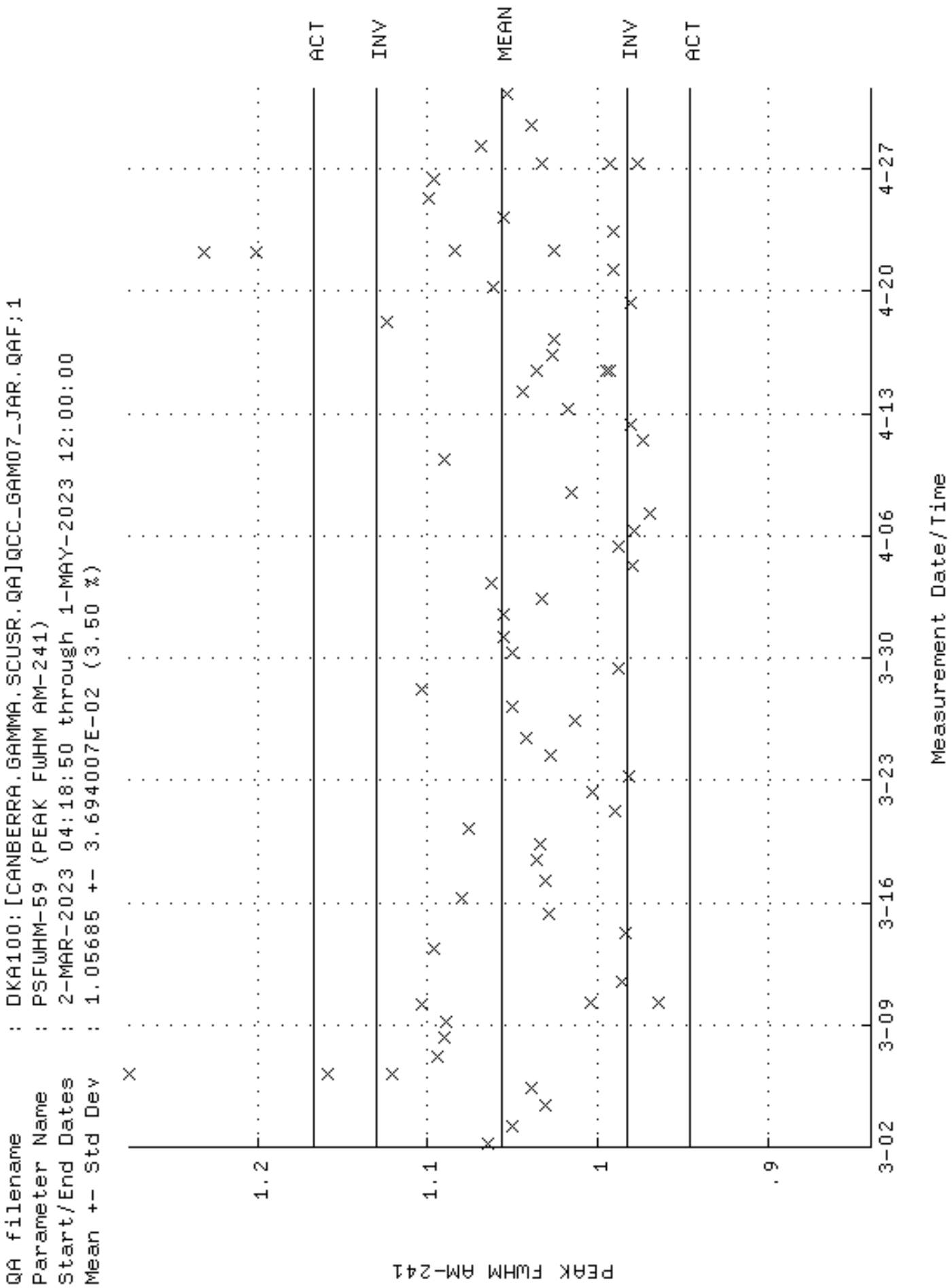

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM04_CAN.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-MAR-2023 04:54:21 through 1-MAY-2023 12:00:00
Mean +- Std Dev : 68042.1 +- 2669.38 (3.92 %)
ACT
INV
MEAN
INV
ACT
75000
70000
65000
DECAY CORRECTED ACTI
3-02
3-09
3-16
3-23
3-30
4-06
4-13
4-20
4-27
Measurement Date/Time

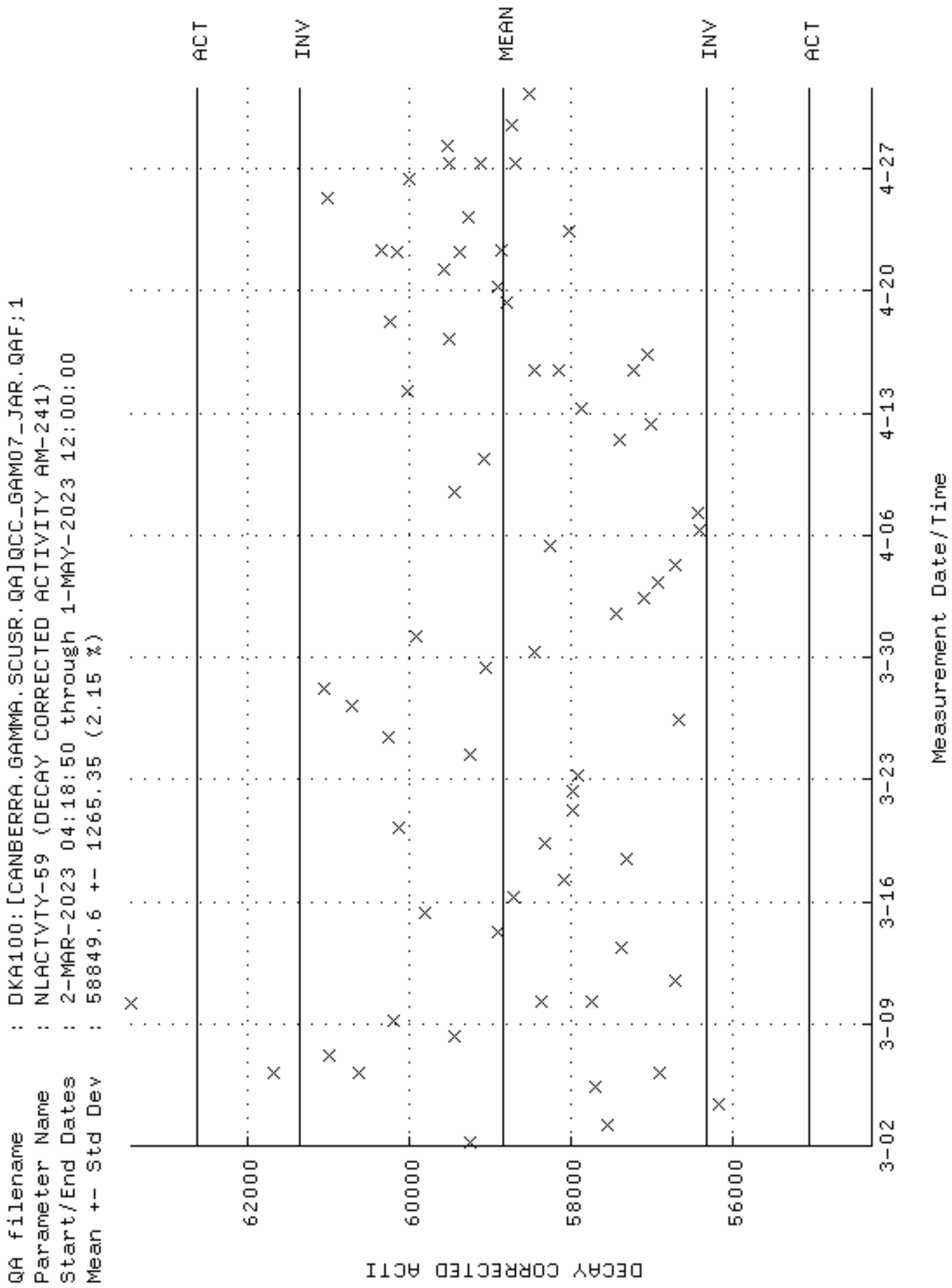
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM04.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 4-MAR-2023 11:45:30 through 1-MAY-2023 12:00:00
Mean +- Std Dev : 1.36378 +- 1.524769E-02 (1.12 %)



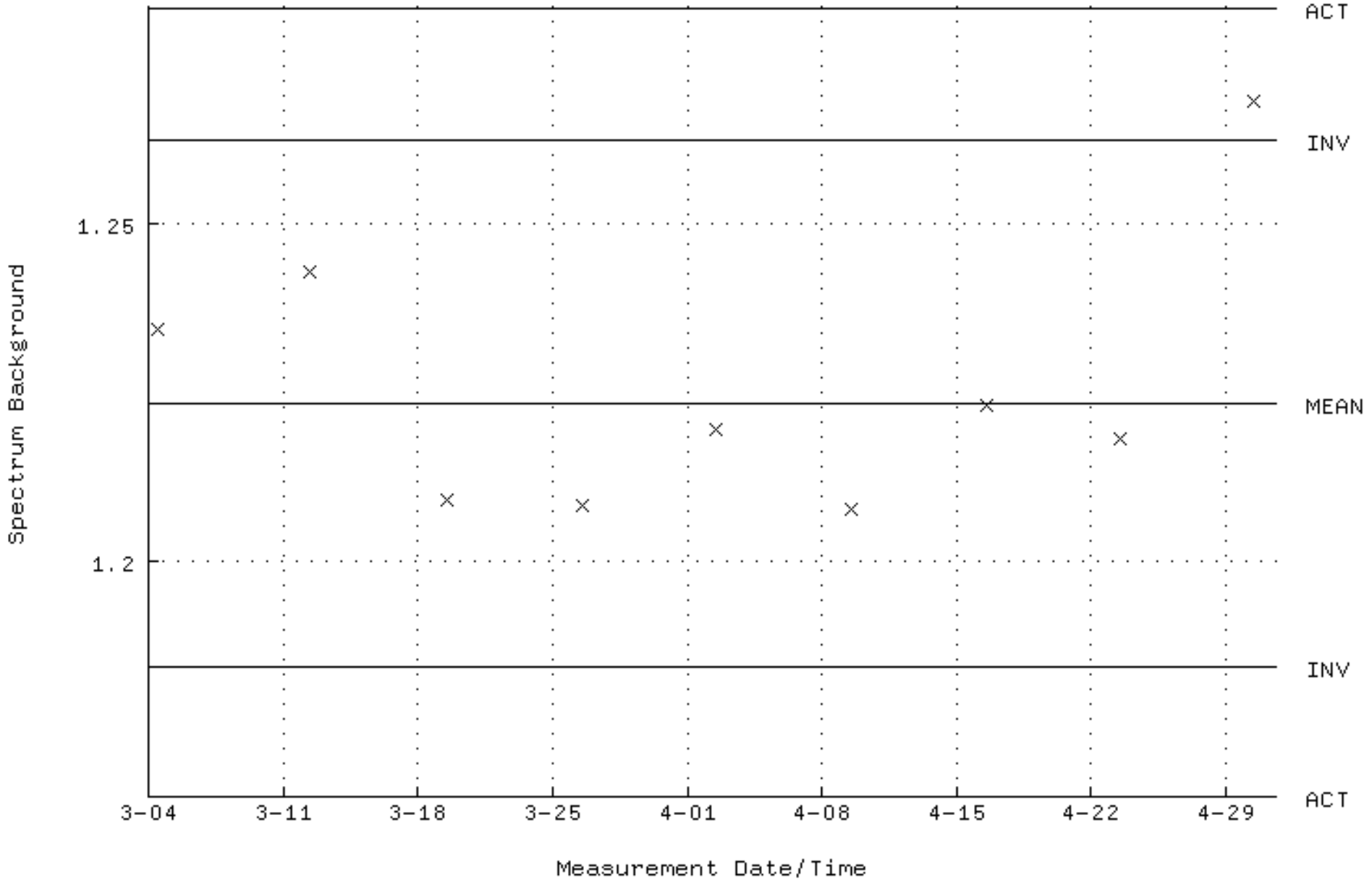
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM07_JAR.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-MAR-2023 04:18:50 through 1-MAY-2023 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400



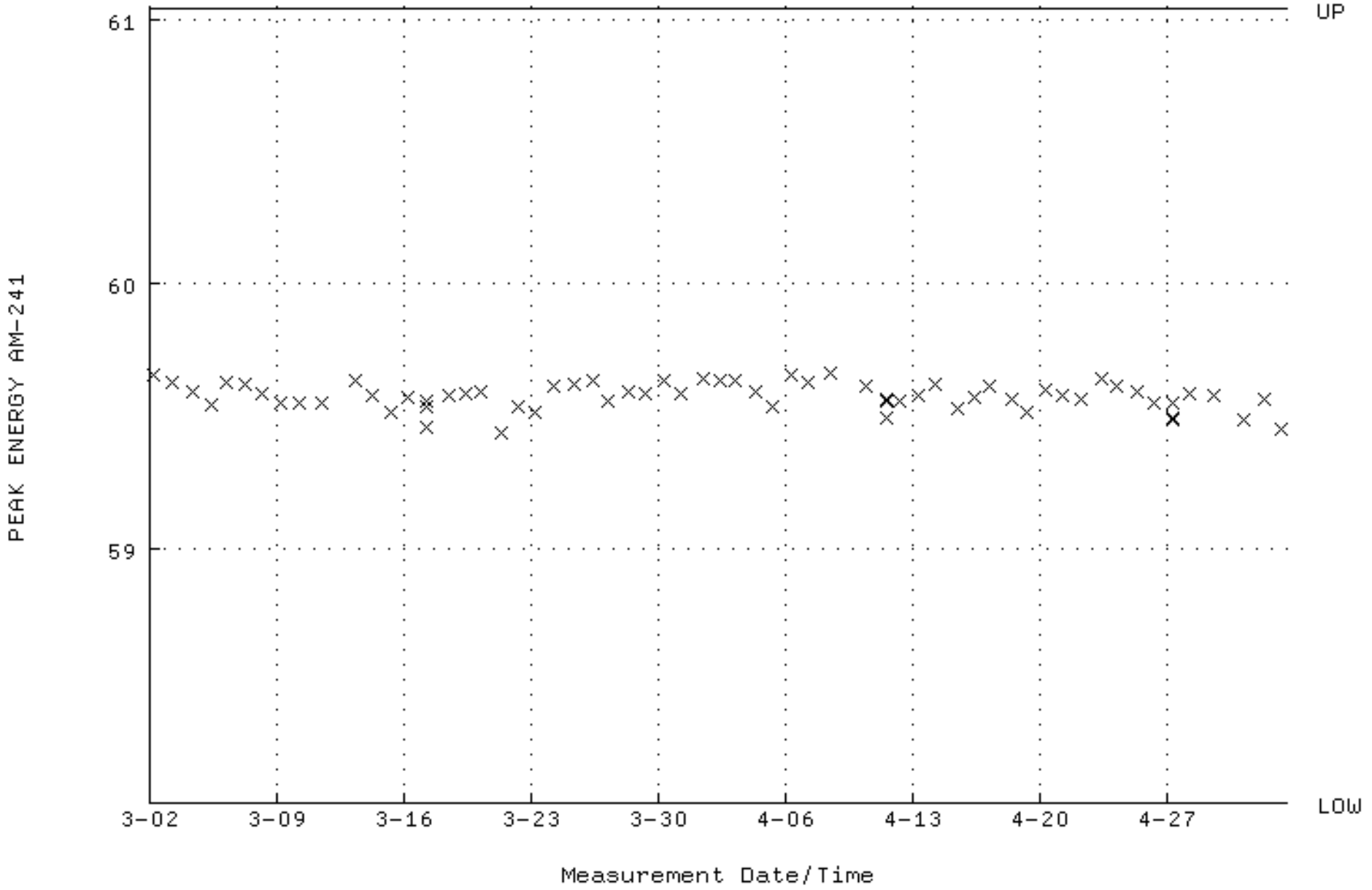

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM07_JAR.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-MAR-2023 04:18:50 through 1-MAY-2023 12:00:00
Mean +- Std Dev : 1.05685 +- 3.6940007E-02 (3.50 %)
ACT
INV
MEAN
INV
ACT
1.2
1.1
1
.9
PEAK FWHM AM-241
3-02
3-09
3-16
3-23
3-30
4-06
4-13
4-20
4-27
Measurement Date/Time

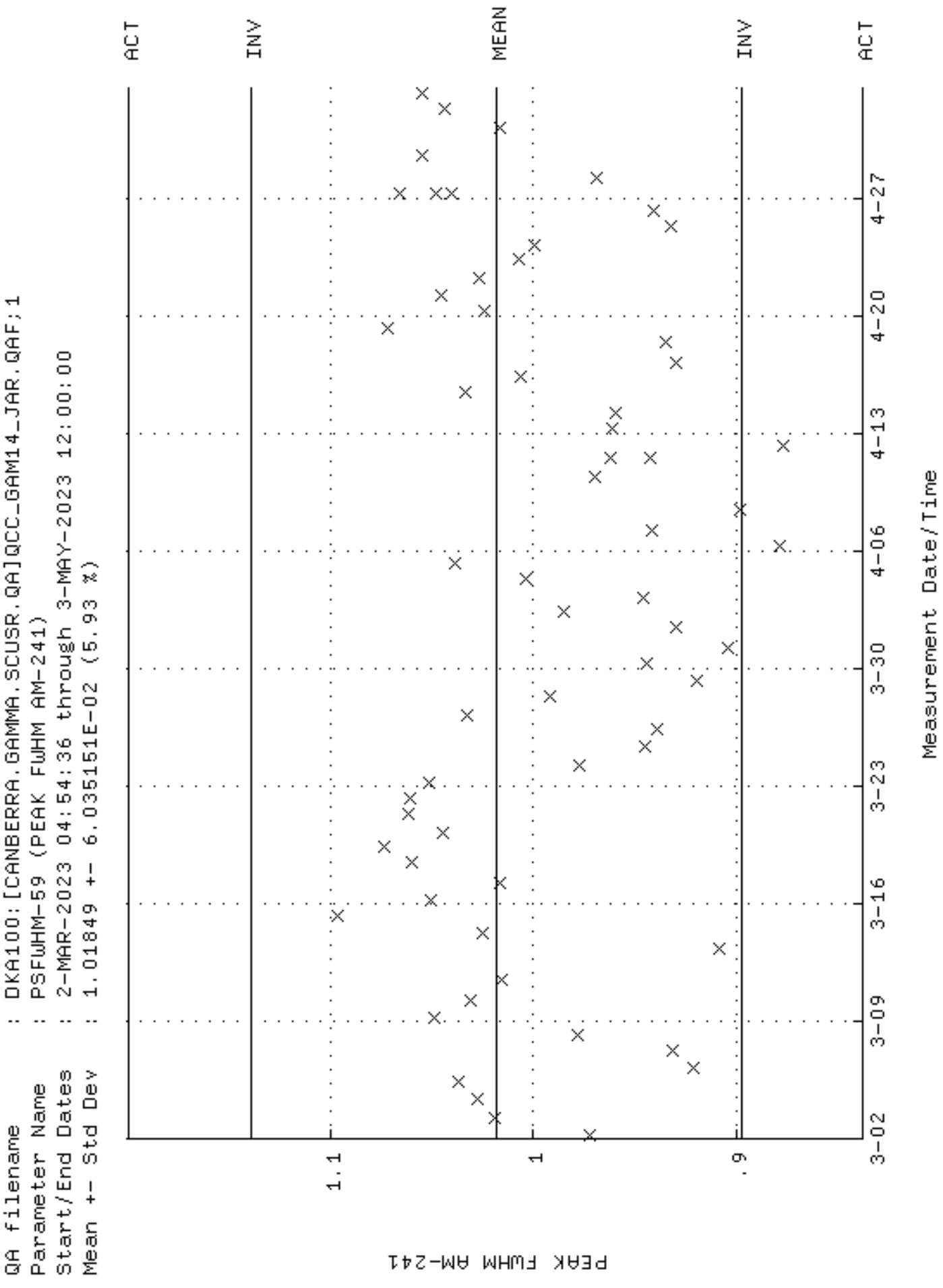

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM07_JAR.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-MAR-2023 04:18:50 through 1-MAY-2023 12:00:00
Mean +- Std Dev : 58849.6 +- 1265.35 (2.15 %)
ACT
INV
MEAN
INV
ACT
62000
60000
58000
56000
DECAY CORRECTED ACTI
3-02
3-09
3-16
3-23
3-30
4-06
4-13
4-20
4-27
Measurement Date/Time

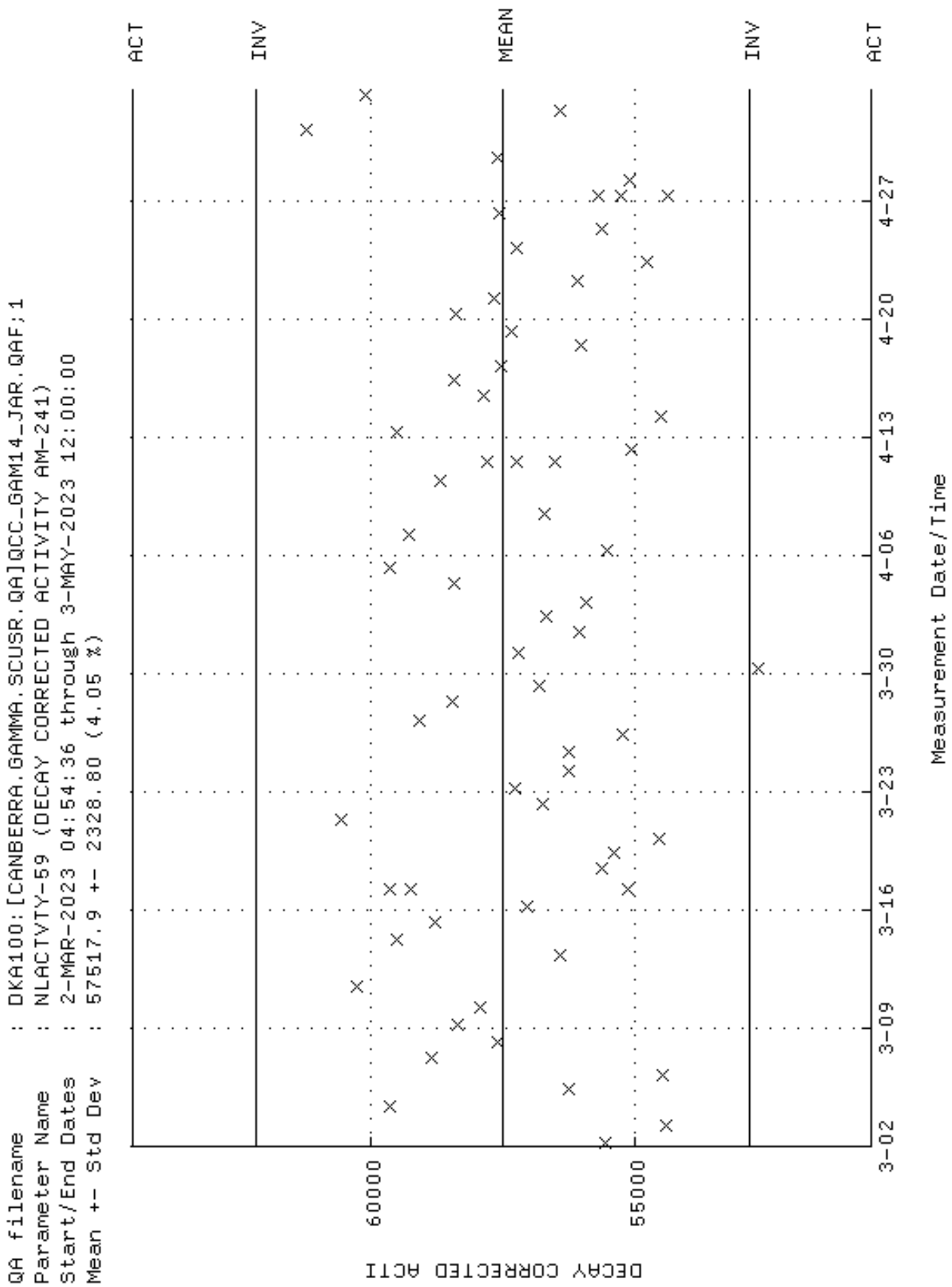
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM07.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 4-MAR-2023 11:45:45 through 1-MAY-2023 12:00:00
Mean +- Std Dev : 1.22348 +- 1.945427E-02 (1.59 %)



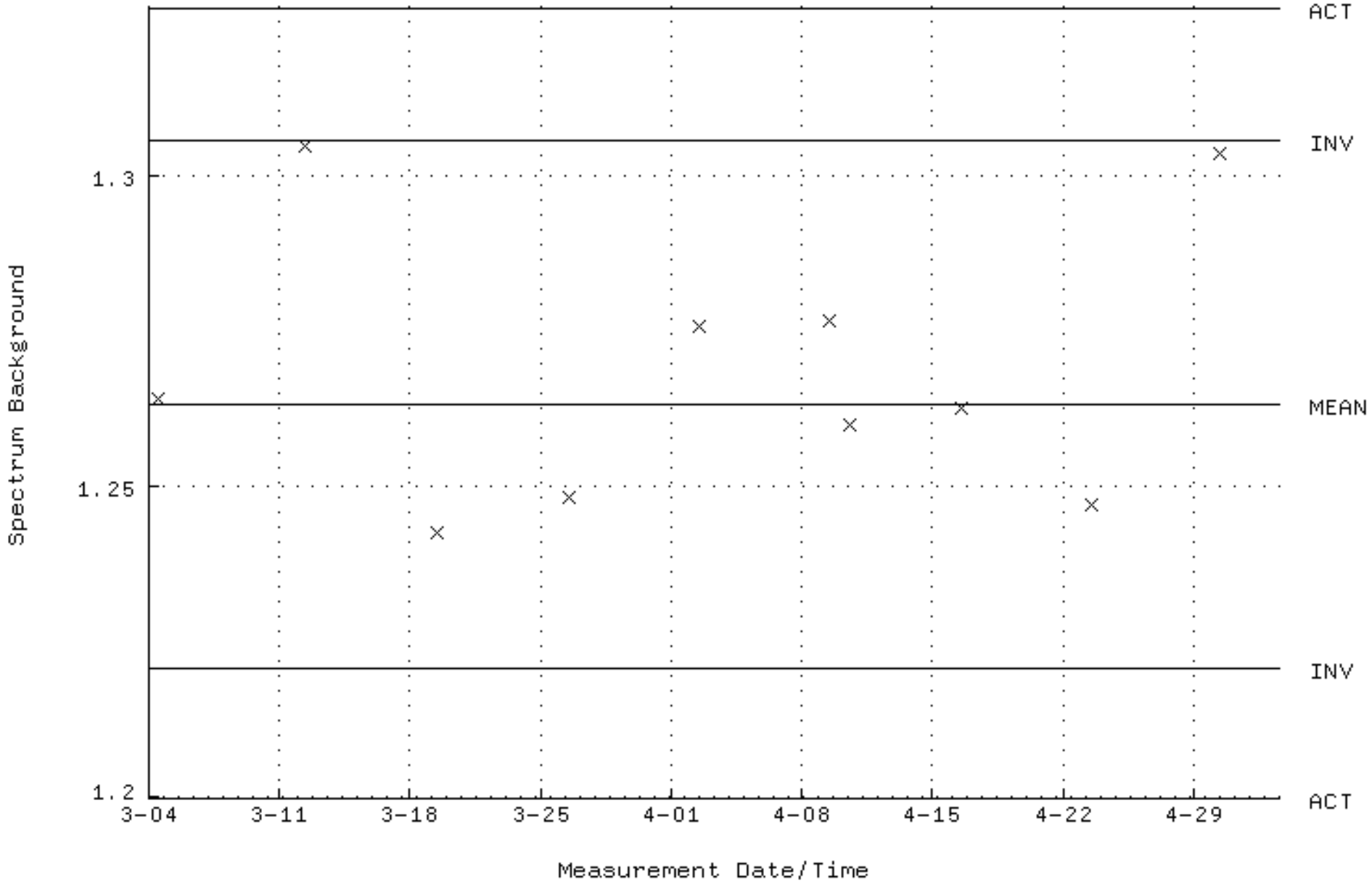
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM14_JAR.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-MAR-2023 04:54:36 through 3-MAY-2023 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400



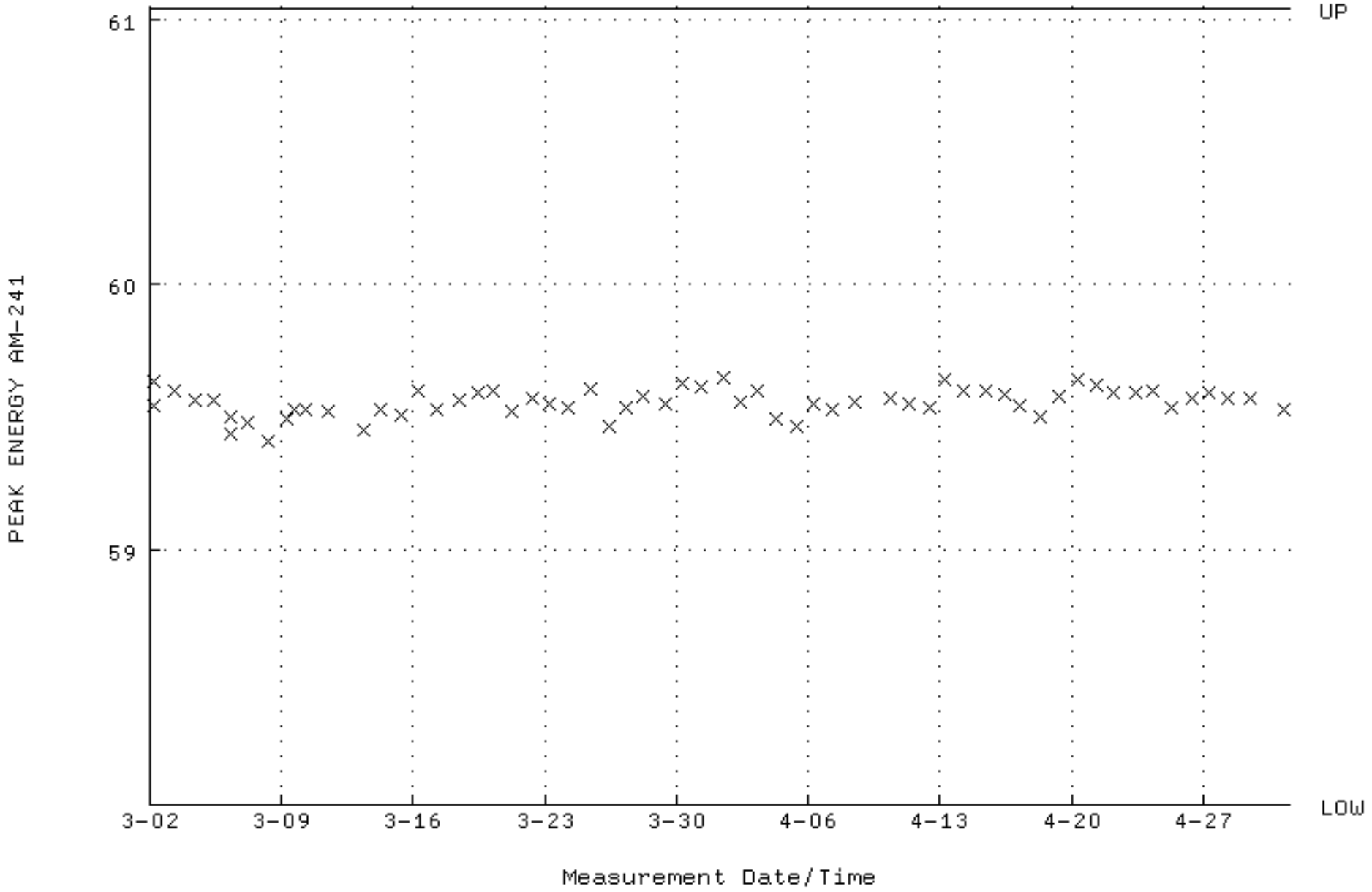

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM14_JAR.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-MAR-2023 04:54:36 through 3-MAY-2023 12:00:00
Mean +- Std Dev : 1.01849 +- 6.035151E-02 (5.93 %)
ACT
INV
MEAN
INV
ACT
1.1
1
.9
PEAK FWHM AM-241
3-02
3-09
3-16
3-23
3-30
4-06
4-13
4-20
4-27
Measurement Date/Time

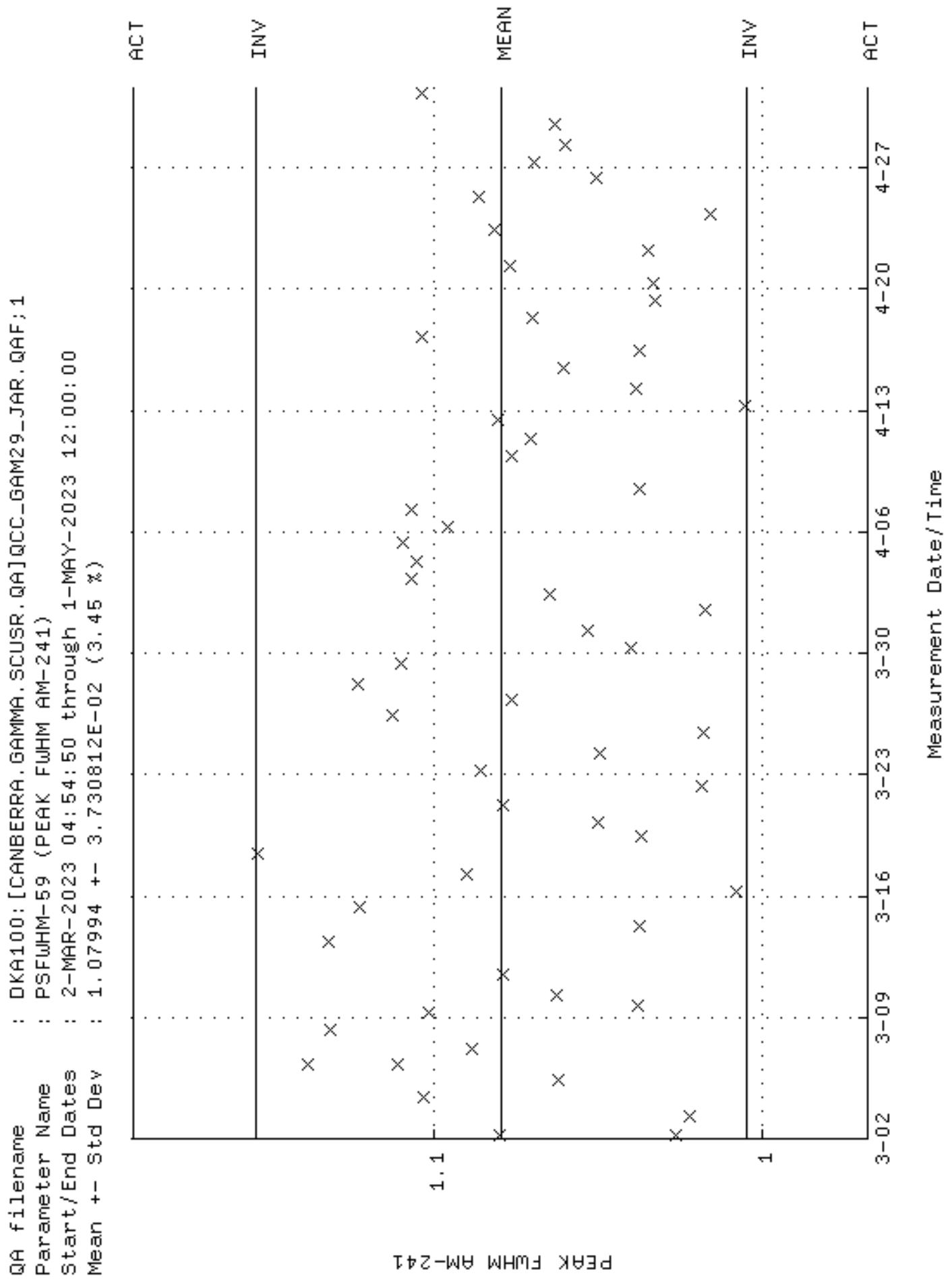

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM14_JAR.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-MAR-2023 04:54:36 through 3-MAY-2023 12:00:00
Mean +- Std Dev : 57517.9 +- 2328.80 (4.05 %)
ACT
INV
MEAN
INV
ACT
60000
55000
DECAY CORRECTED ACTI
3-02
3-09
3-16
3-23
3-30
4-06
4-13
4-20
4-27
Measurement Date/Time

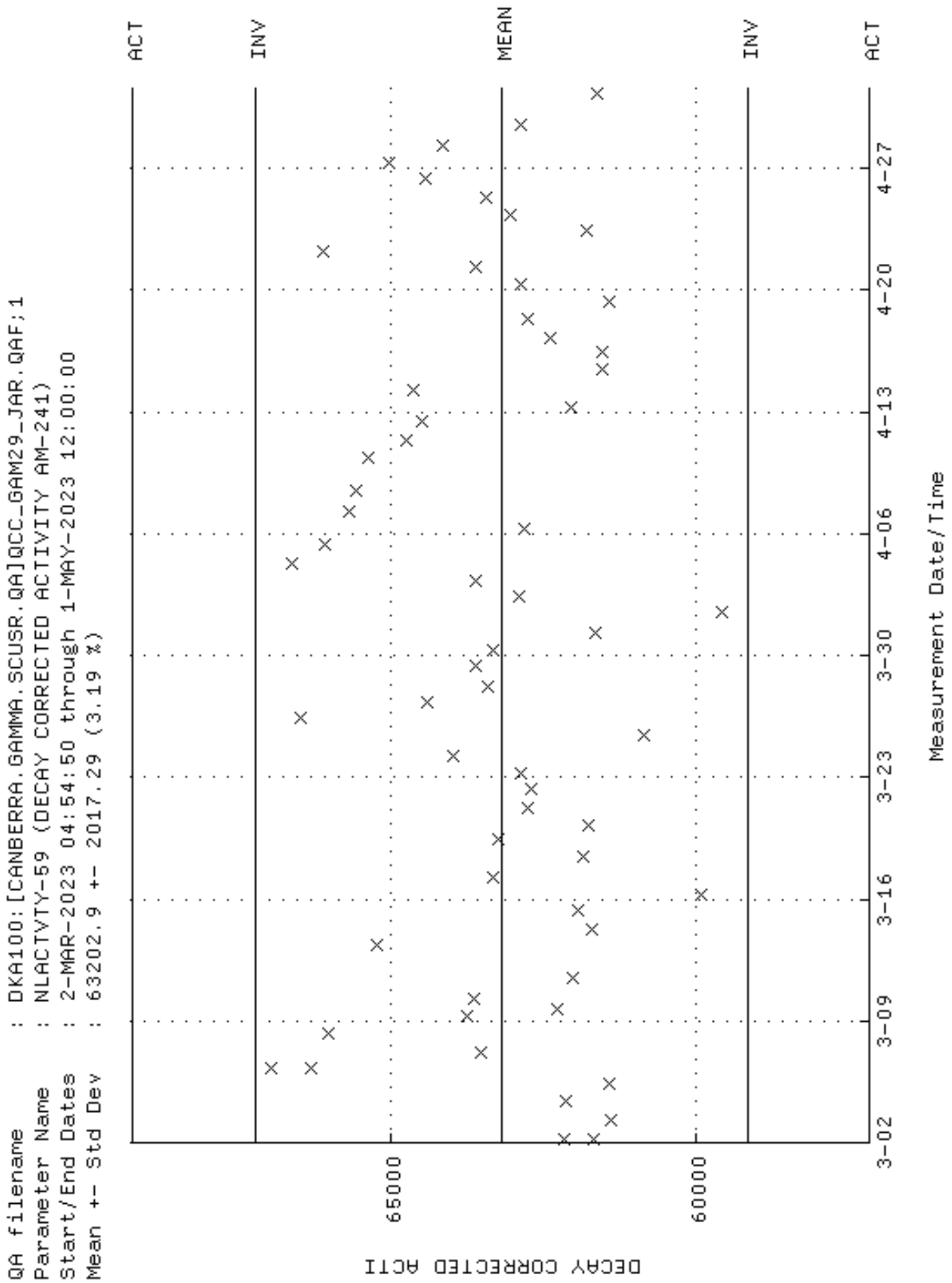
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM14.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 4-MAR-2023 11:47:48 through 3-MAY-2023 12:00:00
Mean +- Std Dev : 1.26328 +- 2.121150E-02 (1.68 %)

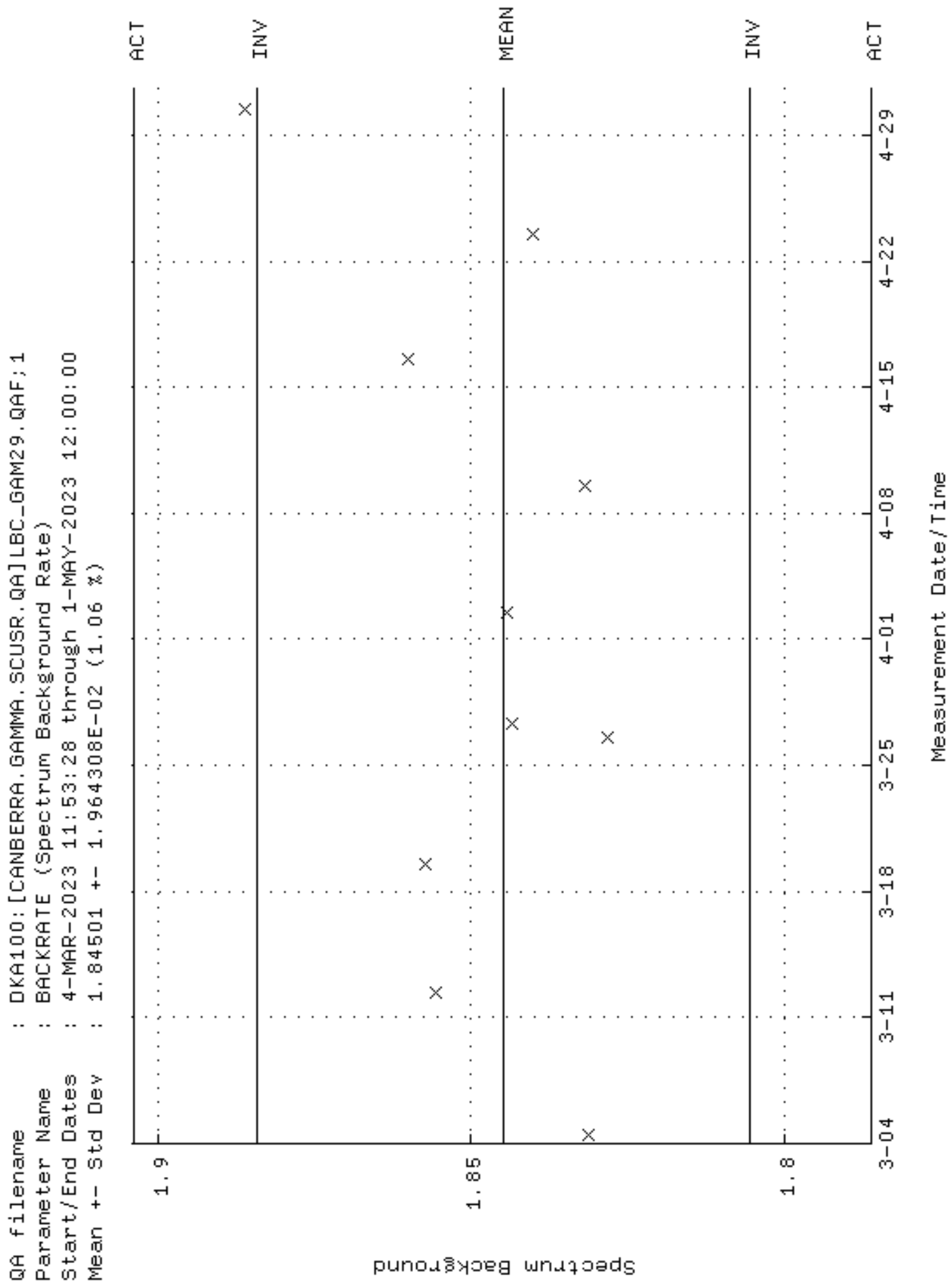


QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM29_JAR.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-MAR-2023 04:54:50 through 1-MAY-2023 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400

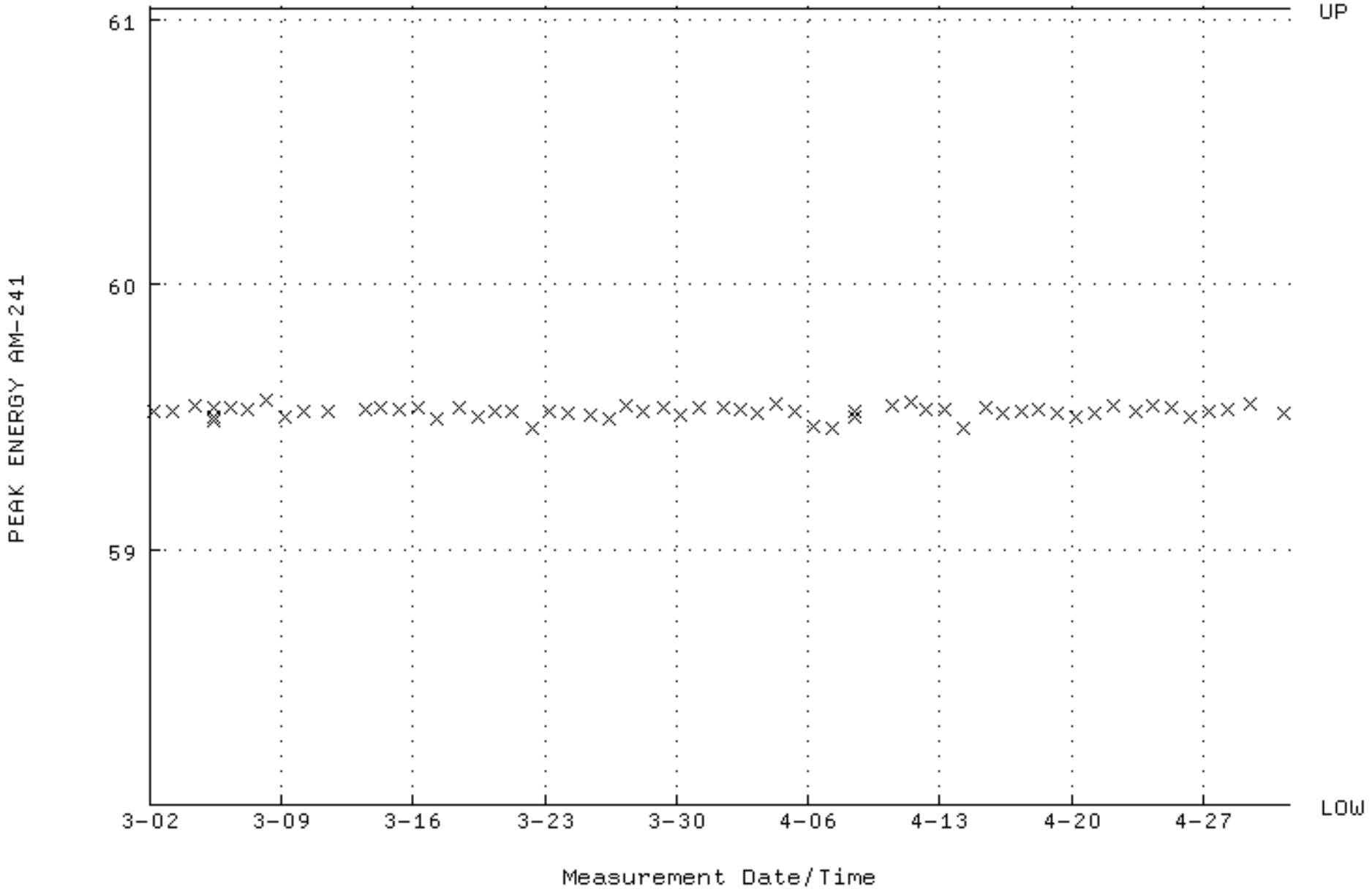


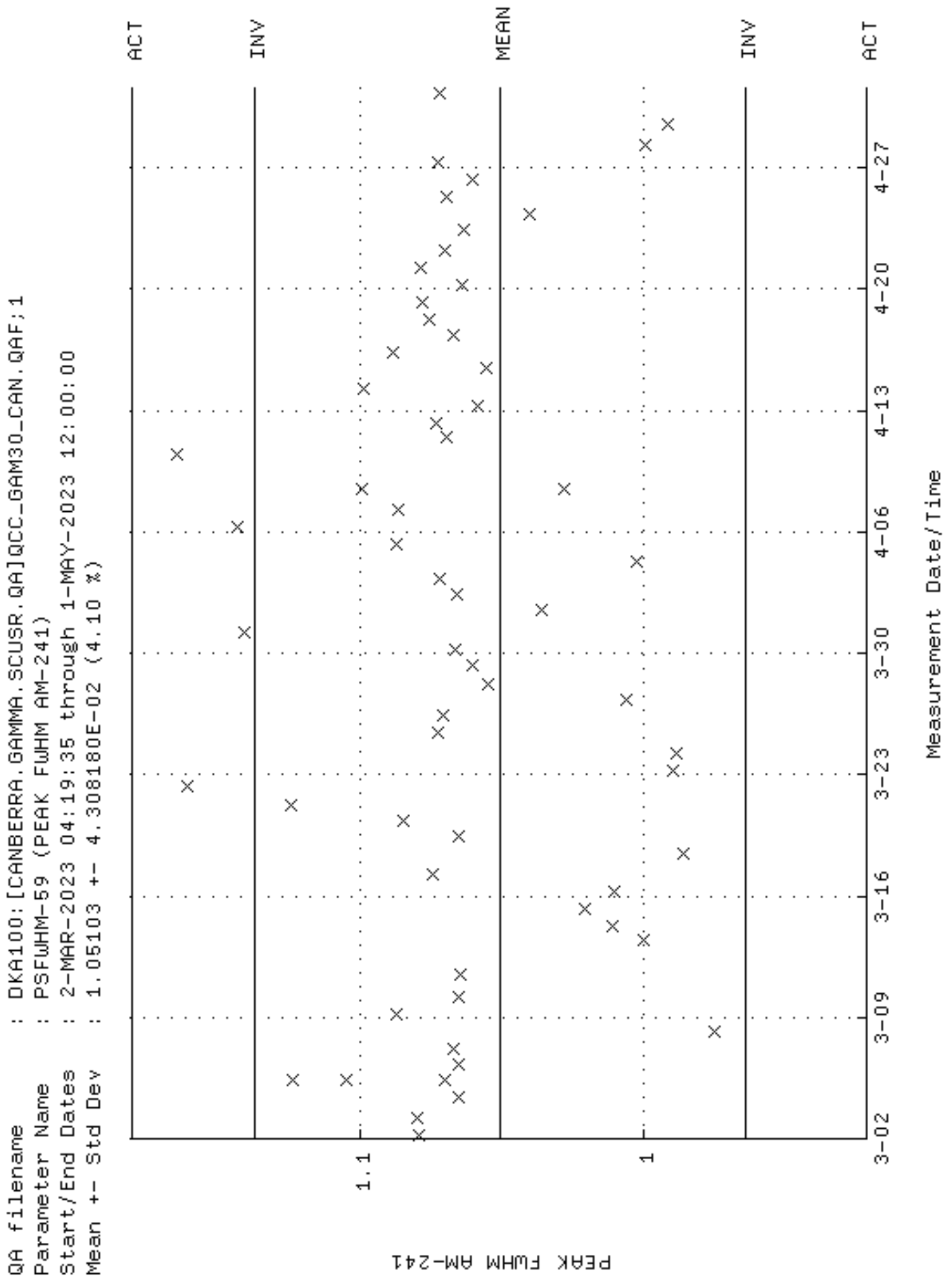

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM29_JAR.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-MAR-2023 04:54:50 through 1-MAY-2023 12:00:00
Mean +- Std Dev : 1.07994 +- 3.730812E-02 (3.45 %)
ACT
INV
MEAN
INV
ACT
1.1
1
PEAK FWHM AM-241
3-02
3-09
3-16
3-23
3-30
4-06
4-13
4-20
4-27
Measurement Date/Time

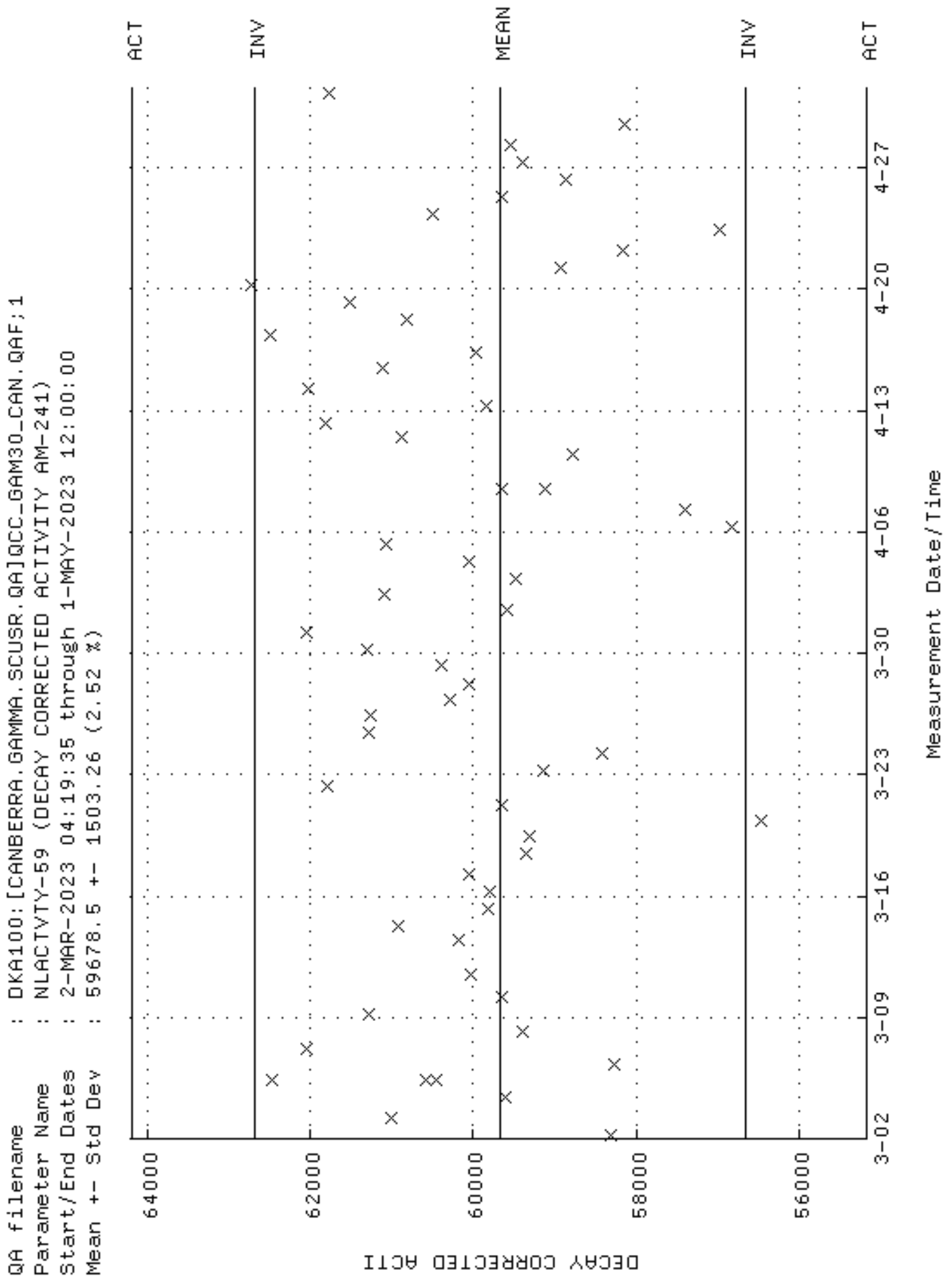

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM29_JAR.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-MAR-2023 04:54:50 through 1-MAY-2023 12:00:00
Mean +- Std Dev : 63202.9 +- 2017.29 (3.19 %)
ACT
INV
MEAN
INV
ACT
65000
60000
DECAY CORRECTED ACTI
3-02
3-09
3-16
3-23
3-30
4-06
4-13
4-20
4-27
Measurement Date/Time

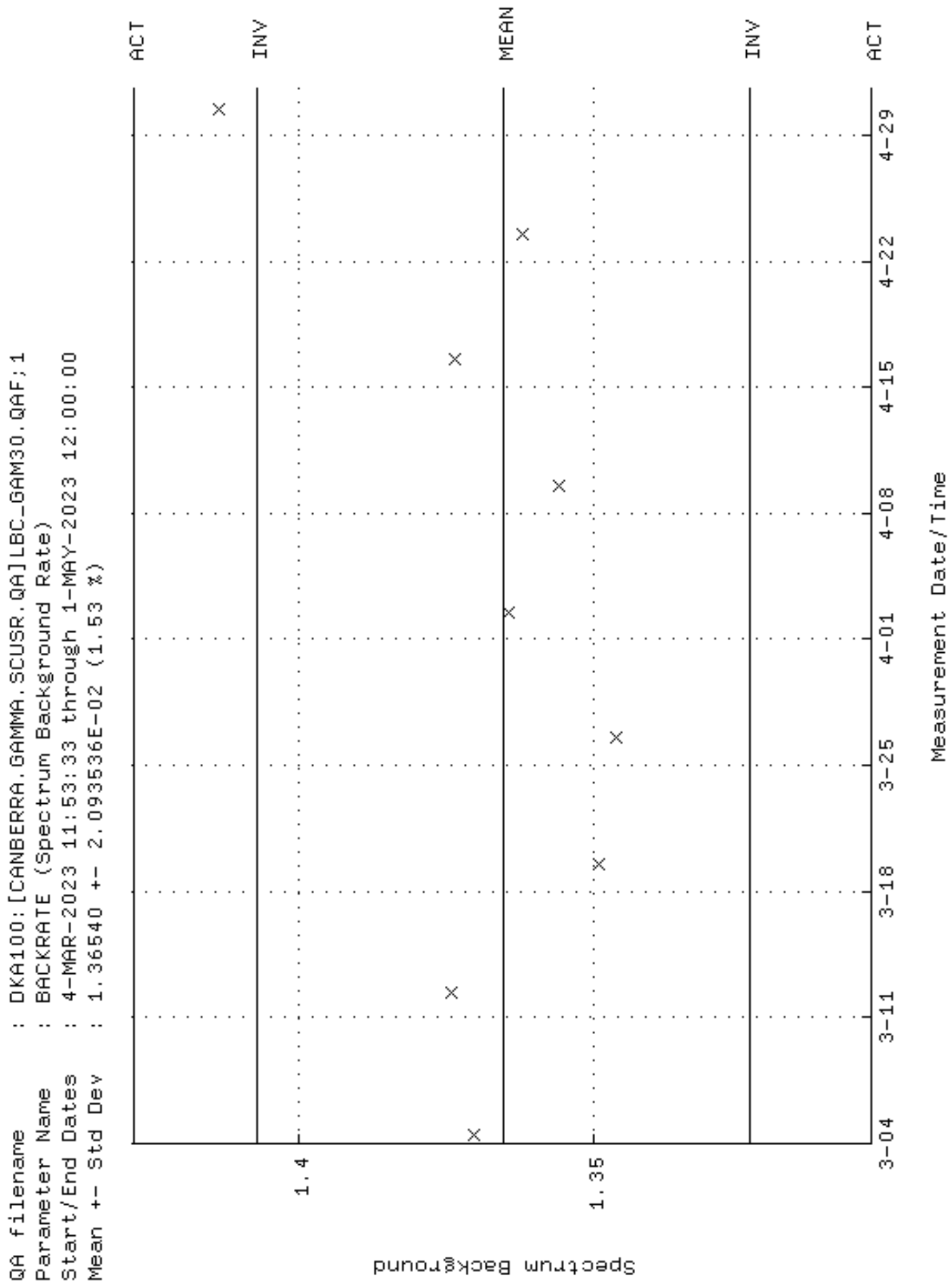

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM29.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 4-MAR-2023 11:53:28 through 1-MAY-2023 12:00:00
Mean +- Std Dev : 1.84501 +- 1.964308E-02 (1.06 %)
ACT
INV
MEAN
INV
ACT
1.9
1.85
1.8
Spectrum Background
3-04
3-11
3-18
3-25
4-01
4-08
4-15
4-22
4-29
Measurement Date/Time

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM30_CAN.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-MAR-2023 04:19:35 through 1-MAY-2023 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400




QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM30_CAN.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-MAR-2023 04:19:35 through 1-MAY-2023 12:00:00
Mean +- Std Dev : 1.05103 +- 4.308180E-02 (4.10 %)
ACT
INV
MEAN
INV
ACT
1.1
1
PEAK FWHM AM-241
3-02
3-09
3-16
3-23
3-30
4-06
4-13
4-20
4-27
Measurement Date/Time


QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM30_CAN.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-MAR-2023 04:19:35 through 1-MAY-2023 12:00:00
Mean +- Std Dev : 59678.5 +- 1503.26 (2.52 %)
ACT
INV
MEAN
INV
ACT
64000
62000
60000
58000
56000
DECAY CORRECTED ACTI
3-02
3-09
3-16
3-23
3-30
4-06
4-13
4-20
4-27
Measurement Date/Time


QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM30.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 4-MAR-2023 11:53:33 through 1-MAY-2023 12:00:00
Mean +- Std Dev : 1.36540 +- 2.093536E-02 (1.53 %)
ACT
INV
MEAN
INV
ACT
1.4
1.35
Spectrum Background
3-04
3-11
3-18
3-25
4-01
4-08
4-15
4-22
4-29
Measurement Date/Time

RAD Standards Traceability

Eckert & Ziegler
Analytics

1380 Seaboard Industrial Blvd.
Atlanta, Georgia 30318
Tel 404•352•8677
Fax 404•352•2837
www.analyticsinc.com

CERTIFICATE OF CALIBRATION

1556

Standard Radionuclide Source

84680-278

100 mL Solid in Aluminum Can

Customer: GEL Labs
P.O. No.: 489884RD, Item 3
Reference Date: 01-Apr-2011 12:00 PM EST **Grams of Master Source:** 0.0066498

This standard radionuclide source was prepared using aliquots measured gravimetrically from master radionuclide solutions. Calibration and purity were checked using a germanium gamma spectrometer system. At the time of calibration no interfering gamma-ray emitting impurities were detected. The gamma ray emission rates for the most intense gamma-ray lines are given. Eckert & Ziegler Analytics (EZA) maintains traceability to the National Institute of Standards and Technology through a Measurements Assurance Program as described in USNRC Regulatory Guide 4.15, Revision 1, February, 1979, and compliance with ANSI N42.22-1995, "Traceability of Radioactive Sources to NIST." EZA is accredited by the Health Physics Society (HPS) for the production of NIST-traceable sources, and this source was produced in accordance with the HPS accreditation requirements. Customers may report any concerns with the accreditation program to the HPS Secretariat, 1313 Dolley Madison Blvd., Ste. 402, McLean, VA 22101. Density of solid matrix 1.15 g/cc.

Nuclide	Gamma-Ray Energy (keV)	Half-Life, Days	Master Source* γps/gram	This Source γps	Uncertainty, % Type u_A	u_B	U	Calibration Method
Pb-210	46.5	8.120E+03	———	1.129E+03	0.1	2.1	4.1	4π LS
Am-241	59.5	1.580E+05	———	7.538E+02	0.1	1.7	3.5	4π LS
Cd-109	88.0	4.626E+02	1.659E+05	1.103E+03	0.6	2.3	4.8	HPGe
Co-57	122.1	2.718E+02	8.949E+04	5.951E+02	0.6	2.0	4.2	HPGe
Ce-139	165.9	1.376E+02	1.247E+05	8.292E+02	0.6	1.9	4.0	HPGe
Hg-203	279.2	4.661E+01	2.899E+05	1.928E+03	0.6	1.9	4.0	HPGe
Sn-113	391.7	1.151E+02	1.739E+05	1.156E+03	0.6	1.9	4.0	HPGe
Cs-137	661.7	1.098E+04	1.107E+05	7.361E+02	0.8	1.9	4.1	HPGe
Y-88	898.0	1.066E+02	4.246E+05	2.824E+03	0.6	1.9	4.0	HPGe
Zn-65	1115.6	2.441E+02	———	1.445E+03	0.1	1.7	3.5	IC
Co-60	1173.2	1.925E+03	2.118E+05	1.408E+03	0.7	1.9	4.0	HPGe
Co-60	1332.5	1.925E+03	2.118E+05	1.408E+03	0.7	1.9	4.0	HPGe
Y-88	1836.1	1.066E+02	4.495E+05	2.989E+03	0.7	1.9	4.0	HPGe

* Master Source refers to Analytics' 8-isotope mixture which is calibrated quarterly.

Calibration Methods: 4π LS - 4 pi Liquid Scintillation Counting, HPGe - High Purity Germanium Gamma-Ray Spectrometer, IC - Ionization Chamber. **Uncertainty:** U - Relative expanded uncertainty, k = 2. See NIST Technical Note 1297, "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results."

(Certificate continued on reverse side)

ACCREDITED SOURCE CALIBRATION LABORATORY HEALTH PHYSICS SOCIETY FOUNDED 1968

RC-S-060-101

Corporate Office
2552 Avenue 21 Tulare, California 93274

Laboratory
1380 Seaboard Industrial Blvd. Atlanta, Georgia, 30318

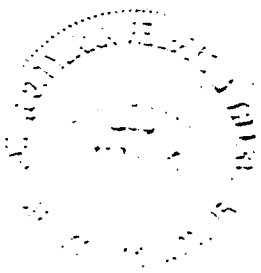
Page 192 of 208 GEL Laboratories LLC

This standard will expire one year after the reference date.

Source Prepared by: M Williford
M. Williford, Radiochemist

QA Approved:
J. D. McCorvey, QA Manager Alternate

Date: 6/27/11



Standard Logbook

Serial ID:	1556	**Open/Reference Date:**	01-APR-11	**Aliquot :**	1 mL
Name:	Mixed Gamma LCS CAN	**Received:**	01-APR-11	**Density :**	Hand Calculated
Type:	Source Material	**Expires:**	01-APR-37	**Lot Number :**	84680-278
Employee:	Maggie Stamps	**Verified:**	14-JUL-11		
Supplier:	Eckert & Zeigler Analytics				

Description: 84680-278

Comments: None

Analyte	Concentration	Analyte	Concentration
Americium-241	125983.3 dpm/mL	Cesium-137	51898.9 dpm/mL
Cobalt-60	84496.9 dpm/mL		

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton
7/14/2011

Isotope	Result
Pb-210	pCi/L
Mixed Gamma N1	722900
Mixed Gamma N2	752300
Mixed Gamma N3	692100

Isotopic Abundance: 0.0425
Certificate Value (dps): 1129

Mean Value (Counting) =	722433.33	pCi/L	100.622	**Pass**
Stdev =	30102.713	pCi/L		**Rule 3 (Pass/Fail)**
Certificate Value =	717965.0	pCi/L		
Lower Limit =	662227.9072	pCi/L		
Upper Limit =	782638.7594	pCi/L		
Rule 1 Pass/Fail	**Pass**			
Two sigma =	60205.42611			
10 % of Mean =	72243.33333			
Rule 2 (Pass/Fail)	**Pass**			

Verification Rules

Rule 1 = The certificate value (NOT including any uncertainty) shall lie within the 95% confidence interval determined from the mean and two sigma standard deviation of the three measurements
Rule 2 = The two sigma value used for the 95% confidence interval shall not exceed 10% of the mean value of the three verification measurements.
Rule 3 = The determined mean value shall be within 5% of the certificate value.

mgH 7/20/11

H.Stamper 7/20/11

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton	**Isotope**	**Result**			
7/14/2011	**Am-241**	**pCi/L**			
	Mixed Gamma N1	58390		Isotopic Abundance:	0.359
	Mixed Gamma N2	60740		Certificate Value (dps):	753.8
	Mixed Gamma N3	57770			
Mean Value (Counting) =	58966.67	pCi/L	**103.9074**	**Pass**	
Stdev =	1566.727	pCi/L		**Rule 3 (Pass/Fail)**	
Certificate Value =	56749.2	pCi/L			
Lower Limit =	55833.21277	pCi/L			
Upper Limit =	62100.12057	pCi/L			
Rule 1 Pass/Fail	**Pass**				
Two sigma =	3133.453898				
10 % of Mean =	5896.666667				
Rule 2 (Pass/Fail)	**Pass**				

Verification Rules

Rule 1 = The certificate value (NOT including any uncertainty) shall lie within the 95% confidence interval determined from the mean and two sigma standard deviation of the three measurements
Rule 2 = The two sigma value used for the 95% confidence interval shall not exceed 10% of the mean value of the three verification measurements.
Rule 3 = The determined mean value shall be within 5% of the certificate value.

mgH 7/20/11

M. Stamps 7/20/11

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton 7/14/2011	Isotope	Result			
	Cd-109	**pCi/L**			
	Mixed Gamma N1	818400		Isotopic Abundance:	0.037
	Mixed Gamma N2	798000		Certificate Value (dps):	1103
	Mixed Gamma N3	764700			
Mean Value (Counting) =	793700.00	pCi/L	**98.51091**	**Pass**	
Stdev =	27107.010	pCi/L		**Rule 3 (Pass/Fail)**	
Certificate Value =	805697.6	pCi/L			
Lower Limit =	739485.9797	pCi/L			
Upper Limit =	847914.0203	pCi/L			
Rule 1 Pass/Fail	**Pass**				
Two sigma =	54214.02033				
10 % of Mean =	79370				
Rule 2 (Pass/Fail)	**Pass**				

Verification Rules

Rule 1 = The certificate value (NOT including any uncertainty) shall lie within the 95% confidence interval determined from the mean and two sigma standard deviation of the three measurements
Rule 2 = The two sigma value used for the 95% confidence interval shall not exceed 10% of the mean value of the three verification measurements.
Rule 3 = The determined mean value shall be within 5% of the certificate value.

mgh 7/20/11

MStamps 7/20/11

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton	**Isotope**	**Result**			
7/14/2011	**Co-57**	**pCi/L**			
	Mixed Gamma N1	19090		Isotopic Abundance:	0.856
	Mixed Gamma N2	18820		Certificate Value (dps):	595.1
	Mixed Gamma N3	18830			
Mean Value (Counting) =	18913.33	pCi/L	**100.6592**	**Pass**	
Stdev =	153.080	pCi/L		**Rule 3 (Pass/Fail)**	
Certificate Value =	18789.5	pCi/L			
Lower Limit =	18607.17433	pCi/L			
Upper Limit =	19219.49233	pCi/L			
Rule 1 Pass/Fail	**Pass**				
Two sigma =	306.1590001				
10 % of Mean =	1891.333333				
Rule 2 (Pass/Fail)	**Pass**				

mgh 7/20/11

MStamper 7/20/11

Verification Rules

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Rule 2 = The two sigma value used for the 95% confidence interval shall not exceed 10% of the mean value of the three verification measurements.
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Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton	**Isotope**	**Result**			
7/14/2011	**Ce-139**	**pCi/L**			
	Mixed Gamma N1	28740		Isotopic Abundance:	0.8
	Mixed Gamma N2	29410		Certificate Value (dps):	829.2
	Mixed Gamma N3	27560			
Mean Value (Counting) =	28570.00	pCi/L	**101.9865**	**Pass**	
Stdev =	936.643	pCi/L		**Rule 3 (Pass/Fail)**	
Certificate Value =	28013.5	pCi/L			
Lower Limit =	26696.71412	pCi/L			
Upper Limit =	30443.28588	pCi/L			
Rule 1 Pass/Fail	**Pass**				
Two sigma =	1873.285883				
10 % of Mean =	2857				
Rule 2 (Pass/Fail)	**Pass**				

mgH 7/20/11

Verification Rules

Rule 1 = The certificate value (NOT including any uncertainty) shall lie within the 95% confidence interval determined from the mean and two sigma standard deviation of the three measurements
Rule 2 = The two sigma value used for the 95% confidence interval shall not exceed 10% of the mean value of the three verification measurements.
Rule 3 = The determined mean value shall be within 5% of the certificate value.

pl Stamp 7/20/11

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton
7/14/2011

	Isotope	Result			
	Hg-203	**pCi/L**			
	Mixed Gamma N1	66300		Isotopic Abundance:	0.8156
	Mixed Gamma N2	68180		Certificate Value (dps):	1928
	Mixed Gamma N3	64480			
Mean Value (Counting) =	66320.00	pCi/L	**103.8046**	**Pass**	
Stdev =	1850.081	pCi/L		**Rule 3 (Pass/Fail)**	
Certificate Value =	63889.3	pCi/L			
Lower Limit =	62619.83784	pCi/L			
Upper Limit =	70020.16216	pCi/L			
Rule 1 Pass/Fail	**Pass**				
Two sigma =	3700.162159				
10 % of Mean =	6632				
Rule 2 (Pass/Fail)	**Pass**				

mgH 7/20/11

MStamper 7/20/11

Verification Rules

Rule 1 = The certificate value (NOT including any uncertainty) shall lie within the 95% confidence interval determined from the mean and two sigma standard deviation of the three measurements
Rule 2 = The two sigma value used for the 95% confidence interval shall not exceed 10% of the mean value of the three verification measurements.
Rule 3 = The determined mean value shall be within 5% of the certificate value.

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton
7/14/2011

Isotope	Result
Sn-113	pCi/L
Mixed Gamma N1	49560
Mixed Gamma N2	49620
Mixed Gamma N3	48300

Isotopic Abundance: 0.6497
Certificate Value (dps): 1156

Mean Value (Counting) =	49160.00	pCi/L	**102.2277**	**Pass**
Stdev =	745.386	pCi/L		**Rule 3 (Pass/Fail)**
Certificate Value =	48088.7	pCi/L		
Lower Limit =	47669.22839	pCi/L		
Upper Limit =	50650.77161	pCi/L		
Rule 1 Pass/Fail	**Pass**			
Two sigma =	1490.771612			
10 % of Mean =	4916			
Rule 2 (Pass/Fail)	**Pass**			

mgH 7/20/11

Hoffampl 7/20/11

Verification Rules

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Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton	**Isotope**	**Result**			
7/14/2011	**Cs-137**	**pCi/L**			
	Mixed Gamma N1	23710		Isotopic Abundance:	0.851
	Mixed Gamma N2	23950		Certificate Value (dps):	736.1
	Mixed Gamma N3	24040			
Mean Value (Counting) =	23900.00	pCi/L	**102.2333**	**Pass**	
Stdev =	170.587	pCi/L		**Rule 3 (Pass/Fail)**	
Certificate Value =	23377.9	pCi/L			
Lower Limit =	23558.82556	pCi/L			
Upper Limit =	24241.17444	pCi/L			
Rule 1 Pass/Fail	**Fail**	***exception taken due to full recovery of standard**			
Two sigma =	341.1744422				
10 % of Mean =	2390				
Rule 2 (Pass/Fail)	**Pass**				

7/20/11

Verification Rules

Rule 1 = The certificate value (NOT including any uncertainty) shall lie within the 95% confidence interval determined from the mean and two sigma standard deviation of the three measurements
Rule 2 = The two sigma value used for the 95% confidence interval shall not exceed 10% of the mean value of the three verification measurements.
Rule 3 = The determined mean value shall be within 5% of the certificate value.

MStamps
7/20/11

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton	**Isotope**	**Result**			
7/14/2011	**Y-88 (898)**	**pCi/L**			
	Mixed Gamma N1	82690		Isotopic Abundance:	0.937
	Mixed Gamma N2	81320		Certificate Value (dps):	2824
	Mixed Gamma N3	80940			
Mean Value (Counting) =	81650.00	pCi/L	**100.2381**	**Pass**	
Stdev =	920.489	pCi/L		**Rule 3 (Pass/Fail)**	
Certificate Value =	81456.1	pCi/L			
Lower Limit =	79809.022	pCi/L			
Upper Limit =	83490.978	pCi/L			
Rule 1 Pass/Fail	**Pass**				
Two sigma =	1840.978001				
10 % of Mean =	8165				
Rule 2 (Pass/Fail)	**Pass**				

mgN 7/20/11

Mstamp 7/20/11

Verification Rules

Rule 1 = The certificate value (NOT including any uncertainty) shall lie within the 95% confidence interval determined from the mean and two sigma standard deviation of the three measurements
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Rule 3 = The determined mean value shall be within 5% of the certificate value.

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton
7/14/2011

	Isotope	Result			
	Co-60 (1173)	**pCi/L**			
	Mixed Gamma N1	38910		Isotopic Abundance:	0.9985
	Mixed Gamma N2	39750		Certificate Value (dps):	1408
	Mixed Gamma N3	38840			
Mean Value (Counting) =	39166.67	pCi/L	**102.7694**	**Pass**	
Stdev =	506.392	pCi/L		**Rule 3 (Pass/Fail)**	
Certificate Value =	38111.2	pCi/L			
Lower Limit =	38153.88173	pCi/L			
Upper Limit =	40179.45161	pCi/L			
Rule 1 Pass/Fail	**Fail**	***exception taken due to full recovery of standard**			
Two sigma =	1012.784939				
10 % of Mean =	3916.666667				
Rule 2 (Pass/Fail)	**Pass**				

mgd 7/20/11

MStamper 7/20/11

Verification Rules

Rule 1 = The certificate value (NOT including any uncertainty) shall lie within the 95% confidence interval determined from the mean and two sigma standard deviation of the three measurements
Rule 2 = The two sigma value used for the 95% confidence interval shall not exceed 10% of the mean value of the three verification measurements.
Rule 3 = The determined mean value shall be within 5% of the certificate value.

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton	**Isotope**	**Result**			
7/14/2011	**Co-60 (1332.50)**	**pCi/L**			
	Mixed Gamma N1	38940		Isotopic Abundance:	0.9998
	Mixed Gamma N2	40200		Certificate Value (dps):	1408
	Mixed Gamma N3	39150			
Mean Value (Counting) =	39430.00	pCi/L	**103.595**	**Pass**	
Stdev =	675.056	pCi/L		**Rule 3 (Pass/Fail)**	
Certificate Value =	38061.7	pCi/L			
Lower Limit =	38079.88889	pCi/L			
Upper Limit =	40780.11111	pCi/L			
Rule 1 Pass/Fail	**Fail**	***exception taken due to full recovery of standard**			
Two sigma =	1350.111107				
10 % of Mean =	3943				
Rule 2 (Pass/Fail)	**Pass**				

mgw 7/20/11

MStamps 7/20/11

Verification Rules

Rule 1 = The certificate value (NOT including any uncertainty) shall lie within the 95% confidence interval determined from the mean and two sigma standard deviation of the three measurements
Rule 2 = The two sigma value used for the 95% confidence interval shall not exceed 10% of the mean value of the three verification measurements.
Rule 3 = The determined mean value shall be within 5% of the certificate value.

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton
7/14/2011

Isotope	Result
Y-88 (1836.1)	pCi/L
Mixed Gamma N1	82870
Mixed Gamma N2	83080
Mixed Gamma N3	84640

Isotopic Abundance: 0.992
Certificate Value (dps): 2989

Mean Value (Counting) =	83530.00	pCi/L	102.5723	**Pass**
Stdev =	967.006	pCi/L		**Rule 3 (Pass/Fail)**
Certificate Value =	81435.3	pCi/L		
Lower Limit =	81595.98862	pCi/L		
Upper Limit =	85464.01138	pCi/L		
Rule 1 Pass/Fail	**Fail**	***exception taken due to full recovery of standard**		
Two sigma =	1934.011375			
10 % of Mean =	8353			
Rule 2 (Pass/Fail)	**Pass**			

mgh 7/20/11

MStamper 7/20/11

Verification Rules

Rule 1 = The certificate value (NOT including any uncertainty) shall lie within the 95% confidence interval determined from the mean and two sigma standard deviation of the three measurements
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Rule 3 = The determined mean value shall be within 5% of the certificate value.

Standard Logbook

Serial ID:	1556	**Open/Reference Date:**	01-APR-11	**Aliquot :**	1 mL
Name:	Mixed Gamma LCS CAN	**Received:**	01-APR-11	**Density :**	Hand Calculated
Type:	Source Material	**Expires:**	01-APR-37	**Lot Number :**	84680-278
Employee:	Maggie Stamps	**Verified:**	14-JUL-11		
Supplier:	Eckert & Zeigler Analytics				

Description: 84680-278

Comments: None

Analyte	Concentration	Analyte	Concentration
Americium-241	125983.3 dpm/mL	Cesium-137	51898.9 dpm/mL
Cobalt-60	84496.9 dpm/mL		

Runlogs

Instrument Run Log

Instrument Type: GAMMA SPECTROMETER **Batch ID: 2414710**

Sample ID	Sample Type	Analyst	Instrument	Run Date	Status	Geometry	Calibration Date
618474001	SAMPLE	MJH1	GAM04	MAY-08-23 04:59:40	DONE	CAN	02-DEC-22 00:00
618474002	SAMPLE	MJH1	GAM29	MAY-08-23 05:00:06	DONE	CAN	25-JUN-22 00:00
618474003	SAMPLE	MJH1	GAM07	MAY-08-23 05:49:41	DONE	CAN	12-JUL-22 00:00
1205377294	MB	MJH1	GAM30	MAY-08-23 05:50:23	DONE	CAN	19-SEP-22 00:00
1205377296	LCS	MJH1	GAM14	MAY-08-23 06:53:40	DONE	CAN	12-OCT-22 00:00
1205377295	DUP	MJH1	GAM03	MAY-08-23 07:15:11	DONE	CAN	12-OCT-22 00:00

Attachment B

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

August 12, 2025

Alex Bartels
MJW Technical Services
15 Hazelwood Drive
Suite 112
Amherst, New York 14228

Re: Routine Analytical
Work Order: 733378

Dear Alex Bartels:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 16, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4422.

Sincerely,

A. Melendrez

Adrian Melendrez for
Jacob Crook
Project Manager

Purchase Order: GELP24-1624
Enclosures

MJW Technical Services
Routine Analytical
SDG: 733378

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Case Narrative

Case Narrative
for
MJW Technical Services
SDG: 733378

August 12, 2025

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary

Sample Receipt The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on July 16, 2025 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification The laboratory received the following samples:

Laboratory ID	Client ID
733378001	LA - TP8 - 1025
733378002	LA - TP8 - 1025 Dup
733378003	LA - TP14 - 1125
733378004	LA - LC71125

Case Narrative

Sample analyses were conducted using methodology as outlined in GEL Laboratories, LLC (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

Data Package

The enclosed data package contains the following sections: General Narrative, Chain of Custody and Supporting Documentation, and data from the following fractions: Radiochemistry.

A. Melendrez

Adrian Melendrez for
Jacob Crook
Project Manager

List of current GEL Certifications as of 12 August 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

Chain of Custody and Supporting Documentation

Page: _____ of _____
Project # _____
GEL Quote #: _____
COC Number (1): _____
PO Number:

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: 733378
GEL Project Manager:

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: MJW for La Bella
Phone # 716-631-8291
Project/Site Name: 9 Lake view
Fax #
Address: 15 Hazelwood Drive Suite 112 Amherst NY 14228
Collected By: P. Koch
Send Results To: gbartels@mjwcorp.com

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Sample Analysis Requested (5) (Fill in the number of containers for each test): Gamma	<-- Preservative Type (6)	Comments
LA-TP8-1025	07-1025	0800	N	N	SO			1	X		gamma 21 day ingrowth
LA-TP8-1025 Dup	07-10-25	0800	FD	N	SO			1	X		
LA-TP14-1125	07-11-25	0900	N	N	SO			1	X		
LA-LC71125	07-11-25	01130	N	N	SO			1	X		

Note: extra sample is required for sample specific QC

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	[signature]	7-14-25	0900	[signature]	7/16/25	950
2						
3						

> For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [ ] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [ ] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks:

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No Cooler Temp: 22 °C

Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: MJWC | SDG/AR/COC/Work Order: 733378 | GEL PM: JC

Received By: CLM | Date Received at GEL: 7/16/25

Carrier (Circle Applicable): FedEx Express | FedEx Ground | UPS | Field Services | Courier | Client | Other:

IR Temp gun # IR5-23 | Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
882766197239	22	✓			

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A) Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?			✓	Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?			✓	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?			✓	
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials AM Date 7/18/25

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

Data Review Qualifier Definitions

Data Review Qualifier Definitions

Qualifier	Explanation
*	A quality control analyte recovery is outside of specified acceptance criteria
**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
A	The TIC is a suspected aldol-condensation product
B	Target analyte was detected in the associated blank
B	Metals-Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
d	5-day BOD-The 2:1 depletion requirement was not met for this sample
E	Organics-Concentration of the target analyte exceeds the instrument calibration range
E	Metals-%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
H	Analytical holding time was exceeded
h	Preparation or preservation holding time was exceeded
J	Value is estimated
N	Metals-The Matrix spike sample recovery is not within specified control limits
N	Organics-Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC). Quantitation is based on nearest internal standard response factor
N/A	Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
ND	Analyte concentration is not detected above the reporting limit
UI	Gamma Spectroscopy-Uncertain identification
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
Z	Paint Filter Test-Particulates passed through the filter, however no free liquids were observed.
P	Organics-The concentrations between the primary and confirmation columns/detectors is >40% difference.

For HPLC, the difference is >70%.

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Radiological Analysis

Case Narrative

Radiochemistry
Technical Case Narrative
MJW Technical Services
SDG #: 733378

Product: **Dry Weight**
Preparation Method: Dry Soil Prep
Preparation Procedure: GL-RAD-A-021 REV# 25
Preparation Batch: 2831053

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
733378001	LA - TP8 - 1025
733378002	LA - TP8 - 1025 Dup
733378003	LA - TP14 - 1125
733378004	LA - LC71125

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **Gammaspec, Gamma, Solid (Standard List)**
Analytical Method: DOE HASL 300, 4.5.2.3/Ga-01-R
Analytical Procedure: GL-RAD-A-013 REV# 29
Analytical Batch: 2831784

Preparation Method: Dry Soil Prep
Preparation Procedure: GL-RAD-A-021 REV# 25
Preparation Batch: 2831053

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
733378001	LA - TP8 - 1025
733378002	LA - TP8 - 1025 Dup
733378003	LA - TP14 - 1125
733378004	LA - LC71125
1206172840	Method Blank (MB)
1206172841	733378001(LA - TP8 - 1025) Sample Duplicate (DUP)
1206172842	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on a "dry weight" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Qualifier Information

Qualifier	Reason	Analyte	Sample
UI	Results are considered a false positive due to high peak-width.	Barium-140	733378004 (LA - LC71125)
		Thorium-234	733378002 (LA - TP8 - 1025 Dup)
		Uranium-238	733378002 (LA - TP8 - 1025 Dup)
UI	Results are considered a false positive due to low abundance.	Actinium-228	733378003 (LA - TP14 - 1125)
		Cesium-134	733378001 (LA - TP8 - 1025)
		Radium-228	733378003 (LA - TP14 - 1125)
UI	Results are considered a false positive due to no valid peak.	Thorium-234	733378001 (LA - TP8 - 1025)
		Uranium-238	733378001 (LA - TP8 - 1025)

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Moisture LogBook

Batch: 2831053
Analyst: GG
Date/Time: 22-JUL-2025
Procedure Code:___PREPD
Procedure Description: Dry Soil Prep GL-RAD-A-021
Lab Sop: GL-RAD-A-021

Sample St	Sample Id	Rpd(%)

Sample Id	Sample Type	Original Hsn	Balance	Run Time	Container Wt	Initial Wt	Final Wt (g)	Net Initial Wt (g)	Net Final Wt (g)	Moisture (%)
733378001	SAMPLE		SP-C238839655	14:07	65.92	472.36	438.78	406.44	372.86	8.261
733378002	SAMPLE		SP-C238839655	14:07	65.6	403.54	368.38	337.94	302.78	10.404
733378003	SAMPLE		SP-C238839655	14:07	65.61	472.32	452	406.71	386.39	4.996
733378004	SAMPLE		SP-C238839655	14:07	65.8	524.24	481.19	458.44	415.39	9.39

Comments:

A) Result = (Net Initial - Net Final) /Net Initial * 100

Note: Aliquot is used for the determination of the effective MDL and PQL in LIMS

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Qualifier Definition Report
for

MJWC001 MJW Technical Services

Client SDG: 733378 GEL Work Order: 733378

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a Tracer compound
U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
UI Gamma Spectroscopy--Uncertain identification

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: John Petrovic **Name: John Petrovic**

Date: 12 AUG 2025 **Title: Data Validator II**

Sample Data Summary

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MJW Technical Services
Address : 15 Hazelwood Drive
Suite 112
Amherst, New York 14228

Report Date: August 12, 2025

Contact: Alex Bartels
Project: Routine Analytical

Client Sample ID: LA - TP8 - 1025
Sample ID: 733378001
Matrix: Soil
Collect Date: 10-JUL-25
Receive Date: 16-JUL-25
Collector: Client
Moisture: 8.26%

Project: MJWC01325
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis														
Gammaspec, Gamma, Solid (Standard List) "Dry Weight Corrected"														
Actinium-228		1.26	+/-0.387	0.299	+/-0.418		pCi/g			RXF2	08/12/25	0558	2831784	1
Americium-241	U	-0.180	+/-0.229	0.372	+/-0.244		pCi/g							
Antimony-124	U	-0.0914	+/-0.121	0.206	+/-0.128		pCi/g							
Antimony-125	U	-0.0794	+/-0.113	0.196	+/-0.119		pCi/g							
Barium-133	U	0.00311	+/-0.0472	0.0824	+/-0.0472		pCi/g							
Barium-140	U	0.587	+/-0.811	1.67	+/-0.855		pCi/g							
Beryllium-7	U	0.286	+/-0.478	0.965	+/-0.495		pCi/g							
Bismuth-212	U	1.09	+/-0.732	1.56	+/-0.887		pCi/g							
Bismuth-214		1.21	+/-0.287	0.160	+/-0.304		pCi/g							
Cerium-139	U	-0.0211	+/-0.0421	0.0712	+/-0.0434		pCi/g							
Cerium-141	U	0.0224	+/-0.203	0.190	+/-0.203		pCi/g							
Cerium-144	U	-0.120	+/-0.274	0.434	+/-0.279		pCi/g							
Cesium-134	UI	0.000	+/-0.113	0.136	+/-0.130		pCi/g							
Cesium-136	U	0.0995	+/-0.307	0.640	+/-0.310		pCi/g							
Cesium-137	U	0.0313	+/-0.0477	0.0926	+/-0.0498	0.100	pCi/g							
Chromium-51	U	-0.0592	+/-0.632	1.20	+/-0.633		pCi/g							
Cobalt-56	U	-0.0378	+/-0.0500	0.0832	+/-0.0530		pCi/g							
Cobalt-57	U	0.00743	+/-0.0322	0.0592	+/-0.0324		pCi/g							
Cobalt-58	U	-0.00202	+/-0.0618	0.120	+/-0.0618		pCi/g							
Cobalt-60	U	0.00207	+/-0.0574	0.111	+/-0.0574		pCi/g							
Europium-152	U	0.0291	+/-0.132	0.243	+/-0.133		pCi/g							
Europium-154	U	-0.123	+/-0.143	0.228	+/-0.154		pCi/g							
Europium-155	U	0.142	+/-0.172	0.230	+/-0.172		pCi/g							
Iridium-192	U	-0.00296	+/-0.0472	0.0895	+/-0.0472		pCi/g							
Iron-59	U	-0.0140	+/-0.135	0.262	+/-0.136		pCi/g							
Lead-210	U	-2.09	+/-7.89	14.6	+/-7.95		pCi/g							
Lead-212		1.50	+/-0.164	0.132	+/-0.215		pCi/g							
Lead-214		1.61	+/-0.242	0.146	+/-0.282		pCi/g							
Manganese-54	U	-0.0168	+/-0.0460	0.0858	+/-0.0467		pCi/g							
Mercury-203	U	0.0308	+/-0.0617	0.113	+/-0.0633		pCi/g							
Neodymium-147	U	1.30	+/-2.37	4.67	+/-2.45		pCi/g							
Neptunium-239	U	-0.00535	+/-0.310	0.562	+/-0.310		pCi/g							
Niobium-94	U	-0.0326	+/-0.0509	0.0840	+/-0.0530		pCi/g							
Niobium-95	U	-0.0728	+/-0.0727	0.127	+/-0.0801		pCi/g							
Potassium-40		10.8	+/-1.88	1.11	+/-2.26		pCi/g							
Promethium-144	U	-0.0275	+/-0.0495	0.0829	+/-0.0511		pCi/g							
Promethium-146	U	0.00464	+/-0.0504	0.0960	+/-0.0504		pCi/g							
Radium-226		1.61	+/-0.242	0.146	+/-0.282		pCi/g							

GEL LABORATORIES LLC
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Certificate of Analysis

Company : MJW Technical Services
Address : 15 Hazelwood Drive
Suite 112
Amherst, New York 14228

Report Date: August 12, 2025

Contact: Alex Bartels
Project: Routine Analytical

Client Sample ID: LA - TP8 - 1025
Sample ID: 733378001

Project: MJWC01325
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis														
Gammaspec, Gamma, Solid (Standard List) "Dry Weight Corrected"														
Radium-228		1.26	+/-0.387	0.299	+/-0.418		pCi/g							
Ruthenium-106	U	0.136	+/-0.377	0.743	+/-0.382		pCi/g							
Silver-110m	U	-0.00314	+/-0.0556	0.111	+/-0.0556		pCi/g							
Sodium-22	U	-0.0438	+/-0.0508	0.0811	+/-0.0547		pCi/g							
Thallium-208		0.391	+/-0.112	0.0784	+/-0.117		pCi/g							
Thorium-234	UI	0.000	+/-4.55	2.96	+/-4.75		pCi/g							
Tin-113	U	-0.00656	+/-0.0664	0.123	+/-0.0664		pCi/g							
Uranium-235	U	0.256	+/-0.428	0.480	+/-0.428		pCi/g							
Uranium-238	UI	0.000	+/-4.55	2.96	+/-4.75		pCi/g							
Yttrium-88	U	-0.0334	+/-0.0423	0.0681	+/-0.0450		pCi/g							
Zinc-65	U	-0.000279	+/-0.136	0.229	+/-0.136		pCi/g							
Zirconium-95	U	-0.0170	+/-0.113	0.203	+/-0.113		pCi/g							

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	GG	07/22/25	1407	2831053

The following Analytical Methods were performed

Method	Description
1	DOE HASL 300, 4.5.2.3/Ga-01-R

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
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Certificate of Analysis

Company : MJW Technical Services
Address : 15 Hazelwood Drive
Suite 112
Amherst, New York 14228

Report Date: August 12, 2025

Contact: Alex Bartels
Project: Routine Analytical

Client Sample ID: LA - TP8 - 1025 Dup
Sample ID: 733378002
Matrix: Soil
Collect Date: 10-JUL-25
Receive Date: 16-JUL-25
Collector: Client
Moisture: 10.4%

Project: MJWC01325
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis														
Gammaspec, Gamma, Solid (Standard List) "Dry Weight Corrected"														
Actinium-228		1.32	+/-0.464	0.376	+/-0.481		pCi/g			RXF2	08/12/25	0615	2831784	1
Americium-241	U	0.122	+/-0.250	0.442	+/-0.256		pCi/g							
Antimony-124	U	-0.00240	+/-0.110	0.244	+/-0.110		pCi/g							
Antimony-125	U	-0.0710	+/-0.118	0.200	+/-0.122		pCi/g							
Barium-133	U	0.0273	+/-0.0494	0.0899	+/-0.0510		pCi/g							
Barium-140	U	-0.268	+/-0.942	1.67	+/-0.950		pCi/g							
Beryllium-7	U	0.258	+/-0.436	0.893	+/-0.452		pCi/g							
Bismuth-212	U	1.54	+/-0.831	1.82	+/-1.09		pCi/g							
Bismuth-214		1.24	+/-0.267	0.154	+/-0.296		pCi/g							
Cerium-139	U	0.00733	+/-0.0385	0.0719	+/-0.0387		pCi/g							
Cerium-141	U	0.0146	+/-0.116	0.211	+/-0.117		pCi/g							
Cerium-144	U	-0.105	+/-0.286	0.457	+/-0.290		pCi/g							
Cesium-134	U	0.0612	+/-0.111	0.119	+/-0.115		pCi/g							
Cesium-136	U	0.171	+/-0.342	0.731	+/-0.351		pCi/g							
Cesium-137	U	0.000864	+/-0.0532	0.0998	+/-0.0532	0.100	pCi/g							
Chromium-51	U	-0.242	+/-0.598	1.06	+/-0.608		pCi/g							
Cobalt-56	U	0.0214	+/-0.0475	0.104	+/-0.0486		pCi/g							
Cobalt-57	U	-0.0121	+/-0.0355	0.0640	+/-0.0359		pCi/g							
Cobalt-58	U	-0.0174	+/-0.0506	0.0970	+/-0.0512		pCi/g							
Cobalt-60	U	0.0303	+/-0.0460	0.106	+/-0.0480		pCi/g							
Europium-152	U	-0.104	+/-0.116	0.192	+/-0.126		pCi/g							
Europium-154	U	0.0458	+/-0.115	0.261	+/-0.117		pCi/g							
Europium-155	U	-0.0484	+/-0.147	0.267	+/-0.149		pCi/g							
Iridium-192	U	0.0116	+/-0.0453	0.0864	+/-0.0456		pCi/g							
Iron-59	U	0.00116	+/-0.121	0.249	+/-0.121		pCi/g							
Lead-210	U	-2.32	+/-5.78	9.52	+/-5.88		pCi/g							
Lead-212		1.08	+/-0.146	0.112	+/-0.171		pCi/g							
Lead-214		1.26	+/-0.244	0.160	+/-0.264		pCi/g							
Manganese-54	U	-0.0231	+/-0.0541	0.0864	+/-0.0551		pCi/g							
Mercury-203	U	-0.0747	+/-0.0690	0.0967	+/-0.0770		pCi/g							
Neodymium-147	U	-0.862	+/-2.54	4.45	+/-2.58		pCi/g							
Neptunium-239	U	-0.0941	+/-0.324	0.589	+/-0.327		pCi/g							
Niobium-94	U	0.00509	+/-0.0442	0.0829	+/-0.0443		pCi/g							
Niobium-95	U	-0.0453	+/-0.0747	0.105	+/-0.0776		pCi/g							
Potassium-40		16.6	+/-1.95	0.865	+/-2.44		pCi/g							
Promethium-144	U	0.0237	+/-0.0469	0.0928	+/-0.0481		pCi/g							
Promethium-146	U	0.0587	+/-0.0524	0.110	+/-0.0591		pCi/g							
Radium-226		1.26	+/-0.244	0.160	+/-0.264		pCi/g							
Radium-228		1.32	+/-0.464	0.376	+/-0.481		pCi/g							

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MJW Technical Services
Address : 15 Hazelwood Drive
Suite 112
Amherst, New York 14228

Report Date: August 12, 2025

Contact: Alex Bartels
Project: Routine Analytical

Client Sample ID: LA - TP8 - 1025 Dup
Sample ID: 733378002

Project: MJWC01325
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis														
Gammaspec, Gamma, Solid (Standard List) "Dry Weight Corrected"														
Ruthenium-106	U	-0.167	+/-0.411	0.713	+/-0.418		pCi/g							
Silver-110m	U	-0.0167	+/-0.0536	0.104	+/-0.0541		pCi/g							
Sodium-22	U	0.0151	+/-0.0407	0.0919	+/-0.0413		pCi/g							
Thallium-208		0.275	+/-0.128	0.0929	+/-0.131		pCi/g							
Thorium-234	UI	0.000	+/-4.55	3.43	+/-4.81		pCi/g							
Tin-113	U	0.0159	+/-0.0533	0.104	+/-0.0538		pCi/g							
Uranium-235	U	-0.138	+/-0.260	0.450	+/-0.260		pCi/g							
Uranium-238	UI	0.000	+/-4.55	3.43	+/-4.81		pCi/g							
Yttrium-88	U	-0.0105	+/-0.0346	0.0732	+/-0.0349		pCi/g							
Zinc-65	U	0.0206	+/-0.126	0.227	+/-0.126		pCi/g							
Zirconium-95	U	0.0975	+/-0.181	0.220	+/-0.186		pCi/g							

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	GG	07/22/25	1407	2831053

The following Analytical Methods were performed

Method	Description
1	DOE HASL 300, 4.5.2.3/Ga-01-R

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : MJW Technical Services
Address : 15 Hazelwood Drive
Suite 112
Amherst, New York 14228

Report Date: August 12, 2025

Contact: Alex Bartels
Project: Routine Analytical

Client Sample ID: LA - TP14 - 1125
Sample ID: 733378003
Matrix: Soil
Collect Date: 11-JUL-25
Receive Date: 16-JUL-25
Collector: Client
Moisture: 5%

Project: MJWC01325
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis														
Gammaspec, Gamma, Solid (Standard List) "Dry Weight Corrected"														
Actinium-228	UI	0.000	+/-0.332	0.657	+/-0.495		pCi/g			RXF2	08/12/25	0716	2831784	1
Americium-241	U	0.00727	+/-0.0534	0.103	+/-0.0535		pCi/g							
Antimony-124	U	-0.120	+/-0.138	0.191	+/-0.149		pCi/g							
Antimony-125	U	-0.0168	+/-0.0942	0.181	+/-0.0945		pCi/g							
Barium-133	U	-0.00700	+/-0.0483	0.0833	+/-0.0484		pCi/g							
Barium-140	U	-0.652	+/-0.846	1.44	+/-0.898		pCi/g							
Beryllium-7	U	-0.195	+/-0.409	0.744	+/-0.419		pCi/g							
Bismuth-212		2.39	+/-0.733	0.883	+/-0.766		pCi/g							
Bismuth-214		0.985	+/-0.236	0.178	+/-0.252		pCi/g							
Cerium-139	U	0.0231	+/-0.0334	0.0642	+/-0.0338		pCi/g							
Cerium-141	U	0.0250	+/-0.120	0.143	+/-0.120		pCi/g							
Cerium-144	U	-0.0189	+/-0.183	0.313	+/-0.184		pCi/g							
Cesium-134	U	0.0504	+/-0.0618	0.125	+/-0.0660		pCi/g							
Cesium-136	U	0.143	+/-0.247	0.586	+/-0.256		pCi/g							
Cesium-137	U	0.00722	+/-0.0447	0.0882	+/-0.0449	0.100	pCi/g							
Chromium-51	U	-0.0367	+/-0.554	1.09	+/-0.555		pCi/g							
Cobalt-56	U	0.0462	+/-0.0468	0.112	+/-0.0514		pCi/g							
Cobalt-57	U	0.00201	+/-0.0210	0.0392	+/-0.0210		pCi/g							
Cobalt-58	U	0.0324	+/-0.0598	0.125	+/-0.0616		pCi/g							
Cobalt-60	U	0.0228	+/-0.0472	0.108	+/-0.0483		pCi/g							
Europium-152	U	-0.0437	+/-0.0881	0.164	+/-0.0904		pCi/g							
Europium-154	U	-0.175	+/-0.158	0.233	+/-0.177		pCi/g							
Europium-155	U	0.0756	+/-0.0819	0.166	+/-0.0890		pCi/g							
Iridium-192	U	0.0102	+/-0.0410	0.0828	+/-0.0413		pCi/g							
Iron-59	U	0.00317	+/-0.115	0.221	+/-0.115		pCi/g							
Lead-210	U	0.654	+/-1.05	0.771	+/-1.05		pCi/g							
Lead-212		1.02	+/-0.143	0.116	+/-0.185		pCi/g							
Lead-214		1.21	+/-0.240	0.140	+/-0.263		pCi/g							
Manganese-54	U	0.0427	+/-0.0494	0.0734	+/-0.0496		pCi/g							
Mercury-203	U	0.0501	+/-0.106	0.0969	+/-0.107		pCi/g							
Neodymium-147	U	0.289	+/-1.81	3.60	+/-1.81		pCi/g							
Neptunium-239	U	0.104	+/-0.214	0.419	+/-0.219		pCi/g							
Niobium-94	U	0.0253	+/-0.0511	0.101	+/-0.0524		pCi/g							
Niobium-95	U	0.0293	+/-0.0731	0.144	+/-0.0743		pCi/g							
Potassium-40		6.97	+/-1.74	1.09	+/-1.85		pCi/g							
Promethium-144	U	-0.00423	+/-0.0446	0.0829	+/-0.0446		pCi/g							
Promethium-146	U	0.00811	+/-0.0496	0.0979	+/-0.0497		pCi/g							
Radium-226		1.21	+/-0.240	0.140	+/-0.263		pCi/g							
Radium-228	UI	0.000	+/-0.332	0.657	+/-0.495		pCi/g							

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Certificate of Analysis

Company : MJW Technical Services
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Amherst, New York 14228

Report Date: August 12, 2025

Contact: Alex Bartels
Project: Routine Analytical

Client Sample ID: LA - TP14 - 1125
Sample ID: 733378003

Project: MJWC01325
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis														
Gammaspec, Gamma, Solid (Standard List) "Dry Weight Corrected"														
Ruthenium-106	U	-0.0672	+/-0.411	0.764	+/-0.412		pCi/g							
Silver-110m	U	0.0262	+/-0.0584	0.130	+/-0.0597		pCi/g							
Sodium-22	U	-0.0624	+/-0.0562	0.0831	+/-0.0630		pCi/g							
Thallium-208		0.316	+/-0.113	0.0778	+/-0.117		pCi/g							
Thorium-234	U	1.05	+/-1.35	1.06	+/-1.37		pCi/g							
Tin-113	U	-0.0156	+/-0.0620	0.116	+/-0.0624		pCi/g							
Uranium-235	U	0.0556	+/-0.267	0.346	+/-0.267		pCi/g							
Uranium-238	U	1.05	+/-1.35	1.06	+/-1.37		pCi/g							
Yttrium-88	U	-0.0197	+/-0.0628	0.127	+/-0.0635		pCi/g							
Zinc-65	U	0.0434	+/-0.121	0.234	+/-0.123		pCi/g							
Zirconium-95	U	0.0256	+/-0.108	0.215	+/-0.109		pCi/g							

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	GG	07/22/25	1407	2831053

The following Analytical Methods were performed

Method	Description
1	DOE HASL 300, 4.5.2.3/Ga-01-R

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Company : MJW Technical Services
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Suite 112
Amherst, New York 14228

Report Date: August 12, 2025

Contact: Alex Bartels
Project: Routine Analytical

Client Sample ID: LA - LC71125
Sample ID: 733378004
Matrix: Soil
Collect Date: 11-JUL-25
Receive Date: 16-JUL-25
Collector: Client
Moisture: 9.39%

Project: MJWC01325
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis														
Gammaspec, Gamma, Solid (Standard List) "Dry Weight Corrected"														
Actinium-228		1.15	+/-0.409	0.284	+/-0.434		pCi/g			RXF2	08/12/25	0717	2831784	1
Americium-241	U	0.256	+/-0.232	0.446	+/-0.261		pCi/g							
Antimony-124	U	-0.0293	+/-0.107	0.222	+/-0.108		pCi/g							
Antimony-125	U	0.0548	+/-0.113	0.225	+/-0.116		pCi/g							
Barium-133	U	0.0380	+/-0.0531	0.0996	+/-0.0559		pCi/g							
Barium-140	UI	0.000	+/-1.71	1.58	+/-1.72		pCi/g							
Beryllium-7	U	-0.0369	+/-0.452	0.847	+/-0.453		pCi/g							
Bismuth-212	U	0.483	+/-0.784	1.31	+/-0.785		pCi/g							
Bismuth-214		0.991	+/-0.245	0.175	+/-0.258		pCi/g							
Cerium-139	U	-0.0230	+/-0.0422	0.0643	+/-0.0437		pCi/g							
Cerium-141	U	0.104	+/-0.119	0.185	+/-0.119		pCi/g							
Cerium-144	U	0.0572	+/-0.246	0.449	+/-0.248		pCi/g							
Cesium-134	U	0.0180	+/-0.0527	0.108	+/-0.0534		pCi/g							
Cesium-136	U	-0.00750	+/-0.402	0.514	+/-0.402		pCi/g							
Cesium-137	U	-0.0179	+/-0.0507	0.0906	+/-0.0514	0.100	pCi/g							
Chromium-51	U	0.490	+/-0.645	1.32	+/-0.684		pCi/g							
Cobalt-56	U	-0.0132	+/-0.0486	0.0890	+/-0.0490		pCi/g							
Cobalt-57	U	-0.000109	+/-0.0313	0.0562	+/-0.0313		pCi/g							
Cobalt-58	U	-0.0573	+/-0.0549	0.0700	+/-0.0610		pCi/g							
Cobalt-60	U	-0.000548	+/-0.0576	0.111	+/-0.0576		pCi/g							
Europium-152	U	0.0254	+/-0.104	0.204	+/-0.104		pCi/g							
Europium-154	U	0.0105	+/-0.173	0.335	+/-0.173		pCi/g							
Europium-155	U	0.0835	+/-0.122	0.233	+/-0.128		pCi/g							
Iridium-192	U	-0.0157	+/-0.0505	0.0928	+/-0.0510		pCi/g							
Iron-59	U	0.0971	+/-0.127	0.288	+/-0.135		pCi/g							
Lead-210	U	3.89	+/-8.10	15.6	+/-8.29		pCi/g							
Lead-212		0.984	+/-0.144	0.128	+/-0.170		pCi/g							
Lead-214		1.24	+/-0.213	0.167	+/-0.241		pCi/g							
Manganese-54	U	-0.0147	+/-0.0455	0.0855	+/-0.0460		pCi/g							
Mercury-203	U	0.0145	+/-0.0746	0.113	+/-0.0750		pCi/g							
Neodymium-147	U	0.474	+/-2.06	3.63	+/-2.07		pCi/g							
Neptunium-239	U	-0.198	+/-0.326	0.557	+/-0.339		pCi/g							
Niobium-94	U	-0.0247	+/-0.0444	0.0741	+/-0.0458		pCi/g							
Niobium-95	U	0.0298	+/-0.0579	0.119	+/-0.0596		pCi/g							
Potassium-40		9.52	+/-1.77	1.03	+/-2.08		pCi/g							
Promethium-144	U	-0.00617	+/-0.0472	0.0847	+/-0.0473		pCi/g							
Promethium-146	U	-0.0131	+/-0.0550	0.0999	+/-0.0553		pCi/g							
Radium-226		1.24	+/-0.213	0.167	+/-0.241		pCi/g							
Radium-228		1.15	+/-0.409	0.284	+/-0.434		pCi/g							

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Certificate of Analysis

Company : MJW Technical Services
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Amherst, New York 14228

Report Date: August 12, 2025

Contact: Alex Bartels
Project: Routine Analytical

Client Sample ID: LA - LC71125
Sample ID: 733378004

Project: MJWC01325
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis														
Gammaspec, Gamma, Solid (Standard List) "Dry Weight Corrected"														
Ruthenium-106	U	0.199	+/-0.409	0.812	+/-0.419		pCi/g							
Silver-110m	U	-0.0265	+/-0.0666	0.106	+/-0.0677		pCi/g							
Sodium-22	U	0.00496	+/-0.0618	0.120	+/-0.0618		pCi/g							
Thallium-208		0.362	+/-0.0957	0.0772	+/-0.100		pCi/g							
Thorium-234	U	0.0969	+/-3.35	3.02	+/-3.35		pCi/g							
Tin-113	U	0.0155	+/-0.0550	0.108	+/-0.0555		pCi/g							
Uranium-235	U	0.233	+/-0.367	0.411	+/-0.367		pCi/g							
Uranium-238	U	0.0969	+/-3.35	3.02	+/-3.35		pCi/g							
Yttrium-88	U	0.0112	+/-0.0551	0.124	+/-0.0554		pCi/g							
Zinc-65	U	0.0224	+/-0.125	0.223	+/-0.125		pCi/g							
Zirconium-95	U	-0.00972	+/-0.100	0.184	+/-0.101		pCi/g							

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	GG	07/22/25	1407	2831053

The following Analytical Methods were performed

Method	Description
1	DOE HASL 300, 4.5.2.3/Ga-01-R

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Quality Control Data

QC Summary

Client : **MJW Technical Services**
15 Hazelwood Drive
Suite 112
Amherst, New York

Contact: **Alex Bartels**

Workorder: **733378**

Report Date: August 12, 2025

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2831784										
QC1206172841 733378001 DUP										
Actinium-228		1.26		1.34	pCi/g	6.3		(0%-20%)	RXF2	08/12/2509:46
	Uncert:	+/-0.387		+/-0.421						
	TPU:	+/-0.418		+/-0.451						
Americium-241	U	-0.180	U	-0.0489	pCi/g	0		N/A		
	Uncert:	+/-0.229		+/-0.241						
	TPU:	+/-0.244		+/-0.242						
Antimony-124	U	-0.0914	U	0.0582	pCi/g	0		N/A		
	Uncert:	+/-0.121		+/-0.101						
	TPU:	+/-0.128		+/-0.105						
Antimony-125	U	-0.0794	U	0.0255	pCi/g	0		N/A		
	Uncert:	+/-0.113		+/-0.0863						
	TPU:	+/-0.119		+/-0.0871						
Barium-133	U	0.00311	U	-0.00671	pCi/g	0		N/A		
	Uncert:	+/-0.0472		+/-0.0374						
	TPU:	+/-0.0472		+/-0.0375						
Barium-140	U	0.587	U	0.215	pCi/g	0		N/A		
	Uncert:	+/-0.811		+/-0.655						
	TPU:	+/-0.855		+/-0.663						
Beryllium-7	U	0.286	U	0.0872	pCi/g	0		N/A		
	Uncert:	+/-0.478		+/-0.398						
	TPU:	+/-0.495		+/-0.400						
Bismuth-212	U	1.09		1.12	pCi/g	32.7		(0% - 100%)		
	Uncert:	+/-0.732		+/-1.11						
	TPU:	+/-0.887		+/-1.12						
Bismuth-214		1.21		1.12	pCi/g	7.48		(0%-20%)		
	Uncert:	+/-0.287		+/-0.222						
	TPU:	+/-0.304		+/-0.241						
Cerium-139	U	-0.0211	U	0.0132	pCi/g	0		N/A		
	Uncert:	+/-0.0421		+/-0.0321						
	TPU:	+/-0.0434		+/-0.0328						
Cerium-141	U	0.0224	U	0.0569	pCi/g	0		N/A		
	Uncert:	+/-0.203		+/-0.0995						
	TPU:	+/-0.203		+/-0.103						
Cerium-144	U	-0.120	U	-0.0478	pCi/g	0		N/A		
	Uncert:	+/-0.274		+/-0.215						
	TPU:	+/-0.279		+/-0.216						
Cesium-134	UI	0.000	U	0.0503	pCi/g	0		N/A		
	Uncert:	+/-0.113		+/-0.0567						
	TPU:	+/-0.130		+/-0.0613						
Cesium-136	U	0.0995	U	-0.123	pCi/g	0		N/A		
	Uncert:	+/-0.307		+/-0.270						

QC Summary

Workorder: **733378**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2831784										
	TPU:	+/-0.310		+/-0.276						
Cesium-137	U	0.0313	U	0.00360	pCi/g	0			N/A	
	Uncert:	+/-0.0477		+/-0.0392						
	TPU:	+/-0.0498		+/-0.0392						
Chromium-51	U	-0.0592	U	-0.0287	pCi/g	0			N/A	
	Uncert:	+/-0.632		+/-0.667						
	TPU:	+/-0.633		+/-0.667						
Cobalt-56	U	-0.0378	U	0.00569	pCi/g	0			N/A	
	Uncert:	+/-0.0500		+/-0.0472						
	TPU:	+/-0.0530		+/-0.0473						
Cobalt-57	U	0.00743	U	0.00347	pCi/g	0			N/A	
	Uncert:	+/-0.0322		+/-0.0253						
	TPU:	+/-0.0324		+/-0.0253						
Cobalt-58	U	-0.00202	U	0.0298	pCi/g	0			N/A	
	Uncert:	+/-0.0618		+/-0.0465						
	TPU:	+/-0.0618		+/-0.0485						
Cobalt-60	U	0.00207	U	-0.0492	pCi/g	0			N/A	
	Uncert:	+/-0.0574		+/-0.0444						
	TPU:	+/-0.0574		+/-0.0499						
Europium-152	U	0.0291	U	0.0383	pCi/g	0			N/A	
	Uncert:	+/-0.132		+/-0.0919						
	TPU:	+/-0.133		+/-0.0936						
Europium-154	U	-0.123	U	0.0580	pCi/g	0			N/A	
	Uncert:	+/-0.143		+/-0.122						
	TPU:	+/-0.154		+/-0.125						
Europium-155	U	0.142	U	0.131	pCi/g	0			N/A	
	Uncert:	+/-0.172		+/-0.114						
	TPU:	+/-0.172		+/-0.129						
Iridium-192	U	-0.00296	U	-0.00480	pCi/g	0			N/A	
	Uncert:	+/-0.0472		+/-0.0461						
	TPU:	+/-0.0472		+/-0.0461						
Iron-59	U	-0.0140	U	0.0566	pCi/g	0			N/A	
	Uncert:	+/-0.135		+/-0.121						
	TPU:	+/-0.136		+/-0.124						
Lead-210	U	-2.09	U	2.19	pCi/g	0			N/A	
	Uncert:	+/-7.89		+/-8.99						
	TPU:	+/-7.95		+/-9.04						
Lead-212		1.50		1.33	pCi/g	11.5		(0%-20%)		
	Uncert:	+/-0.164		+/-0.150						
	TPU:	+/-0.215		+/-0.188						
Lead-214		1.61		1.65	pCi/g	2.64		(0%-20%)		
	Uncert:	+/-0.242		+/-0.251						
	TPU:	+/-0.282		+/-0.287						
Manganese-54	U	-0.0168	U	0.0269	pCi/g	0			N/A	
	Uncert:	+/-0.0460		+/-0.0435						
	TPU:	+/-0.0467		+/-0.0452						

QC Summary

Workorder: **733378**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2831784										
Mercury-203	U	0.0308	U	0.0173	pCi/g	0			N/A	
	Uncert:	+/-0.0617		+/-0.0704						
	TPU:	+/-0.0633		+/-0.0710						
Neodymium-147	U	1.30	U	-0.466	pCi/g	0			N/A	
	Uncert:	+/-2.37		+/-1.62						
	TPU:	+/-2.45		+/-1.63						
Neptunium-239	U	-0.00535	U	0.0780	pCi/g	0			N/A	
	Uncert:	+/-0.310		+/-0.307						
	TPU:	+/-0.310		+/-0.309						
Niobium-94	U	-0.0326	U	0.0173	pCi/g	0			N/A	
	Uncert:	+/-0.0509		+/-0.0359						
	TPU:	+/-0.0530		+/-0.0368						
Niobium-95	U	-0.0728	U	0.0165	pCi/g	0			N/A	
	Uncert:	+/-0.0727		+/-0.0456						
	TPU:	+/-0.0801		+/-0.0462						
Potassium-40		10.8		12.8	pCi/g	16.9		(0%-20%)		
	Uncert:	+/-1.88		+/-1.59						
	TPU:	+/-2.26		+/-2.12						
Promethium-144	U	-0.0275	U	-0.00313	pCi/g	0			N/A	
	Uncert:	+/-0.0495		+/-0.0366						
	TPU:	+/-0.0511		+/-0.0366						
Promethium-146	U	0.00464	U	0.0474	pCi/g	0			N/A	
	Uncert:	+/-0.0504		+/-0.0409						
	TPU:	+/-0.0504		+/-0.0464						
Radium-226		1.61		1.65	pCi/g	2.64		(0%-20%)		
	Uncert:	+/-0.242		+/-0.251						
	TPU:	+/-0.282		+/-0.287						
Radium-228		1.26		1.34	pCi/g	6.3		(0%-20%)		
	Uncert:	+/-0.387		+/-0.421						
	TPU:	+/-0.418		+/-0.451						
Ruthenium-106	U	0.136	U	0.0549	pCi/g	0			N/A	
	Uncert:	+/-0.377		+/-0.300						
	TPU:	+/-0.382		+/-0.301						
Silver-110m	U	-0.00314	U	0.0113	pCi/g	0			N/A	
	Uncert:	+/-0.0556		+/-0.0557						
	TPU:	+/-0.0556		+/-0.0559						
Sodium-22	U	-0.0438	U	0.0217	pCi/g	0			N/A	
	Uncert:	+/-0.0508		+/-0.0438						
	TPU:	+/-0.0547		+/-0.0449						
Thallium-208		0.391		0.440	pCi/g	11.9		(0%-20%)		
	Uncert:	+/-0.112		+/-0.105						
	TPU:	+/-0.117		+/-0.111						
Thorium-234	UI	0.000	U	0.483	pCi/g	0			N/A	
	Uncert:	+/-4.55		+/-2.00						
	TPU:	+/-4.75		+/-2.02						
Tin-113	U	-0.00656	U	-0.00633	pCi/g	0			N/A	

QC Summary

Workorder: **733378**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2831784										
	Uncert:	+/-0.0664		+/-0.0512						
	TPU:	+/-0.0664		+/-0.0513						
Uranium-235	U	0.256	U	-0.247	pCi/g	0			N/A	
	Uncert:	+/-0.428		+/-0.222						
	TPU:	+/-0.428		+/-0.223						
Uranium-238	UI	0.000	U	0.483	pCi/g	0			N/A	
	Uncert:	+/-4.55		+/-2.00						
	TPU:	+/-4.75		+/-2.02						
Yttrium-88	U	-0.0334	U	-0.00653	pCi/g	0			N/A	
	Uncert:	+/-0.0423		+/-0.0445						
	TPU:	+/-0.0450		+/-0.0446						
Zinc-65	U	-0.000279	U	-0.0708	pCi/g	0			N/A	
	Uncert:	+/-0.136		+/-0.116						
	TPU:	+/-0.136		+/-0.121						
Zirconium-95	U	-0.0170	U	0.00675	pCi/g	0			N/A	
	Uncert:	+/-0.113		+/-0.103						
	TPU:	+/-0.113		+/-0.103						
QC1206172842 LCS										
Actinium-228			U	-0.577	pCi/g				RXF2	08/12/2507:21
	Uncert:			+/-1.63						
	TPU:			+/-1.66						
Americium-241	482			578	pCi/g		120	(75%-125%)		
	Uncert:			+/-19.7						
	TPU:			+/-85.1						
Antimony-124			U	0.0803	pCi/g					
	Uncert:			+/-0.375						
	TPU:			+/-0.377						
Antimony-125			U	-0.839	pCi/g					
	Uncert:			+/-1.23						
	TPU:			+/-1.29						
Barium-133			U	0.0275	pCi/g					
	Uncert:			+/-0.473						
	TPU:			+/-0.473						
Barium-140			U	1.27	pCi/g					
	Uncert:			+/-3.92						
	TPU:			+/-3.96						
Beryllium-7			U	3.80	pCi/g					
	Uncert:			+/-4.94						
	TPU:			+/-5.24						
Bismuth-212			U	-2.35	pCi/g					
	Uncert:			+/-4.61						
	TPU:			+/-4.74						
Bismuth-214			U	0.252	pCi/g					
	Uncert:			+/-0.669						
	TPU:			+/-0.678						
Cerium-139			U	0.0879	pCi/g					

QC Summary

Workorder: **733378**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2831784										
	Uncert:			+/-0.291						
	TPU:			+/-0.294						
Cerium-141			U	0.749	pCi/g					
	Uncert:			+/-0.652						
	TPU:			+/-0.737						
Cerium-144			U	1.23	pCi/g					
	Uncert:			+/-1.96						
	TPU:			+/-2.04						
Cesium-134			U	-0.0825	pCi/g					
	Uncert:			+/-0.358						
	TPU:			+/-0.360						
Cesium-136			U	0.120	pCi/g					
	Uncert:			+/-1.59						
	TPU:			+/-1.59						
Cesium-137	146			132	pCi/g		90.3	(75%-125%)		
	Uncert:			+/-2.76						
	TPU:			+/-11.3						
Chromium-51			U	-0.392	pCi/g					
	Uncert:			+/-4.51						
	TPU:			+/-4.51						
Cobalt-56			U	-0.134	pCi/g					
	Uncert:			+/-0.399						
	TPU:			+/-0.403						
Cobalt-57			U	0.0302	pCi/g					
	Uncert:			+/-0.273						
	TPU:			+/-0.273						
Cobalt-58			U	-0.0864	pCi/g					
	Uncert:			+/-0.379						
	TPU:			+/-0.381						
Cobalt-60	50.4			47.6	pCi/g		94.4	(75%-125%)		
	Uncert:			+/-2.13						
	TPU:			+/-6.57						
Europium-152			U	0.756	pCi/g					
	Uncert:			+/-1.14						
	TPU:			+/-1.19						
Europium-154			U	0.155	pCi/g					
	Uncert:			+/-0.576						
	TPU:			+/-0.581						
Europium-155			U	-0.346	pCi/g					
	Uncert:			+/-1.03						
	TPU:			+/-1.04						
Iridium-192			U	0.0935	pCi/g					
	Uncert:			+/-0.415						
	TPU:			+/-0.417						
Iron-59			U	1.30	pCi/g					
	Uncert:			+/-1.40						

QC Summary

Workorder: **733378**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2831784										
	TPU:			+/-1.53						
Lead-210				4560	pCi/g					
	Uncert:			+/-730						
	TPU:			+/-1030						
Lead-212			U	-0.359	pCi/g					
	Uncert:			+/-0.604						
	TPU:			+/-0.627						
Lead-214			U	0.0646	pCi/g					
	Uncert:			+/-0.804						
	TPU:			+/-0.805						
Manganese-54			U	-0.284	pCi/g					
	Uncert:			+/-0.363						
	TPU:			+/-0.386						
Mercury-203			U	0.166	pCi/g					
	Uncert:			+/-0.422						
	TPU:			+/-0.429						
Neodymium-147			U	2.91	pCi/g					
	Uncert:			+/-8.90						
	TPU:			+/-9.00						
Neptunium-239			U	-0.429	pCi/g					
	Uncert:			+/-2.65						
	TPU:			+/-2.65						
Niobium-94			U	0.142	pCi/g					
	Uncert:			+/-0.292						
	TPU:			+/-0.299						
Niobium-95			U	0.132	pCi/g					
	Uncert:			+/-0.376						
	TPU:			+/-0.381						
Potassium-40			U	-0.449	pCi/g					
	Uncert:			+/-1.43						
	TPU:			+/-1.45						
Promethium-144			U	-0.0264	pCi/g					
	Uncert:			+/-0.275						
	TPU:			+/-0.276						
Promethium-146			U	0.0182	pCi/g					
	Uncert:			+/-0.629						
	TPU:			+/-0.629						
Radium-226			U	0.0646	pCi/g					
	Uncert:			+/-0.804						
	TPU:			+/-0.805						
Radium-228			U	-0.577	pCi/g					
	Uncert:			+/-1.63						
	TPU:			+/-1.66						
Ruthenium-106			U	1.55	pCi/g					
	Uncert:			+/-3.47						
	TPU:			+/-3.54						

QC Summary

Workorder: **733378**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2831784										
Silver-110m			U	0.384	pCi/g					
	Uncert:			+/-0.536						
	TPU:			+/-0.566						
Sodium-22			U	0.0640	pCi/g					
	Uncert:			+/-0.206						
	TPU:			+/-0.208						
Thallium-208			U	-0.187	pCi/g					
	Uncert:			+/-0.343						
	TPU:			+/-0.353						
Thorium-234			U	-7.24	pCi/g					
	Uncert:			+/-25.7						
	TPU:			+/-25.9						
Tin-113			U	0.540	pCi/g					
	Uncert:			+/-0.551						
	TPU:			+/-0.604						
Uranium-235			U	-0.819	pCi/g					
	Uncert:			+/-1.84						
	TPU:			+/-1.88						
Uranium-238			U	-7.24	pCi/g					
	Uncert:			+/-25.7						
	TPU:			+/-25.9						
Yttrium-88			U	0.0356	pCi/g					
	Uncert:			+/-0.145						
	TPU:			+/-0.146						
Zinc-65			U	-0.507	pCi/g					
	Uncert:			+/-0.943						
	TPU:			+/-0.972						
Zirconium-95			U	-0.264	pCi/g					
	Uncert:			+/-0.637						
	TPU:			+/-0.648						
QC1206172840 MB										
Actinium-228			U	-0.0245	pCi/g				RXF2	08/12/2507:20
	Uncert:			+/-0.127						
	TPU:			+/-0.127						
Americium-241			U	0.0292	pCi/g					
	Uncert:			+/-0.0850						
	TPU:			+/-0.0860						
Antimony-124			U	0.0163	pCi/g					
	Uncert:			+/-0.0829						
	TPU:			+/-0.0833						
Antimony-125			U	0.0222	pCi/g					
	Uncert:			+/-0.0693						
	TPU:			+/-0.0701						
Barium-133			U	-0.0203	pCi/g					
	Uncert:			+/-0.0257						
	TPU:			+/-0.0274						

QC Summary

Workorder: **733378**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2831784										
Barium-140			U	-0.0127	pCi/g					
	Uncert:			+/-0.257						
	TPU:			+/-0.257						
Beryllium-7			U	0.0904	pCi/g					
	Uncert:			+/-0.230						
	TPU:			+/-0.234						
Bismuth-212			U	0.287	pCi/g					
	Uncert:			+/-0.331						
	TPU:			+/-0.356						
Bismuth-214			U	0.0117	pCi/g					
	Uncert:			+/-0.0634						
	TPU:			+/-0.0636						
Cerium-139			U	0.00525	pCi/g					
	Uncert:			+/-0.0192						
	TPU:			+/-0.0194						
Cerium-141			U	0.0309	pCi/g					
	Uncert:			+/-0.0540						
	TPU:			+/-0.0540						
Cerium-144			U	-0.0583	pCi/g					
	Uncert:			+/-0.105						
	TPU:			+/-0.108						
Cesium-134			U	-0.00990	pCi/g					
	Uncert:			+/-0.0254						
	TPU:			+/-0.0258						
Cesium-136			U	0.0351	pCi/g					
	Uncert:			+/-0.112						
	TPU:			+/-0.113						
Cesium-137			U	-0.0212	pCi/g					
	Uncert:			+/-0.0272						
	TPU:			+/-0.0289						
Chromium-51			U	-0.104	pCi/g					
	Uncert:			+/-0.258						
	TPU:			+/-0.263						
Cobalt-56			U	-0.00962	pCi/g					
	Uncert:			+/-0.0332						
	TPU:			+/-0.0335						
Cobalt-57			U	0.00899	pCi/g					
	Uncert:			+/-0.0151						
	TPU:			+/-0.0157						
Cobalt-58			U	-0.0161	pCi/g					
	Uncert:			+/-0.0276						
	TPU:			+/-0.0286						
Cobalt-60			U	-0.00140	pCi/g					
	Uncert:			+/-0.0257						
	TPU:			+/-0.0257						
Europium-152			U	0.0201	pCi/g					

QC Summary

Workorder: **733378**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2831784										
	Uncert:			+/-0.0599						
	TPU:			+/-0.0606						
Europium-154			U	0.0316	pCi/g					
	Uncert:			+/-0.0678						
	TPU:			+/-0.0694						
Europium-155			U	0.0305	pCi/g					
	Uncert:			+/-0.120						
	TPU:			+/-0.121						
Iridium-192			U	-0.00934	pCi/g					
	Uncert:			+/-0.0248						
	TPU:			+/-0.0252						
Iron-59			U	0.00196	pCi/g					
	Uncert:			+/-0.0623						
	TPU:			+/-0.0624						
Lead-210			U	-0.288	pCi/g					
	Uncert:			+/-3.05						
	TPU:			+/-3.05						
Lead-212			U	0.0240	pCi/g					
	Uncert:			+/-0.0643						
	TPU:			+/-0.0653						
Lead-214			U	0.0146	pCi/g					
	Uncert:			+/-0.0498						
	TPU:			+/-0.0503						
Manganese-54			U	-0.00181	pCi/g					
	Uncert:			+/-0.0210						
	TPU:			+/-0.0210						
Mercury-203			U	-0.00894	pCi/g					
	Uncert:			+/-0.0241						
	TPU:			+/-0.0244						
Neodymium-147			U	-0.155	pCi/g					
	Uncert:			+/-0.589						
	TPU:			+/-0.593						
Neptunium-239			U	-0.0126	pCi/g					
	Uncert:			+/-0.131						
	TPU:			+/-0.131						
Niobium-94			U	0.0146	pCi/g					
	Uncert:			+/-0.0250						
	TPU:			+/-0.0259						
Niobium-95			U	-0.00472	pCi/g					
	Uncert:			+/-0.0270						
	TPU:			+/-0.0271						
Potassium-40			U	-0.163	pCi/g					
	Uncert:			+/-0.347						
	TPU:			+/-0.356						
Promethium-144			U	0.00781	pCi/g					
	Uncert:			+/-0.0239						

QC Summary

Workorder: **733378**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2831784										
	TPU:			+/-0.0242						
Promethium-146			U	0.000209	pCi/g					
	Uncert:			+/-0.0280						
	TPU:			+/-0.0280						
Radium-226			U	0.0146	pCi/g					
	Uncert:			+/-0.0498						
	TPU:			+/-0.0503						
Radium-228			U	-0.0245	pCi/g					
	Uncert:			+/-0.127						
	TPU:			+/-0.127						
Ruthenium-106			U	0.0623	pCi/g					
	Uncert:			+/-0.208						
	TPU:			+/-0.210						
Silver-110m			U	0.0131	pCi/g					
	Uncert:			+/-0.0331						
	TPU:			+/-0.0336						
Sodium-22			U	0.00997	pCi/g					
	Uncert:			+/-0.0234						
	TPU:			+/-0.0239						
Thallium-208			U	-0.0140	pCi/g					
	Uncert:			+/-0.0260						
	TPU:			+/-0.0267						
Thorium-234			U	1.35	pCi/g					
	Uncert:			+/-1.70						
	TPU:			+/-1.83						
Tin-113			U	-0.00676	pCi/g					
	Uncert:			+/-0.0330						
	TPU:			+/-0.0332						
Uranium-235			U	0.108	pCi/g					
	Uncert:			+/-0.149						
	TPU:			+/-0.149						
Uranium-238			U	1.35	pCi/g					
	Uncert:			+/-1.70						
	TPU:			+/-1.83						
Yttrium-88			U	-0.000234	pCi/g					
	Uncert:			+/-0.0346						
	TPU:			+/-0.0346						
Zinc-65			U	-0.0231	pCi/g					
	Uncert:			+/-0.0441						
	TPU:			+/-0.0454						
Zirconium-95			U	0.0360	pCi/g					
	Uncert:			+/-0.0450						
	TPU:			+/-0.0480						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

QC Summary

Workorder: **733378**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the Lc.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
M	REMP Result > MDC/CL and < RDL
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Gamma Spectroscopy
Raw Data

Batch 2831784 Check-list

This check-list was completed on 12-AUG-25 by Tim Winters

This batch was reviewed by Spencer Collins on 12-AUG-25 and Tim Winters on 12-AUG-25.

Batch ID: 2831784 **Product:** GSCGAMMS **Description:** Gamma Spec Solid RAD A-013

#	Criteria	Yes	No	Comments
Preparation Information				
1	Did any sample(s) require dilution?		No	
2	Were all of the samples homogenous? Include sample description if not homogenous	Yes		
3	Was the preservation correct for this analysis?	Yes		
Internal Checklist Information				
4	Are instrument source checks within limits?	Yes		
5	Have sample historical results been reviewed for this batch?	Yes		
Technical Information				
6	Were any additional radionuclides added that were not requested by the client?		No	
7	Were all the samples prepared/analyzed within the required holding time period?	Yes		
Quality Control (QC) Information				
8	Was the method blank (MB) within the acceptance criteria?	Yes		
9	Were the laboratory control sample (LCS/LCSD) recoveries within the acceptance limits?	Yes		
10	Were the relative percent differences and/or error (RPD/RER) between the sample and its duplicate within acceptable limits?	Yes		
11	Has the method required detection limit been met?	Yes		
Miscellaneous Information				
12	Are sample-specific MDA/MDC calculated and reported?	Yes		

Prep Logbook

Gamma Spectroscopy

Batch ID: **2831784**
Analyst: Rebekah Futch (RXF2)
Method: DOE HASL 300, 4.5.2.3/Ga-01-R
Lab SOP: GL-RAD-A-013 REV# 29
Instrument: No instrument-manual method

Due Dates for Lab: 11-AUG-2025 **Hold: 22-JUL-2025** **Package: 12-AUG-2025** **SDG: 13-AU**

Type	Sample Id	Description	Serial Number	Spike Amount	Spike Units
LCS	1206172842	84680-278	1556	1	mL

#	Sample ID	Prep Date	Min RDL (pCi/g)	Dry or Wet	Unadjusted Aliquot (g)	Aliquot (g)	Adjusted Aliquot (g)
1	733378001	23-JUL-2025	.1	Dry to Dry	115.57	115.57	115.57
2	733378002	23-JUL-2025	.1	Dry to Dry	112.65	112.65	112.65
3	733378003	23-JUL-2025	.1	Dry to Dry	112.61	112.61	112.61
4	733378004	23-JUL-2025	.1	Dry to Dry	108.67	108.67	108.67
5	1206172840 MB	23-JUL-2025	.1	Dry to Wet	115.57	115.57	115.57
6	1206172841 DUP (733378001)	23-JUL-2025	.1	Dry to Dry	115.57	115.57	115.57
7	1206172842 LCS	23-JUL-2025	.1	Dry to Wet	115	115	115

Reagent/Solvent Lot ID	Description	Amount

Comments:

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 06:58:49.63

****

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

****

Configuration : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378001.CNF;1
Background file : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM02.CNF;701

		Background date	: 10-AUG-2025 10:28:24
Sample date	: 10-JUL-2025 08:00:00	Acquisition date	: 12-AUG-2025 05:58:17
Sample ID	: G733378001	Sample quantity	: 1.15570E+02 GRAM
Detector name	: GAM02	Detector geometry	: CAN
Elapsed live time	: 0 01:00:00.00	Elapsed real time	: 0 01:00:00.85 0.0%
Energy tolerance	: 1.50000 keV	Analyst Initials	: RXF2
Abundance limit	: 75.00000	Sensitivity	: 3.00000
Batch ID	: 2831784	Detector SN#	:
Matrix Spike ID	:	LCS ID	:

****

BACKGROUND CORRECTED SAMPLE PEAK REPORT

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	63.46*	72	182	1.01	127.68	122	12	2.00E-02	40.6	
2	0	74.55*	65	225	0.91	149.89	148	6	1.79E-02	39.6	
3	0	77.24	191	122	0.94	155.27	153	6	5.31E-02	11.9	
4	6	84.44*	65	136	1.72	169.67	166	13	1.81E-02	34.5	5.96E-01
5	6	87.39	98	115	1.12	175.57	166	13	2.71E-02	21.1	
6	3	90.02	62	63	0.92	180.85	179	15	1.72E-02	21.8	1.73E+00
7	3	92.83*	110	118	1.31	186.45	179	15	3.06E-02	22.7	
8	0	105.68	26	91	1.21	212.18	210	6	7.21E-03	61.7	
9	0	129.77	50	144	1.49	260.39	256	10	1.40E-02	46.5	
10	0	144.10*	25	127	1.19	289.05	285	9	7.05E-03	85.1	
11	0	176.60	40	79	1.10	354.09	351	7	1.10E-02	40.7	
12	0	185.89*	84	138	0.90	372.67	367	12	2.33E-02	32.1	
13	0	209.44	49	97	1.18	419.80	416	8	1.37E-02	37.2	
14	2	238.86*	456	74	1.07	478.66	474	16	1.27E-01	5.6	2.02E+00
15	2	241.79	120	102	1.50	484.52	474	16	3.32E-02	19.5	
16	0	245.12	21	44	1.31	491.19	489	6	5.72E-03	55.4	
17	0	270.82	55	67	2.35	542.59	538	10	1.54E-02	30.8	
18	0	275.12	19	58	1.38	551.21	548	7	5.22E-03	70.4	
19	0	281.02	47	137	7.61	563.02	554	19	1.30E-02	61.8	
20	0	295.51*	192	63	1.08	592.01	587	10	5.32E-02	10.8	
21	0	300.66*	19	53	0.77	602.30	598	8	5.22E-03	72.8	
22	0	304.67	15	56	3.52	610.33	606	8	4.17E-03	90.2	
23	0	328.05	27	58	1.59	657.11	651	10	7.59E-03	55.3	
24	0	338.85	86	72	1.08	678.71	674	11	2.39E-02	21.9	
25	0	352.14*	307	55	1.18	705.30	699	13	8.54E-02	7.7	
26	0	414.72	54	120	8.46	830.50	818	28	1.49E-02	59.2	
27	0	463.79	41	48	0.78	928.65	923	12	1.13E-02	37.7	
28	0	487.85	22	39	1.26	976.79	971	11	5.97E-03	59.9	
29	0	511.41*	22	53	1.84	1023.92	1016	15	6.02E-03	89.1	
30	0	583.80*	123	39	1.46	1168.71	1163	14	3.43E-02	14.6	
31	0	609.93*	197	68	1.59	1220.98	1213	17	5.46E-02	12.1	
32	0	657.80	23	7	2.41	1316.73	1311	10	6.29E-03	30.8	
33	0	729.07	18	32	1.55	1459.26	1451	12	5.06E-03	67.0	
34	0	796.99	33	28	2.93	1595.11	1587	16	9.03E-03	42.2	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
35	0	857.12	13	9	0.98	1715.36	1710	9	3.71E-03	48.6	
36	0	911.77*	82	19	1.83	1824.64	1819	11	2.29E-02	15.7	
37	0	935.26	9	10	1.00	1871.61	1866	10	2.44E-03	75.5	
38	0	949.28	11	18	0.73	1899.64	1891	12	3.06E-03	82.8	
39	1	965.27*	18	9	2.08	1931.62	1927	23	4.92E-03	40.6	8.08E-01
40	1	969.65*	39	13	2.09	1940.38	1927	23	1.07E-02	26.7	
41	0	1121.12*	40	3	2.75	2243.24	2238	10	1.11E-02	19.4	
42	0	1183.47	25	12	4.64	2367.88	2360	16	6.89E-03	37.2	
43	0	1194.25	13	19	3.00	2389.44	2380	13	3.56E-03	76.2	
44	0	1218.46	13	7	1.41	2437.83	2433	9	3.66E-03	45.0	
45	0	1253.24	9	10	2.40	2507.37	2499	11	2.50E-03	78.0	
46	0	1318.64	9	7	1.68	2638.10	2632	9	2.61E-03	59.4	
47	0	1378.82	23	9	1.84	2758.40	2752	12	6.39E-03	33.4	
48	0	1461.78*	193	15	2.29	2924.22	2918	17	5.37E-02	8.9	
49	0	1621.78	8	0	0.58	3244.00	3240	8	2.22E-03	35.4	
50	0	1730.69	11	0	1.44	3461.64	3456	10	3.06E-03	30.2	
51	0	1765.74*	44	0	2.08	3531.69	3525	14	1.22E-02	16.4	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 12-AUG-2025 06:58:51

Configuration : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378001.CNF;1
Analyses by : PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4,INTERF V2.4
Sample title : RXF2
Sample date : 10-JUL-2025 08:00:00 Acquisition date : 12-AUG-2025 05:58:17
Sample ID : G733378001 Sample quantity : 115.57 GRAM
Sample type : SOLID Sample geometry :
Detector name : GAMMA2 Detector geometry: CAN
Elapsed live time: 0 01:00:00.00 Elapsed real time: 0 01:00:00.85 0.0%
Energy tolerance : 1.50 keV Half life ratio : 10.00
Errors propagated: No Systematic Error : 0.00 %
Efficiency type : Empirical Efficiencies at : Peak Energy
Abundance limit : 75.00

Interference Report

Interfering		Interfered	
Nuclide	Line	Nuclide	Line
U-235	143.76	CE-141	145.44

Nuclide Type:

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error	Status
K-40	1460.82	10.66*	1.029E+00	1.081E+01	1.081E+01	17.73	OK
CD-109	88.03	3.70*	5.099E+00	3.582E+00	3.763E+00	42.24	OK
AG-110	657.50	4.50*	2.141E+00	1.494E+00	1.637E+00	61.65	OK
SN-126	64.28	9.60	2.389E+00	2.201E+00	2.201E+00	81.28	OK
	86.94	8.90	5.099E+00	1.489E+00	1.489E+00	42.24	OK
	87.57	37.00*	5.099E+00	3.582E-01	3.582E-01	42.24	OK
CE-141	145.44	48.29*	6.131E+00	1.110E-02	2.241E-02	921.87	OK
EU-155	86.55	30.70	5.099E+00	4.316E-01	4.374E-01	42.24	OK
	105.31	21.10*	6.035E+00	1.400E-01	1.418E-01	123.44	OK
TL-208	277.37	6.60	4.175E+00	----- Line	Not Found	-----	Absent
	583.19	85.00*	2.370E+00	3.910E-01	3.910E-01	29.16	OK
	860.56	12.50	1.677E+00	----- Line	Not Found	-----	Absent
BI-211	72.87	1.23	3.630E+00	----- Line	Not Found	-----	Absent
	351.06	12.92*	3.508E+00	4.427E+00	4.427E+00	15.35	OK
PB-212	74.82	10.28	3.834E+00	1.142E+00	1.142E+00	79.25	OK
	77.11	17.10	4.143E+00	1.876E+00	1.876E+00	23.71	OK
	238.63	43.60*	4.640E+00	1.495E+00	1.495E+00	11.20	OK
	300.09	3.30	3.938E+00	9.499E-01	9.499E-01	145.69	OK
BI-214	609.32	45.49*	2.284E+00	1.206E+00	1.206E+00	24.26	OK
	1120.29	14.92	1.301E+00	1.271E+00	1.271E+00	38.82	OK
	1764.49	15.30	9.114E-01	1.918E+00	1.918E+00	32.76	OK
PB-214	74.82	5.80	3.834E+00	2.024E+00	2.024E+00	79.25	OK
	77.11	9.70	4.143E+00	3.307E+00	3.307E+00	23.71	OK
	87.09	3.41	5.099E+00	3.886E+00	3.886E+00	42.24	OK
	242.00	7.25	4.601E+00	2.380E+00	2.380E+00	39.01	OK
	295.22	18.42	3.988E+00	1.716E+00	1.716E+00	21.65	OK
	351.93	35.60*	3.508E+00	1.607E+00	1.607E+00	15.35	OK
RN-222	74.82	5.80	3.834E+00	2.024E+00	2.024E+00	79.25	OK
	77.11	9.70	4.143E+00	3.307E+00	3.307E+00	23.71	OK
	87.09	3.41	5.099E+00	3.886E+00	3.886E+00	42.24	OK
	242.00	7.25	4.601E+00	2.380E+00	2.380E+00	39.01	OK
	295.22	18.42	3.988E+00	1.716E+00	1.716E+00	21.65	OK
	351.93	35.60*	3.508E+00	1.607E+00	1.607E+00	15.35	OK
RA-224	240.99	4.10*	4.601E+00	4.209E+00	4.209E+00	39.01	OK
RA-226	74.82	5.80	3.834E+00	2.024E+00	2.024E+00	79.25	OK
	77.11	9.70	4.143E+00	3.307E+00	3.307E+00	23.71	OK
	87.09	3.41	5.099E+00	3.886E+00	3.886E+00	42.24	OK
	242.00	7.25	4.601E+00	2.380E+00	2.380E+00	39.01	OK
	295.22	18.42	3.988E+00	1.716E+00	1.716E+00	21.65	OK
	351.93	35.60*	3.508E+00	1.607E+00	1.607E+00	15.35	OK
AC-228	338.32	11.27	3.609E+00	1.381E+00	1.381E+00	43.84	OK
	911.20	25.80*	1.587E+00	1.260E+00	1.260E+00	31.34	OK
	968.97	15.80	1.496E+00	1.018E+00	1.018E+00	53.45	OK
RA-228	338.32	11.27	3.609E+00	1.381E+00	1.381E+00	43.84	OK
	911.20	25.80*	1.587E+00	1.260E+00	1.260E+00	31.34	OK
	968.97	15.80	1.496E+00	1.018E+00	1.018E+00	53.45	OK
TH-228	74.82	10.28	3.834E+00	1.142E+00	1.142E+00	79.25	OK
	77.11	17.10	4.143E+00	1.876E+00	1.876E+00	23.71	OK
	238.63	43.60*	4.640E+00	1.495E+00	1.495E+00	11.20	OK

Nuclide Type:

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error	Status
	300.09	3.30	3.938E+00	9.499E-01	9.499E-01	145.69	OK
TH-229	85.43	14.70	4.856E+00	6.338E-01	6.338E-01	68.94	OK
	88.47	24.00	5.099E+00	5.522E-01	5.522E-01	42.24	OK
	193.51	4.41*	5.329E+00	----- Line Not Found		-----	Absent
	210.85	2.80	5.070E+00	2.321E+00	2.321E+00	74.48	OK
TH-230	74.82	5.80	3.834E+00	2.024E+00	2.024E+00	79.25	OK
	77.11	9.70	4.143E+00	3.307E+00	3.307E+00	23.71	OK
	87.09	3.41	5.099E+00	3.886E+00	3.886E+00	42.24	OK
	242.00	7.25	4.601E+00	2.380E+00	2.380E+00	39.01	OK
	295.22	18.42	3.988E+00	1.716E+00	1.716E+00	21.65	OK
	351.93	35.60*	3.508E+00	1.607E+00	1.607E+00	15.35	OK
PA-231	283.69	1.70	4.108E+00	----- Line Not Found		-----	Absent
	301.36	5.35*	3.938E+00	5.859E-01	5.859E-01	145.69	OK
TH-232	338.32	11.27	3.609E+00	1.381E+00	1.381E+00	43.84	OK
	911.20	25.80*	1.587E+00	1.260E+00	1.260E+00	31.34	OK
	968.97	15.80	1.496E+00	1.018E+00	1.018E+00	53.45	OK
PA-234M	63.29	3.70*	2.389E+00	5.710E+00	5.710E+00	81.28	OK
	92.59	4.23	5.475E+00	3.287E+00	3.287E+00	45.32	OK
TH-234	63.29	3.70*	2.389E+00	5.710E+00	5.710E+00	81.28	OK
	92.59	4.23	5.475E+00	3.287E+00	3.287E+00	45.32	OK
U-234	74.82	5.80	3.834E+00	2.024E+00	2.024E+00	79.25	OK
	77.11	9.70	4.143E+00	3.307E+00	3.307E+00	23.71	OK
	87.09	3.41	5.099E+00	3.886E+00	3.886E+00	42.24	OK
	242.00	7.25	4.601E+00	2.380E+00	2.380E+00	39.01	OK
	295.22	18.42	3.988E+00	1.716E+00	1.716E+00	21.65	OK
	351.93	35.60*	3.508E+00	1.607E+00	1.607E+00	15.35	OK
U-235	89.96	3.47	5.293E+00	2.329E+00	2.329E+00	43.60	OK
	93.35	5.60	5.475E+00	2.483E+00	2.483E+00	45.32	OK
	143.76	10.96*	6.136E+00	----- Line Not Found		-----	<<INT Reject
	163.33	5.08	5.844E+00	----- Line Not Found		-----	Absent
	185.72	57.20	5.458E+00	1.799E-01	1.799E-01	64.15	OK
	205.31	5.01	5.136E+00	----- Line Not Found		-----	Absent
U-238	63.29	3.70*	2.389E+00	5.710E+00	5.710E+00	81.28	OK
	92.59	4.23	5.475E+00	3.287E+00	3.287E+00	45.32	OK
PU-239	129.30	0.01*	6.259E+00	8.702E+02	8.702E+02	92.96	OK
	375.05	0.00	3.348E+00	----- Line Not Found		-----	Absent
	413.71	0.00	3.105E+00	7.630E+03	7.630E+03	118.48	OK
AM-243	43.53	5.90	2.747E-01	----- Line Not Found		-----	Absent
	74.66	67.20*	3.834E+00	1.747E-01	1.747E-01	79.25	OK
ANH-511	511.00	100.00*	2.640E+00	5.272E-02	5.272E-02	178.18	OK

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 06:58:52.05

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378001.CNF;1		
Acquisition date	: 12-AUG-2025 05:58:17	Sensitivity	: 3.000
Detector ID	: GAM02	Energy tolerance	: 1.500
Elapsed live time	: 0 01:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 01:00:00.85	Half life ratio	: *****
Sample date	: 10-JUL-2025 08:00:00	Analyst initials	: RXF2
Sample ID	: G733378001	Sample Quantity	: 1.1557E+02 GRAM
Batch Number	: 2831784	Wet Weight	: 0.00000
Wet wt corr	: 1.00000	Dry Weight	: 0.00000
Nuclide Library	: SOLID.NLB;19		

CALIBRATION INFORMATION

Eff. Cal. date	: 19-SEP-2024 07:24:06	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM02_CAN.CNF;21		

Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Cnt uncert (1.96-sigma)	MDA (pCi/GRAM)
K-40	1.081E+01	1.878E+00	1.113E+00
CD-109	3.763E+00	1.558E+00	1.448E+00
AG-110	1.637E+00	9.888E-01	1.560E+00
SN-126	3.582E-01	1.482E-01	1.478E-01
CE-141	2.241E-02	2.025E-01	1.898E-01
EU-155	1.418E-01	1.715E-01	2.303E-01
TL-208	3.910E-01	1.117E-01	7.838E-02
BI-211	4.427E+00	6.660E-01	4.026E-01
PB-212	1.495E+00	1.641E-01	1.315E-01
BI-214	1.206E+00	2.868E-01	1.595E-01
PB-214	1.607E+00	2.417E-01	1.464E-01
RN-222	1.607E+00	2.417E-01	1.464E-01
RA-224	4.209E+00	1.609E+00	1.410E+00
RA-226	1.607E+00	2.417E-01	1.464E-01
AC-228	1.260E+00	3.871E-01	2.994E-01
RA-228	1.260E+00	3.871E-01	2.994E-01
TH-228	1.495E+00	1.641E-01	1.315E-01
TH-229	9.465E-02	6.356E-01	1.132E+00
TH-230	1.607E+00	2.417E-01	1.464E-01
PA-231	5.859E-01	8.366E-01	9.660E-01
TH-232	1.260E+00	3.871E-01	2.994E-01
PA-234M	5.710E+00	4.548E+00	2.960E+00
TH-234	5.710E+00	4.548E+00	2.960E+00
U-234	1.607E+00	2.417E-01	1.464E-01
U-235	2.562E-01	4.275E-01	4.802E-01
U-238	5.710E+00	4.548E+00	2.960E+00
PU-239	8.702E+02	7.927E+02	6.727E+02
AM-243	1.747E-01	1.356E-01	1.585E-01
ANH-511	5.272E-02	9.206E-02	6.496E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	2.855E-01	4.778E-01	9.645E-01	NOT IDENT.

NA-22	-4.375E-02	5.078E-02	8.106E-02	NOT IDENT.
NA-24	0.000E+00	4.002E+14	0.000E+00	SHORT HLIF
AL-26	2.069E-02	4.542E-02	1.057E-01	NOT IDENT.
SC-46	7.986E-03	4.074E-02	8.710E-02	FAIL ABUN
V-48	-2.561E-03	1.769E-01	3.493E-01	NOT IDENT.
CR-51	-5.918E-02	6.320E-01	1.200E+00	NOT IDENT.
MN-52	-7.981E-01	2.691E+00	5.002E+00	FAIL ABUN
MN-54	-1.679E-02	4.600E-02	8.575E-02	NOT IDENT.
CO-56	-3.780E-02	5.003E-02	8.322E-02	NOT IDENT.
MN-56	0.000E+00	1.349E+41	0.000E+00	SHORT HLIF
CO-57	7.427E-03	3.220E-02	5.917E-02	NOT IDENT.
CO-58	-2.021E-03	6.178E-02	1.201E-01	NOT IDENT.
FE-59	-1.400E-02	1.354E-01	2.617E-01	NOT IDENT.
CO-60	2.074E-03	5.737E-02	1.112E-01	NOT IDENT.
ZN-65	-2.790E-04	1.359E-01	2.290E-01	NOT IDENT.
GE-68	8.388E-01	1.582E+00	3.362E+00	NOT IDENT.
AS-73	7.531E-01	1.688E+00	3.309E+00	NOT IDENT.
AS-74	-6.320E-02	2.566E-01	4.566E-01	NOT IDENT.
SE-75	-2.879E-02	5.562E-02	1.022E-01	FAIL ABUN
BR-77	0.000E+00	4.601E+03	0.000E+00	SHORT HLIF
SR-82	-1.741E-01	7.405E-01	1.400E+00	NOT IDENT.
RB-83	6.240E-02	1.124E-01	2.210E-01	NOT IDENT.
RB-84	4.924E-02	1.178E-01	2.475E-01	NOT IDENT.
KR-85	4.483E+00	9.925E+00	1.754E+01	NOT IDENT.
SR-85	2.836E-02	6.340E-02	1.120E-01	NOT IDENT.
RB-86	2.451E-02	1.944E+00	3.792E+00	NOT IDENT.
Y-88	-3.342E-02	4.227E-02	6.814E-02	NOT IDENT.
Y-91	-3.092E+01	3.436E+01	5.561E+01	NOT IDENT.
NB-94	-3.263E-02	5.088E-02	8.397E-02	NOT IDENT.
NB-95	-7.283E-02	7.268E-02	1.266E-01	NOT IDENT.
NB-95M	-7.274E-02	1.978E-01	3.009E-01	NOT IDENT.
ZR-95	-1.702E-02	1.131E-01	2.026E-01	NOT IDENT.
NB-97	0.000E+00	6.042E+40	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	8.768E+13	0.000E+00	SHORT HLIF
MO-99	0.000E+00	1.611E+03	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	1.017E+38	0.000E+00	SHORT HLIF
RH-101	-1.696E-02	3.836E-02	6.115E-02	NOT IDENT.
RH-102	1.500E-02	5.955E-02	1.171E-01	NOT IDENT.
RU-103	1.769E-02	7.243E-02	1.385E-01	FAIL ABUN
RH-106	1.359E-01	3.768E-01	7.429E-01	NOT IDENT.
RU-106	1.359E-01	3.768E-01	7.429E-01	NOT IDENT.
AG-108M	-6.836E-03	3.534E-02	6.520E-02	NOT IDENT.
AG-110M	-3.144E-03	5.562E-02	1.106E-01	FAIL ABUN
SN-113	-6.561E-03	6.636E-02	1.231E-01	NOT IDENT.
CD-115	0.000E+00	3.518E+03	0.000E+00	SHORT HLIF
SN-117M	6.333E-02	1.660E-01	3.037E-01	NOT IDENT.
SB-122	0.000E+00	2.457E+02	0.000E+00	SHORT HLIF
TE-123M	-1.697E-03	3.882E-02	6.863E-02	NOT IDENT.
SB-124	-9.140E-02	1.206E-01	2.055E-01	NOT IDENT.
SB-125	-7.944E-02	1.133E-01	1.961E-01	FAIL ABUN
TE-125M	1.463E+01	1.536E+01	2.804E+01	NOT IDENT.
I-126	-4.009E-01	6.937E-01	1.168E+00	NOT IDENT.
SB-126	2.564E-01	4.410E-01	8.989E-01	FAIL ABUN
SB-127	-1.447E+01	4.149E+01	7.243E+01	NOT IDENT.
I-131	1.186E-01	6.673E-01	1.284E+00	NOT IDENT.
I-132	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
TE-132	0.000E+00	4.668E+01	0.000E+00	SHORT HLIF
BA-133	3.111E-03	4.719E-02	8.244E-02	FAIL ABUN
I-133	0.000E+00	1.204E+10	0.000E+00	SHORT HLIF
CS-134	0.000E+00	1.133E-01	1.363E-01	FAIL ABUN
I-135	0.000E+00	2.452E+35	0.000E+00	SHORT HLIF
CS-136	9.947E-02	3.066E-01	6.400E-01	FAIL ABUN
BA-137M	2.962E-02	4.512E-02	8.766E-02	NOT IDENT.
CS-137	3.129E-02	4.766E-02	9.260E-02	NOT IDENT.
LA-138	4.151E-02	6.845E-02	1.558E-01	NOT IDENT.
CE-139	-2.108E-02	4.207E-02	7.121E-02	NOT IDENT.
BA-140	5.865E-01	8.113E-01	1.671E+00	FAIL ABUN
LA-140	-1.525E-01	3.435E-01	6.423E-01	FAIL ABUN
CE-143	0.000E+00	1.157E+06	0.000E+00	SHORT HLIF
CE-144	-1.197E-01	2.738E-01	4.342E-01	NOT IDENT.
PM-144	-2.748E-02	4.946E-02	8.293E-02	NOT IDENT.
PR-144	-2.066E+00	3.738E+00	6.270E+00	NOT IDENT.
PM-146	4.640E-03	5.038E-02	9.599E-02	NOT IDENT.
ND-147	1.296E+00	2.373E+00	4.665E+00	FAIL ABUN
PM-147	4.908E+02	8.880E+02	1.675E+03	NOT IDENT.
PM-149	0.000E+00	3.101E+04	0.000E+00	SHORT HLIF
EU-150	1.910E-02	3.689E-02	6.655E-02	FAIL ABUN
EU-152	2.911E-02	1.318E-01	2.425E-01	FAIL ABUN

GD-153	2.073E-02	1.071E-01	1.859E-01	NOT IDENT.
EU-154	-1.228E-01	1.426E-01	2.276E-01	NOT IDENT.
TB-160	7.058E-02	1.944E-01	4.016E-01	FAIL ABUN
HO-166M	1.664E-03	8.452E-02	1.543E-01	FAIL ABUN
TM-171	-1.856E+00	3.146E+01	5.968E+01	NOT IDENT.
HF-172	3.629E-03	2.394E-01	4.005E-01	FAIL ABUN
LU-172	-8.966E-04	7.606E-02	1.492E-01	FAIL ABUN
LU-176	-1.648E-02	3.681E-02	5.960E-02	FAIL ABUN
HF-181	1.432E-02	7.168E-02	1.326E-01	NOT IDENT.
TA-182	2.307E-02	2.870E-01	4.927E-01	FAIL ABUN
RE-183	9.998E-02	3.535E-01	6.827E-01	NOT IDENT.
RE-184	-1.046E-01	1.995E-01	3.624E-01	NOT IDENT.
W-188	-4.354E+00	1.038E+01	1.701E+01	FAIL ABUN
IR-192	-2.964E-03	4.715E-02	8.952E-02	FAIL ABUN
HG-203	3.079E-02	6.165E-02	1.125E-01	NOT IDENT.
TL-204	-1.493E+00	6.335E+00	1.159E+01	NOT IDENT.
BI-207	-4.794E-03	6.182E-02	1.198E-01	FAIL ABUN
BI-210	-2.088E+00	7.893E+00	1.464E+01	NOT IDENT.
PB-210	-2.088E+00	7.893E+00	1.464E+01	NOT IDENT.
PB-211	5.251E-01	8.749E-01	1.746E+00	NOT IDENT.
BI-212	1.089E+00	7.318E-01	1.564E+00	FAIL ABUN
BI-213	5.385E-02	1.225E-01	2.429E-01	NOT IDENT.
RN-219	-4.723E-01	4.662E-01	7.783E-01	FAIL ABUN
RA-223	1.195E-01	7.709E-01	1.355E+00	FAIL ABUN
AC-225	-5.349E-01	2.686E+00	4.583E+00	NOT IDENT.
AC-227	-2.111E-01	2.968E-01	5.364E-01	FAIL ABUN
TH-227	-2.111E-01	2.968E-01	5.364E-01	FAIL ABUN
TH-231	1.195E-01	7.709E-01	1.355E+00	FAIL ABUN
PA-233	-8.649E-03	7.286E-02	1.379E-01	FAIL ABUN
PA-234	2.532E-01	3.533E-01	7.260E-01	FAIL ABUN
NP-237	-8.649E-03	7.286E-02	1.379E-01	FAIL ABUN
NP-238	0.000E+00	8.421E+03	0.000E+00	SHORT HLIF
NP-239	-5.345E-03	3.099E-01	5.617E-01	FAIL ABUN
AM-241	-1.797E-01	2.288E-01	3.722E-01	NOT IDENT.
CM-243	1.417E-02	1.347E-01	2.300E-01	NOT IDENT.
BK-247	-5.017E-02	8.999E-02	1.647E-01	FAIL ABUN
CM-247	-1.068E-02	4.225E-02	7.786E-02	NOT IDENT.
CF-249	-2.968E-02	4.498E-02	7.907E-02	NOT IDENT.
CF-251	2.738E-01	2.186E-01	2.947E-01	FAIL ABUN

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 06:58:50.47

Nuclide Line Activity Report

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
K-40	1460.82	183	10.66*	1.029E+00	1.081E+01	1.081E+01	17.73
CD-109	88.03	104	3.70*	5.099E+00	3.582E+00	3.763E+00	42.24
AG-110	657.50	22	4.50*	2.141E+00	1.494E+00	1.637E+00	61.65
SN-126	64.28	78	9.60	2.389E+00	2.201E+00	2.201E+00	81.28
	86.94	104	8.90	5.099E+00	1.489E+00	1.489E+00	42.24
	87.57	104	37.00*	5.099E+00	3.582E-01	3.582E-01	42.24
CE-141	145.44	27	48.29*	6.131E+00	5.814E-02	1.173E-01	170.26
EU-155	86.55	104	30.70	5.099E+00	4.316E-01	4.374E-01	42.24
	105.31	27	21.10*	6.035E+00	1.400E-01	1.418E-01	123.44
TL-208	277.37	------	6.60	4.175E+00	------ Line Not Found		------
	583.19	121	85.00*	2.370E+00	3.910E-01	3.910E-01	29.16
	860.56	------	12.50	1.677E+00	------ Line Not Found		------
BI-211	72.87	------	1.23	3.630E+00	------ Line Not Found		------
	351.06	309	12.92*	3.508E+00	4.427E+00	4.427E+00	15.35
PB-212	74.82	69	10.28	3.834E+00	1.142E+00	1.142E+00	79.25
	77.11	205	17.10	4.143E+00	1.876E+00	1.876E+00	23.71
	238.63	466	43.60*	4.640E+00	1.495E+00	1.495E+00	11.20
	300.09	19	3.30	3.938E+00	9.499E-01	9.499E-01	145.69
BI-214	609.32	193	45.49*	2.284E+00	1.206E+00	1.206E+00	24.26
	1120.29	38	14.92	1.301E+00	1.271E+00	1.271E+00	38.82
	1764.49	41	15.30	9.114E-01	1.918E+00	1.918E+00	32.76
PB-214	74.82	69	5.80	3.834E+00	2.024E+00	2.024E+00	79.25
	77.11	205	9.70	4.143E+00	3.307E+00	3.307E+00	23.71
	87.09	104	3.41	5.099E+00	3.886E+00	3.886E+00	42.24
	242.00	122	7.25	4.601E+00	2.380E+00	2.380E+00	39.01
	295.22	194	18.42	3.988E+00	1.716E+00	1.716E+00	21.65
	351.93	309	35.60*	3.508E+00	1.607E+00	1.607E+00	15.35
RN-222	74.82	69	5.80	3.834E+00	2.024E+00	2.024E+00	79.25
	77.11	205	9.70	4.143E+00	3.307E+00	3.307E+00	23.71
	87.09	104	3.41	5.099E+00	3.886E+00	3.886E+00	42.24
	242.00	122	7.25	4.601E+00	2.380E+00	2.380E+00	39.01
	295.22	194	18.42	3.988E+00	1.716E+00	1.716E+00	21.65
	351.93	309	35.60*	3.508E+00	1.607E+00	1.607E+00	15.35
RA-224	240.99	122	4.10*	4.601E+00	4.209E+00	4.209E+00	39.01
RA-226	74.82	69	5.80	3.834E+00	2.024E+00	2.024E+00	79.25
	77.11	205	9.70	4.143E+00	3.307E+00	3.307E+00	23.71
	87.09	104	3.41	5.099E+00	3.886E+00	3.886E+00	42.24
	242.00	122	7.25	4.601E+00	2.380E+00	2.380E+00	39.01
	295.22	194	18.42	3.988E+00	1.716E+00	1.716E+00	21.65
	351.93	309	35.60*	3.508E+00	1.607E+00	1.607E+00	15.35
AC-228	338.32	86	11.27	3.609E+00	1.381E+00	1.381E+00	43.84
	911.20	79	25.80*	1.587E+00	1.260E+00	1.260E+00	31.34
	968.97	37	15.80	1.496E+00	1.018E+00	1.018E+00	53.45
RA-228	338.32	86	11.27	3.609E+00	1.381E+00	1.381E+00	43.84
	911.20	79	25.80*	1.587E+00	1.260E+00	1.260E+00	31.34
	968.97	37	15.80	1.496E+00	1.018E+00	1.018E+00	53.45
TH-228	74.82	69	10.28	3.834E+00	1.142E+00	1.142E+00	79.25

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	77.11	205	17.10	4.143E+00	1.876E+00	1.876E+00	23.71
	238.63	466	43.60*	4.640E+00	1.495E+00	1.495E+00	11.20
	300.09	19	3.30	3.938E+00	9.499E-01	9.499E-01	145.69
TH-229	85.43	70	14.70	4.856E+00	6.338E-01	6.338E-01	68.94
	88.47	104	24.00	5.099E+00	5.522E-01	5.522E-01	42.24
	193.51	------	4.41*	5.329E+00	------ Line Not Found		------
	210.85	51	2.80	5.070E+00	2.321E+00	2.321E+00	74.48
TH-230	74.82	69	5.80	3.834E+00	2.024E+00	2.024E+00	79.25
	77.11	205	9.70	4.143E+00	3.307E+00	3.307E+00	23.71
	87.09	104	3.41	5.099E+00	3.886E+00	3.886E+00	42.24
	242.00	122	7.25	4.601E+00	2.380E+00	2.380E+00	39.01
	295.22	194	18.42	3.988E+00	1.716E+00	1.716E+00	21.65
	351.93	309	35.60*	3.508E+00	1.607E+00	1.607E+00	15.35
PA-231	283.69	------	1.70	4.108E+00	------ Line Not Found		------
	301.36	19	5.35*	3.938E+00	5.859E-01	5.859E-01	145.69
TH-232	338.32	86	11.27	3.609E+00	1.381E+00	1.381E+00	43.84
	911.20	79	25.80*	1.587E+00	1.260E+00	1.260E+00	31.34
	968.97	37	15.80	1.496E+00	1.018E+00	1.018E+00	53.45
PA-234M	63.29	78	3.70*	2.389E+00	5.710E+00	5.710E+00	81.28
	92.59	117	4.23	5.475E+00	3.287E+00	3.287E+00	45.32
TH-234	63.29	78	3.70*	2.389E+00	5.710E+00	5.710E+00	81.28
	92.59	117	4.23	5.475E+00	3.287E+00	3.287E+00	45.32
U-234	74.82	69	5.80	3.834E+00	2.024E+00	2.024E+00	79.25
	77.11	205	9.70	4.143E+00	3.307E+00	3.307E+00	23.71
	87.09	104	3.41	5.099E+00	3.886E+00	3.886E+00	42.24
	242.00	122	7.25	4.601E+00	2.380E+00	2.380E+00	39.01
	295.22	194	18.42	3.988E+00	1.716E+00	1.716E+00	21.65
	351.93	309	35.60*	3.508E+00	1.607E+00	1.607E+00	15.35
U-235	89.96	66	3.47	5.293E+00	2.329E+00	2.329E+00	43.60
	93.35	117	5.60	5.475E+00	2.483E+00	2.483E+00	45.32
	143.76	27	10.96*	6.131E+00	2.562E-01	2.562E-01	170.26
	163.33	------	5.08	5.844E+00	------ Line Not Found		------
	185.72	86	57.20	5.458E+00	1.799E-01	1.799E-01	64.15
	205.31	------	5.01	5.136E+00	------ Line Not Found		------
U-238	63.29	78	3.70*	2.389E+00	5.710E+00	5.710E+00	81.28
	92.59	117	4.23	5.475E+00	3.287E+00	3.287E+00	45.32
PU-239	129.30	53	0.01*	6.259E+00	8.702E+02	8.702E+02	92.96
	375.05	------	0.00	3.348E+00	------ Line Not Found		------
	413.71	53	0.00	3.105E+00	7.630E+03	7.630E+03	118.48
AM-243	43.53	------	5.90	2.747E-01	------ Line Not Found		------
	74.66	69	67.20*	3.834E+00	1.747E-01	1.747E-01	79.25
ANH-511	511.00	21	100.00*	2.640E+00	5.272E-02	5.272E-02	178.18

Flag: "*" = Keyline

Sample ID : G733378001 Acquisition date : 12-AUG-2025 05:58:17

Total number of lines in spectrum 51
Number of unidentified lines 8
Number of lines tentatively identified by NID 43 84.31%

Nuclide Type :

Nuclide	Hlife	Decay	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
K-40	1.25E+09Y	1.00	1.081E+01	1.081E+01	0.192E+01	17.73	
CD-109	461.40D	1.05	3.582E+00	3.763E+00	1.589E+00	42.24	
AG-110	249.76D	1.10	1.494E+00	1.637E+00	1.009E+00	61.65	
SN-126	2.30E+05Y	1.00	3.582E-01	3.582E-01	1.513E-01	42.24	
CE-141	32.51D	2.02	5.814E-02	1.173E-01	1.998E-01	170.26	
EU-155	4.75Y	1.01	1.400E-01	1.418E-01	1.750E-01	123.44	
TL-208	1.41E+10Y	1.00	3.910E-01	3.910E-01	1.140E-01	29.16	
BI-211	7.04E+08Y	1.00	4.427E+00	4.427E+00	0.680E+00	15.35	
PB-212	1.41E+10Y	1.00	1.495E+00	1.495E+00	0.167E+00	11.20	
BI-214	1600.00Y	1.00	1.206E+00	1.206E+00	0.293E+00	24.26	
PB-214	1600.00Y	1.00	1.607E+00	1.607E+00	0.247E+00	15.35	
RN-222	1600.00Y	1.00	1.607E+00	1.607E+00	0.247E+00	15.35	
RA-224	1.41E+10Y	1.00	4.209E+00	4.209E+00	1.642E+00	39.01	
RA-226	1600.00Y	1.00	1.607E+00	1.607E+00	0.247E+00	15.35	
AC-228	1.41E+10Y	1.00	1.260E+00	1.260E+00	0.395E+00	31.34	
RA-228	1.41E+10Y	1.00	1.260E+00	1.260E+00	0.395E+00	31.34	
TH-228	1.41E+10Y	1.00	1.495E+00	1.495E+00	0.167E+00	11.20	
TH-229	7340.00Y	1.00	5.522E-01	5.522E-01	2.332E-01	42.24	K
TH-230	7.54E+04Y	1.00	1.607E+00	1.607E+00	0.247E+00	15.35	
PA-231	7.04E+08Y	1.00	5.859E-01	5.859E-01	8.537E-01	145.69	
TH-232	1.41E+10Y	1.00	1.260E+00	1.260E+00	0.395E+00	31.34	
PA-234M	4.47E+09Y	1.00	5.710E+00	5.710E+00	4.641E+00	81.28	
TH-234	4.47E+09Y	1.00	5.710E+00	5.710E+00	4.641E+00	81.28	
U-234	2.45E+05Y	1.00	1.607E+00	1.607E+00	0.247E+00	15.35	
U-235	7.04E+08Y	1.00	2.562E-01	2.562E-01	4.362E-01	170.26	
U-238	4.47E+09Y	1.00	5.710E+00	5.710E+00	4.641E+00	81.28	
PU-239	24110.00Y	1.00	8.702E+02	8.702E+02	8.089E+02	92.96	
AM-243	7370.00Y	1.00	1.747E-01	1.747E-01	1.384E-01	79.25	
ANH-511	1.00E+09Y	1.00	5.272E-02	5.272E-02	9.394E-02	178.18	
	Total Activity :		9.304E+02	9.308E+02			
	Grand Total Activity :		9.304E+02	9.308E+02			

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

Sample ID : G733378001 Acquisition date : 12-AUG-2025 05:58:17

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
0	176.60	41	82	1.10	354.09	351	7	1.10E-02	81.5	5.62E+00	T
0	245.12	21	45	1.31	491.19	489	6	5.72E-03	****	4.56E+00	T
0	270.82	56	68	2.35	542.59	538	10	1.54E-02	61.6	4.25E+00	T
0	275.12	19	59	1.38	551.21	548	7	5.22E-03	****	4.20E+00	T
0	281.02	48	139	7.61	563.02	554	19	1.30E-02	****	4.14E+00	T
0	304.67	15	57	3.52	610.33	606	8	4.17E-03	****	3.90E+00	T
0	328.05	28	58	1.59	657.11	651	10	7.59E-03	****	3.70E+00	T
0	463.79	40	48	0.78	928.65	923	12	1.13E-02	75.3	2.85E+00	T
0	487.85	21	38	1.26	976.79	971	11	5.97E-03	****	2.74E+00	T
0	729.07	18	31	1.55	1459.26	1451	12	5.06E-03	****	1.95E+00	
0	796.99	32	27	2.93	1595.11	1587	16	9.03E-03	84.4	1.80E+00	T
0	857.12	13	8	0.98	1715.36	1710	9	3.71E-03	97.3	1.68E+00	T
0	935.26	8	10	1.00	1871.61	1866	10	2.44E-03	****	1.55E+00	T
0	949.28	11	17	0.73	1899.64	1891	12	3.06E-03	****	1.53E+00	T
1	965.27	17	9	2.08	1931.62	1927	23	4.92E-03	81.3	1.50E+00	T
0	1183.47	24	12	4.64	2367.88	2360	16	6.89E-03	74.3	1.24E+00	
0	1194.25	12	18	3.00	2389.44	2380	13	3.56E-03	****	1.23E+00	
0	1218.46	13	6	1.41	2437.83	2433	9	3.66E-03	90.0	1.20E+00	
0	1253.24	9	10	2.40	2507.37	2499	11	2.50E-03	****	1.17E+00	
0	1318.64	9	6	1.68	2638.10	2632	9	2.61E-03	****	1.12E+00	
0	1378.82	22	8	1.84	2758.40	2752	12	6.39E-03	66.7	1.08E+00	
0	1621.78	8	0	0.58	3244.00	3240	8	2.22E-03	70.7	9.56E-01	T
0	1730.69	10	0	1.44	3461.64	3456	10	3.06E-03	60.3	9.21E-01	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 06:59:01.88

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*********************************************************************************
*                            GEL Laboratories LLC                                 *
*                              2040 Savage Road                                   *
*                            Charleston, SC 29407                                 *
*********************************************************************************
*                                                                                *
*                           DETECTOR AND SAMPLE DATA                             *
*                                                                                *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378001.CNF;1       *
* Acquisition date : 12-AUG-2025 05:58:17 Sensitivity     : 3.000                *
* Detector ID      : GAM02                Energy tolerance: 1.500                *
* Elapsed live time:    0 01:00:00.00     Abundance limit : 75.000               *
* Elapsed real time:    0 01:00:00.85     Half life ratio : *****                *
* Sample date      : 10-JUL-2025 08:00:00 Nuclide Library : SOLID                *
* Sample ID        : G733378001           Analyst initials: RXF2                 *
* Batch Number     : 2831784              Sample Quantity : 1.1557E+02 GRAM      *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000           *
*                                         Dry Weight      :    0.00000           *
*********************************************************************************
*                                                                                *
*                           CALIBRATION INFORMATION                              *
*                                                                                *
* Eff. Cal. date   : 19-SEP-2024 07:24:06 Eff. Geometry   : CAN                  *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM02_CAN.CNF;21                 *
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Combined Critical Level Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)
K-40	4.770E-01
CD-109	6.745E-01
AG-110	6.800E-01
SN-126	6.915E-02
CE-141	8.880E-02
EU-155	1.081E-01
TL-208	3.482E-02
BI-211	1.819E-01
PB-212	6.139E-02
BI-214	7.127E-02
PB-214	6.615E-02
RN-222	6.615E-02
RA-224	6.581E-01
RA-226	6.615E-02
AC-228	1.283E-01
RA-228	1.283E-01
TH-228	6.139E-02
TH-229	5.281E-01
TH-230	6.614E-02
PA-231	4.409E-01
TH-232	1.283E-01
PA-234M	1.378E+00
TH-234	1.378E+00
U-234	6.614E-02
U-235	2.269E-01
U-238	1.378E+00
PU-239	3.138E+02
AM-243	7.583E-02
ANH-511	2.914E-02

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	4.357E-01	NOT IDENT.
NA-22	3.276E-02	NOT IDENT.

NA-24	0.000E+00	SHORT HLIF
AL-26	4.314E-02	NOT IDENT.
SC-46	3.645E-02	FAIL ABUN
V-48	1.498E-01	NOT IDENT.
CR-51	5.460E-01	NOT IDENT.
MN-52	2.004E+00	FAIL ABUN
MN-54	3.740E-02	NOT IDENT.
CO-56	3.467E-02	NOT IDENT.
MN-56	0.000E+00	SHORT HLIF
CO-57	2.778E-02	NOT IDENT.
CO-58	5.317E-02	NOT IDENT.
FE-59	1.113E-01	NOT IDENT.
CO-60	4.764E-02	NOT IDENT.
ZN-65	9.996E-02	NOT IDENT.
GE-68	1.462E+00	NOT IDENT.
AS-73	1.550E+00	NOT IDENT.
AS-74	2.052E-01	NOT IDENT.
SE-75	4.687E-02	FAIL ABUN
BR-77	0.000E+00	SHORT HLIF
SR-82	6.226E-01	NOT IDENT.
RB-83	1.007E-01	NOT IDENT.
RB-84	1.082E-01	NOT IDENT.
KR-85	7.994E+00	NOT IDENT.
SR-85	5.103E-02	NOT IDENT.
RB-86	1.641E+00	NOT IDENT.
Y-88	2.190E-02	NOT IDENT.
Y-91	2.372E+01	NOT IDENT.
NB-94	3.763E-02	NOT IDENT.
NB-95	5.657E-02	NOT IDENT.
NB-95M	1.395E-01	NOT IDENT.
ZR-95	8.906E-02	NOT IDENT.
NB-97	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	SHORT HLIF
MO-99	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	SHORT HLIF
RH-101	2.844E-02	NOT IDENT.
RH-102	5.132E-02	NOT IDENT.
RU-103	6.284E-02	FAIL ABUN
RH-106	3.295E-01	NOT IDENT.
RU-106	3.295E-01	NOT IDENT.
AG-108M	2.935E-02	NOT IDENT.
AG-110M	4.720E-02	FAIL ABUN
SN-113	5.642E-02	NOT IDENT.
CD-115	0.000E+00	SHORT HLIF
SN-117M	1.425E-01	NOT IDENT.
SB-122	0.000E+00	SHORT HLIF
TE-123M	3.215E-02	NOT IDENT.
SB-124	7.395E-02	NOT IDENT.
SB-125	8.806E-02	FAIL ABUN
TE-125M	1.322E+01	NOT IDENT.
I-126	5.102E-01	NOT IDENT.
SB-126	3.969E-01	FAIL ABUN
SB-127	3.186E+01	NOT IDENT.
I-131	5.874E-01	NOT IDENT.
I-132	0.000E+00	SHORT HLIF
TE-132	0.000E+00	SHORT HLIF
BA-133	3.710E-02	FAIL ABUN
I-133	0.000E+00	SHORT HLIF
CS-134	6.230E-02	FAIL ABUN
I-135	0.000E+00	SHORT HLIF
CS-136	2.753E-01	FAIL ABUN
BA-137M	3.923E-02	NOT IDENT.
CS-137	4.144E-02	NOT IDENT.
LA-138	6.511E-02	NOT IDENT.
CE-139	3.335E-02	NOT IDENT.
BA-140	7.504E-01	FAIL ABUN
LA-140	2.643E-01	FAIL ABUN
CE-143	0.000E+00	SHORT HLIF
CE-144	2.032E-01	NOT IDENT.
PM-144	3.684E-02	NOT IDENT.
PR-144	2.786E+00	NOT IDENT.
PM-146	4.326E-02	NOT IDENT.
ND-147	2.123E+00	FAIL ABUN
PM-147	7.866E+02	NOT IDENT.
PM-149	0.000E+00	SHORT HLIF
EU-150	3.075E-02	FAIL ABUN
EU-152	1.119E-01	FAIL ABUN
GD-153	8.706E-02	NOT IDENT.

EU-154	9.198E-02	NOT IDENT.
TB-160	1.764E-01	FAIL ABUN
HO-166M	6.903E-02	FAIL ABUN
TM-171	2.785E+01	NOT IDENT.
HF-172	1.872E-01	FAIL ABUN
LU-172	6.378E-02	FAIL ABUN
LU-176	2.737E-02	FAIL ABUN
HF-181	5.951E-02	NOT IDENT.
TA-182	2.134E-01	FAIL ABUN
RE-183	3.195E-01	NOT IDENT.
RE-184	1.538E-01	NOT IDENT.
W-188	7.746E+00	FAIL ABUN
IR-192	4.092E-02	FAIL ABUN
HG-203	5.197E-02	NOT IDENT.
TL-204	5.452E+00	NOT IDENT.
BI-207	5.132E-02	FAIL ABUN
BI-210	6.859E+00	NOT IDENT.
PB-210	6.859E+00	NOT IDENT.
PB-211	7.991E-01	NOT IDENT.
BI-212	7.148E-01	FAIL ABUN
BI-213	1.100E-01	NOT IDENT.
RN-219	3.470E-01	FAIL ABUN
RA-223	6.182E-01	FAIL ABUN
AC-225	2.137E+00	NOT IDENT.
AC-227	2.471E-01	FAIL ABUN
TH-227	2.471E-01	FAIL ABUN
TH-231	6.182E-01	FAIL ABUN
PA-233	6.294E-02	FAIL ABUN
PA-234	3.153E-01	FAIL ABUN
NP-237	6.294E-02	FAIL ABUN
NP-238	0.000E+00	SHORT HLIF
NP-239	2.628E-01	FAIL ABUN
AM-241	1.727E-01	NOT IDENT.
CM-243	1.079E-01	NOT IDENT.
BK-247	7.552E-02	FAIL ABUN
CM-247	3.507E-02	NOT IDENT.
CF-249	3.543E-02	NOT IDENT.
CF-251	1.382E-01	FAIL ABUN

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 06:59:06.25

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378001.CNF;1    *
* Acquisition date : 12-AUG-2025 05:58:17 Sensitivity     : 3.000       *
* Detector ID      : GAM02                Energy tolerance: 1.500       *
* Elapsed live time:    0 01:00:00.00     Abundance limit : 75.000      *
* Elapsed real time:    0 01:00:00.85     Half life ratio : *****       *
* Sample date      : 10-JUL-2025 08:00:00 Nuclide Library : SOLID       *
* Sample ID        : G733378001           Analyst initials: RXF2        *
* Batch Number     : 2831784              Sample Quantity : 1.1557E+02 GRAM   *
*                                         Quantity Err(%) : 1.7306E-03 %      *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000       *
*                                         Dry Weight      :    0.00000       *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 19-SEP-2024 07:24:06 Eff. Geometry   : CAN         *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM02_CAN.CNF;21         *
*************************************************************************
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Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Act Error (1.96-sigma)	TPU (1.96-sigma)
K-40	1.081E+01	2.256E+00	2.256E+00
CD-109	3.763E+00	1.610E+00	1.610E+00
AG-110	1.637E+00	9.977E-01	9.977E-01
SN-126	3.582E-01	1.520E-01	1.520E-01
CE-141	2.288E-02	2.027E-01	2.027E-01
EU-155	1.418E-01	1.720E-01	1.720E-01
TL-208	3.910E-01	1.165E-01	1.165E-01
BI-211	4.427E+00	7.792E-01	7.792E-01
PB-212	1.495E+00	2.145E-01	2.145E-01
BI-214	1.206E+00	3.040E-01	3.040E-01
PB-214	1.607E+00	2.816E-01	2.816E-01
RN-222	1.607E+00	2.816E-01	2.816E-01
RA-224	4.209E+00	1.657E+00	1.657E+00
RA-226	1.607E+00	2.816E-01	2.816E-01
AC-228	1.260E+00	4.184E-01	4.184E-01
RA-228	1.260E+00	4.184E-01	4.184E-01
TH-228	1.495E+00	2.145E-01	2.145E-01
TH-229	9.465E-02	6.356E-01	6.356E-01
TH-230	1.607E+00	2.816E-01	2.816E-01
PA-231	5.859E-01	8.474E-01	8.474E-01
TH-232	1.260E+00	4.184E-01	4.184E-01
PA-234M	5.710E+00	4.746E+00	4.746E+00
TH-234	5.710E+00	4.746E+00	4.746E+00
U-234	1.607E+00	2.816E-01	2.816E-01
U-235	2.562E-01	4.279E-01	4.279E-01
U-238	5.710E+00	4.746E+00	4.746E+00
PU-239	8.702E+02	7.954E+02	7.954E+02
AM-243	1.747E-01	1.366E-01	1.366E-01
ANH-511	5.272E-02	9.216E-02	9.216E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	2.855E-01	4.784E-01	4.954E-01	NOT IDENT.

NA-22	-4.375E-02	5.099E-02	5.467E-02	NOT IDENT.
NA-24	2.728E+14	4.016E+14	4.200E+14	SHORT HLIF
AL-26	2.069E-02	4.545E-02	4.640E-02	NOT IDENT.
SC-46	7.986E-03	4.075E-02	4.091E-02	FAIL ABUN
V-48	-2.561E-03	1.769E-01	1.769E-01	NOT IDENT.
CR-51	-5.918E-02	6.320E-01	6.326E-01	NOT IDENT.
MN-52	-7.981E-01	2.692E+00	2.716E+00	FAIL ABUN
MN-54	-1.679E-02	4.604E-02	4.666E-02	NOT IDENT.
CO-56	-3.780E-02	5.021E-02	5.302E-02	NOT IDENT.
MN-56	-1.000E+41	1.353E+41	0.000E+00	SHORT HLIF
CO-57	7.427E-03	3.221E-02	3.238E-02	NOT IDENT.
CO-58	-2.021E-03	6.178E-02	6.179E-02	NOT IDENT.
FE-59	-1.400E-02	1.354E-01	1.355E-01	NOT IDENT.
CO-60	2.074E-03	5.737E-02	5.738E-02	NOT IDENT.
ZN-65	-2.790E-04	1.359E-01	1.359E-01	NOT IDENT.
GE-68	8.388E-01	1.584E+00	1.629E+00	NOT IDENT.
AS-73	7.531E-01	1.696E+00	1.730E+00	NOT IDENT.
AS-74	-6.320E-02	2.567E-01	2.583E-01	NOT IDENT.
SE-75	-2.879E-02	5.568E-02	5.718E-02	FAIL ABUN
BR-77	4.191E+04	4.028E+04	4.449E+04	SHORT HLIF
SR-82	-1.741E-01	7.407E-01	7.449E-01	NOT IDENT.
RB-83	6.240E-02	1.129E-01	1.163E-01	NOT IDENT.
RB-84	4.924E-02	1.180E-01	1.201E-01	NOT IDENT.
KR-85	4.483E+00	9.932E+00	1.014E+01	NOT IDENT.
SR-85	2.836E-02	6.344E-02	6.472E-02	NOT IDENT.
RB-86	2.451E-02	1.944E+00	1.944E+00	NOT IDENT.
Y-88	-3.342E-02	4.235E-02	4.495E-02	NOT IDENT.
Y-91	-3.092E+01	3.448E+01	3.719E+01	NOT IDENT.
NB-94	-3.263E-02	5.096E-02	5.304E-02	NOT IDENT.
NB-95	-7.283E-02	7.303E-02	8.007E-02	NOT IDENT.
NB-95M	-7.274E-02	1.979E-01	2.006E-01	NOT IDENT.
ZR-95	-1.702E-02	1.131E-01	1.134E-01	NOT IDENT.
NB-97	1.000E+41	6.096E+40	0.000E+00	SHORT HLIF
ZR-97	-6.129E+12	8.768E+13	8.772E+13	SHORT HLIF
MO-99	-1.646E+02	1.611E+03	1.613E+03	SHORT HLIF
TC-99M	3.352E+37	1.018E+38	0.000E+00	SHORT HLIF
RH-101	-1.696E-02	3.849E-02	3.925E-02	NOT IDENT.
RH-102	1.500E-02	5.958E-02	5.996E-02	NOT IDENT.
RU-103	1.769E-02	7.244E-02	7.288E-02	FAIL ABUN
RH-106	1.359E-01	3.770E-01	3.820E-01	NOT IDENT.
RU-106	1.359E-01	3.770E-01	3.820E-01	NOT IDENT.
AG-108M	-6.836E-03	3.534E-02	3.548E-02	NOT IDENT.
AG-110M	-3.144E-03	5.563E-02	5.564E-02	FAIL ABUN
SN-113	-6.561E-03	6.636E-02	6.643E-02	NOT IDENT.
CD-115	4.089E+02	3.518E+03	3.523E+03	SHORT HLIF
SN-117M	6.333E-02	1.661E-01	1.685E-01	NOT IDENT.
SB-122	-1.060E+02	2.459E+02	2.505E+02	SHORT HLIF
TE-123M	-1.697E-03	3.882E-02	3.883E-02	NOT IDENT.
SB-124	-9.140E-02	1.209E-01	1.277E-01	NOT IDENT.
SB-125	-7.944E-02	1.135E-01	1.190E-01	FAIL ABUN
TE-125M	1.463E+01	1.540E+01	1.675E+01	NOT IDENT.
I-126	-4.009E-01	6.947E-01	7.178E-01	NOT IDENT.
SB-126	2.564E-01	4.422E-01	4.570E-01	FAIL ABUN
SB-127	-1.447E+01	4.156E+01	4.207E+01	NOT IDENT.
I-131	1.186E-01	6.674E-01	6.696E-01	NOT IDENT.
I-132	1.000E+41	8.949E+41	0.000E+00	SHORT HLIF
TE-132	-3.596E+01	4.687E+01	4.959E+01	SHORT HLIF
BA-133	3.111E-03	4.719E-02	4.721E-02	FAIL ABUN
I-133	6.475E+09	1.213E+10	1.247E+10	SHORT HLIF
CS-134	1.370E-01	1.142E-01	1.299E-01	FAIL ABUN
I-135	7.354E+34	2.514E+35	0.000E+00	SHORT HLIF
CS-136	9.947E-02	3.069E-01	3.101E-01	FAIL ABUN
BA-137M	2.962E-02	4.518E-02	4.711E-02	NOT IDENT.
CS-137	3.129E-02	4.773E-02	4.977E-02	NOT IDENT.
LA-138	4.151E-02	6.861E-02	7.111E-02	NOT IDENT.
CE-139	-2.108E-02	4.230E-02	4.335E-02	NOT IDENT.
BA-140	5.865E-01	8.128E-01	8.547E-01	FAIL ABUN
LA-140	-1.525E-01	3.439E-01	3.507E-01	FAIL ABUN
CE-143	8.895E+05	1.160E+06	1.228E+06	SHORT HLIF
CE-144	-1.197E-01	2.740E-01	2.792E-01	NOT IDENT.
PM-144	-2.748E-02	4.952E-02	5.105E-02	NOT IDENT.
PR-144	-2.066E+00	3.742E+00	3.856E+00	NOT IDENT.
PM-146	4.640E-03	5.038E-02	5.042E-02	NOT IDENT.
ND-147	1.296E+00	2.376E+00	2.447E+00	FAIL ABUN
PM-147	4.908E+02	8.888E+02	9.160E+02	NOT IDENT.
PM-149	-6.456E+03	3.102E+04	3.116E+04	SHORT HLIF
EU-150	1.910E-02	3.693E-02	3.792E-02	FAIL ABUN
EU-152	2.911E-02	1.318E-01	1.325E-01	FAIL ABUN

GD-153	2.073E-02	1.071E-01	1.075E-01	NOT IDENT.
EU-154	-1.228E-01	1.432E-01	1.535E-01	NOT IDENT.
TB-160	7.058E-02	1.946E-01	1.972E-01	FAIL ABUN
HO-166M	1.664E-03	8.452E-02	8.452E-02	FAIL ABUN
TM-171	-1.856E+00	3.146E+01	3.147E+01	NOT IDENT.
HF-172	3.629E-03	2.394E-01	2.394E-01	FAIL ABUN
LU-172	-8.966E-04	7.606E-02	7.606E-02	FAIL ABUN
LU-176	-1.648E-02	3.685E-02	3.759E-02	FAIL ABUN
HF-181	1.432E-02	7.169E-02	7.198E-02	NOT IDENT.
TA-182	2.307E-02	2.870E-01	2.871E-01	FAIL ABUN
RE-183	9.998E-02	3.537E-01	3.566E-01	NOT IDENT.
RE-184	-1.046E-01	2.000E-01	2.055E-01	NOT IDENT.
W-188	-4.354E+00	1.040E+01	1.058E+01	FAIL ABUN
IR-192	-2.964E-03	4.715E-02	4.717E-02	FAIL ABUN
HG-203	3.079E-02	6.172E-02	6.326E-02	NOT IDENT.
TL-204	-1.493E+00	6.337E+00	6.373E+00	NOT IDENT.
BI-207	-4.794E-03	6.182E-02	6.186E-02	FAIL ABUN
BI-210	-2.088E+00	7.896E+00	7.952E+00	NOT IDENT.
PB-210	-2.088E+00	7.896E+00	7.952E+00	NOT IDENT.
PB-211	5.251E-01	8.761E-01	9.076E-01	NOT IDENT.
BI-212	1.089E+00	7.391E-01	8.872E-01	FAIL ABUN
BI-213	5.385E-02	1.226E-01	1.249E-01	NOT IDENT.
RN-219	-4.723E-01	4.712E-01	5.171E-01	FAIL ABUN
RA-223	1.195E-01	7.710E-01	7.729E-01	FAIL ABUN
AC-225	-5.349E-01	2.687E+00	2.698E+00	NOT IDENT.
AC-227	-2.111E-01	2.986E-01	3.134E-01	FAIL ABUN
TH-227	-2.111E-01	2.986E-01	3.134E-01	FAIL ABUN
TH-231	1.195E-01	7.710E-01	7.729E-01	FAIL ABUN
PA-233	-8.649E-03	7.287E-02	7.297E-02	FAIL ABUN
PA-234	2.532E-01	4.578E-01	4.718E-01	FAIL ABUN
NP-237	-8.649E-03	7.287E-02	7.297E-02	FAIL ABUN
NP-238	-5.669E+03	8.446E+03	8.824E+03	SHORT HLIF
NP-239	-5.345E-03	3.099E-01	3.099E-01	FAIL ABUN
AM-241	-1.797E-01	2.298E-01	2.437E-01	NOT IDENT.
CM-243	1.417E-02	1.347E-01	1.349E-01	NOT IDENT.
BK-247	-5.017E-02	9.065E-02	9.343E-02	FAIL ABUN
CM-247	-1.068E-02	4.230E-02	4.257E-02	NOT IDENT.
CF-249	-2.968E-02	4.509E-02	4.704E-02	NOT IDENT.
CF-251	2.738E-01	2.213E-01	2.534E-01	FAIL ABUN

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

GAMMA SPECTROSCOPY BACKGROUND REPORT

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
43.53	74.6657	85.43	71.1530	133.02	72.5758
45.60	60.5354	86.55	71.3410	133.52	82.6092
46.54	72.8889	86.79	71.3807	136.00	66.5098
49.72	0.0000	86.94	71.4059	136.47	64.4156
51.35	64.4074	87.09	71.4305	140.51	0.0000
51.87	58.3326	87.57	71.5105	143.76	69.5449
52.39	66.4015	88.03	62.4756	144.24	69.5986
52.97	62.0930	88.34	62.5205	145.44	71.1872
53.44	63.0770	88.47	62.5391	152.43	62.7986
54.07	77.4499	89.96	65.3676	153.25	55.1567
57.36	0.0000	1093.63	65.4688	323.87	74.0194
57.53	63.0030	91.11	65.5385	156.02	79.7651
57.98	64.8932	92.59	65.7567	158.56	68.9530
59.27	67.5630	93.35	65.8676	159.00	74.5633
59.32	68.7799	94.56	66.0441	162.33	71.5801
59.54	73.6559	94.65	66.0573	162.66	67.1393
60.96	55.7813	94.67	66.0599	163.33	85.1277
61.17	55.8164	94.87	66.0889	165.86	85.4455
62.93	60.3755	97.43	59.8119	176.31	60.4839
63.29	60.4389	98.43	67.9326	176.60	60.5081
63.58	60.4896	98.44	67.9336	177.52	59.4426
64.28	60.6121	99.53	81.1094	181.07	0.0000
66.73	77.6810	100.11	66.1702	181.52	52.1088
67.24	85.2007	102.03	74.4901	184.41	64.6227
125.81	69.2332	103.18	75.3406	143.76	64.7372
67.75	69.2463	103.37	72.6784	193.51	61.9040
68.89	81.8696	105.31	77.0217	197.03	58.6670
69.67	91.3673	106.12	72.0731	198.01	63.4403
70.82	90.7162	106.47	77.2032	201.83	66.1104
70.83	90.7192	109.28	65.3799	203.43	68.6095
72.81	110.3169	111.00	83.0276	205.31	58.4945
72.87	110.3339	111.76	0.0000	210.85	55.7122
74.66	159.9799	114.06	73.2112	215.65	51.6340
74.82	160.0458	116.30	0.0000	218.12	68.6477
74.97	160.1078	116.74	71.5137	222.11	54.4524
77.11	122.9590	119.76	72.9619	227.09	54.7689
78.74	70.0061	121.12	65.8310	227.38	54.7871
79.69	76.5509	121.22	65.8431	228.16	0.0000
80.03	70.2299	121.78	74.2805	228.18	76.7726
80.12	70.2466	122.06	73.2716	116.74	76.7726
80.19	70.2589	122.92	78.6289	235.69	63.9114
80.57	57.5381	123.07	78.6501	235.96	63.9304
81.00	69.1188	265.00	80.8373	238.63	65.7658
81.07	69.1309	125.81	68.8529	238.98	0.0000
81.75	71.8104	127.23	70.4358	240.99	65.9375
82.47	78.3592	127.91	60.6483	242.00	66.0107
83.79	70.8761	129.30	64.6850	244.70	19.8621
84.00	70.9119	131.20	64.9009	252.40	49.2339

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.80	44.2459	345.93	36.0784	564.24	0.0000
254.15	0.0000	351.06	29.2780	569.33	26.4913
256.23	59.4888	351.93	29.2995	946.00	26.4933
260.90	0.0000	355.39	0.0000	569.70	28.6161
264.66	50.7141	356.01	26.1818	583.19	21.3558
264.80	50.7214	364.49	36.0737	584.27	21.3688
265.00	50.7324	366.42	0.0000	595.83	30.1043
269.46	45.8668	372.51	31.6495	427.87	21.5584
270.03	40.7939	375.05	38.2415	602.52	0.0000
271.23	40.8438	377.52	28.9704	604.72	37.2697
273.65	30.7075	356.01	24.4168	607.14	25.9600
276.40	35.9237	388.16	34.8614	609.32	23.8244
277.37	35.9579	388.63	27.3338	610.33	23.8369
277.60	46.2426	391.69	42.5125	614.28	16.2860
278.00	46.2612	264.66	36.1414	618.01	16.3177
279.20	39.8824	401.81	38.0762	620.36	20.6947
279.54	39.8966	402.40	31.4263	621.93	16.3513
279.70	39.9023	404.85	29.5753	630.19	0.0000
280.46	39.9326	410.95	37.3734	631.29	14.2399
283.69	40.0584	413.71	37.4488	633.25	21.9295
284.31	40.0830	414.70	37.4758	634.78	18.6546
285.41	44.0087	423.72	30.4644	635.95	16.4697
285.90	0.0000	427.09	31.9916	636.99	21.9710
287.50	37.6129	427.87	36.8589	657.50	15.5392
290.67	42.9308	433.94	30.1971	657.76	15.5415
293.27	0.0000	439.40	33.2446	657.90	0.0000
351.93	33.9711	440.45	24.4624	661.66	11.6783
295.96	33.9941	453.88	26.6616	664.57	0.0000
879.38	20.9712	463.37	29.8114	666.33	23.4105
299.98	39.3723	468.07	28.4084	666.50	22.2974
300.09	39.3759	473.00	25.0000	667.71	0.0000
300.13	39.3777	475.06	28.0376	677.62	20.1768
301.36	36.7944	476.78	24.0586	685.70	22.5065
302.85	36.8457	477.60	21.0628	692.65	0.0000
256.23	42.1729	482.18	22.9354	695.00	20.3452
304.85	42.1865	487.02	26.2349	696.49	29.4087
306.78	51.5065	492.35	0.0000	696.51	29.4087
308.46	41.0035	497.08	28.4324	697.00	31.6789
311.90	38.9207	505.52	19.9051	697.30	31.6834
316.51	39.0828	507.63	0.0000	697.49	22.6326
319.41	36.5115	511.00	25.6050	702.65	35.1664
320.08	35.6421	514.00	27.7042	706.68	20.4580
321.04	38.3485	514.00	27.7042	711.68	23.9232
323.87	33.5266	520.40	26.7808	720.70	12.5836
325.23	36.2516	520.69	0.0000	721.93	0.0000
328.76	45.7913	522.65	0.0000	722.78	18.8935
333.37	43.2695	527.90	0.0000	722.91	25.7648
333.97	39.2329	528.26	19.6626	723.31	17.1796
334.37	37.8933	529.59	24.8564	724.19	22.3430
338.28	39.8302	529.87	0.0000	727.33	16.0639
338.32	39.8311	531.02	25.9145	733.00	20.7070
311.90	35.3699	537.26	16.6465	735.93	18.4303
340.48	35.3699	546.56	0.0000	333.97	26.5123
340.55	35.3715	552.55	25.1914	739.50	0.0000
344.28	43.6709	563.25	26.4008	744.23	24.2804

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
747.24	16.2091	964.08	19.6974	1457.56	0.0000
748.06	9.2656	966.17	15.1631	1460.82	12.0876
752.31	24.3684	968.97	15.1787	1489.16	7.7468
753.82	11.6117	983.53	12.3966	1505.03	6.6661
756.73	19.7655	984.45	0.0000	1584.12	9.9645
756.80	19.7662	1274.44	18.1998	1596.21	10.9014
884.68	17.4951	1002.74	13.4407	1620.50	4.5679
765.81	32.3931	1004.73	24.9788	1621.92	3.6555
766.84	35.9113	507.63	0.0000	1678.03	0.0000
772.60	0.0000	1025.87	0.0000	1690.97	6.4979
776.52	24.6282	1028.54	0.0000	1750.46	0.0000
739.50	0.0000	1037.84	11.6602	1764.49	1.5720
778.90	21.1311	1038.76	0.0000	1063.66	1.5740
783.70	27.3511	631.29	16.5673	1771.35	0.0000
788.74	25.6414	1048.07	9.7504	1791.20	0.0000
792.07	21.2505	1049.04	13.6548	1808.65	3.8084
795.86	15.0768	1050.41	8.7825	1810.72	0.0000
810.06	24.0889	1063.66	12.7413	1836.06	4.7876
810.29	24.0914	1077.00	13.7821		
344.28	23.2007	1077.34	9.8456		
810.76	20.5258	1085.87	6.9111		
815.77	19.6743	1093.63	11.8777		
1048.07	25.0691	1099.45	11.8997		
832.01	11.7039	1112.07	14.9350		
834.85	19.8294	1112.84	14.9387		
836.80	0.0000	1115.54	15.9482		
846.75	0.0000	1120.29	13.9761		
846.77	14.4912	1120.55	13.9769		
856.80	15.4586	1221.41	7.9888		
860.56	10.1996	1129.67	10.0122		
871.09	11.8884	1131.51	0.0000		
873.19	14.6436	1147.95	0.0000		
875.33	0.0000	1173.23	15.2225		
879.38	13.7617	1177.95	9.7564		
880.51	12.8499	1189.05	20.3943		
881.60	11.9372	1204.77	21.5153		
883.24	18.3765	1221.41	13.1789		
884.68	11.9514	1231.02	7.2273		
889.28	7.3677	1235.36	24.8115		
894.76	10.1520	1238.28	11.3813		
898.04	11.0889	1260.41	0.0000		
900.72	11.1002	1271.87	9.4026		
903.28	15.7409	1274.44	13.5911		
911.20	12.0732	1274.54	13.5919		
912.08	12.0772	1291.59	7.3538		
923.98	0.0000	1298.22	0.0000		
926.50	14.0108	1312.11	7.0439		
929.11	22.4392	1332.49	11.6875		
935.54	14.9951	1362.66	0.0000		
937.49	16.5064	1365.19	9.6474		
944.13	13.5382	1368.63	0.0000		
946.00	7.5264	1384.29	10.3430		
949.00	6.0277	1408.01	6.5046		
667.71	0.0000	1434.09	7.6400		
962.31	19.6847	1435.80	4.3677		

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 07:16:24.55

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*****************************************************************************
*                            GEL Laboratories LLC                           *
*                              2040 Savage Road                             *
*                            Charleston, SC 29407                           *
*****************************************************************************
Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378002.CNF;1
Background file  : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM01.CNF;923
                                       Background date  : 10-AUG-2025 10:28:19
Sample date      : 10-JUL-2025 08:00:00 Acquisition date : 12-AUG-2025 06:15:58
Sample ID        : G733378002           Sample quantity  : 1.12650E+02 GRAM
Detector name    : GAM01                Detector geometry: CAN
Elapsed live time: 0 01:00:00.00        Elapsed real time: 0 01:00:00.35  0.0%
Energy tolerance : 1.50000 keV          Analyst Initials : RXF2
Abundance limit  : 75.00000             Sensitivity      : 3.00000
Batch ID         : 2831784              Detector SN#     :
Matrix Spike ID  :                      LCS ID           :
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BACKGROUND CORRECTED SAMPLE PEAK REPORT

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	1	35.27*	12	10	1.16	70.74	67	26	3.23E-03	106.3	3.72E+00
2	1	37.40*	6	29	1.29	75.00	67	26	1.59E-03	260.5	
3	1	41.27*	22	69	1.43	82.74	67	26	5.99E-03	79.1	
4	1	44.77*	14	81	1.43	89.74	67	26	3.82E-03	98.9	
5	0	57.49	24	132	1.47	115.16	113	10	6.80E-03	89.6	
6	0	64.01*	85	180	4.83	128.21	122	14	2.37E-02	35.4	
7	1	74.90	127	169	1.47	149.99	145	14	3.52E-02	21.3	1.71E+00
8	1	77.32	163	127	1.23	154.82	145	14	4.53E-02	14.4	
9	3	87.36	65	136	1.30	174.90	164	35	1.81E-02	33.5	1.81E+00
10	3	90.28	69	155	1.51	180.72	164	35	1.91E-02	35.3	
11	3	92.76*	31	123	1.18	185.69	164	35	8.52E-03	71.0	
12	0	128.53	40	153	1.89	257.23	253	11	1.12E-02	61.0	
13	0	185.70*	58	131	1.39	371.53	365	12	1.62E-02	43.6	
14	0	210.15	26	95	2.81	420.43	415	10	7.28E-03	72.8	
15	1	238.80*	334	54	1.34	477.72	469	22	9.28E-02	6.9	1.39E+00
16	1	241.79	91	51	1.63	483.70	469	22	2.52E-02	22.4	
17	1	282.10	31	32	1.66	564.30	561	15	8.60E-03	31.8	1.87E+00
18	1	284.80	23	48	1.66	569.70	561	15	6.37E-03	63.1	
19	0	295.55	134	62	0.98	591.21	587	10	3.72E-02	14.0	
20	0	301.50	34	52	3.29	603.10	598	11	9.46E-03	44.5	
21	0	328.73	14	58	3.38	657.56	650	11	3.93E-03	107.3	
22	0	338.70*	80	50	1.56	677.48	673	10	2.21E-02	20.3	
23	0	352.15*	234	68	1.27	704.40	698	13	6.50E-02	9.9	
24	0	441.90	29	43	6.91	883.86	872	20	8.02E-03	59.7	
25	0	511.22*	25	64	2.38	1022.50	1014	17	6.88E-03	84.6	
26	0	583.96*	79	58	1.59	1167.97	1162	15	2.21E-02	23.8	
27	0	609.67*	185	40	1.63	1219.39	1210	18	5.13E-02	11.0	
28	0	729.85	27	43	1.76	1459.76	1450	20	7.50E-03	60.9	
29	0	756.83	10	19	0.58	1513.71	1505	13	2.83E-03	94.5	
30	0	769.35	33	26	2.04	1538.75	1530	17	9.03E-03	39.7	
31	0	796.81	13	28	0.61	1593.68	1584	16	3.70E-03	92.9	
32	0	840.93	16	15	2.93	1681.92	1673	13	4.42E-03	57.5	
33	0	911.64*	80	22	1.56	1823.36	1817	16	2.22E-02	17.9	
34	0	936.12	8	9	1.64	1872.33	1863	11	2.34E-03	74.6	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
35	0	970.00	39	19	2.19	1940.08	1934	11	1.09E-02	26.9	
36	0	977.91*	7	13	0.81	1955.92	1948	10	1.93E-03	106.0	
37	0	1019.73	13	18	3.64	2039.57	2025	17	3.69E-03	76.5	
38	0	1030.93	10	2	0.63	2061.97	2058	7	2.84E-03	38.0	
39	0	1071.50	14	6	3.29	2143.12	2138	11	3.94E-03	41.7	
40	0	1121.99	27	33	1.02	2244.11	2236	15	7.56E-03	52.1	
41	8	1198.94	9	4	1.47	2398.04	2396	12	2.51E-03	43.1	1.19E+00
42	8	1201.87	19	3	2.18	2403.89	2396	12	5.29E-03	29.8	
43	0	1238.18	25	22	3.14	2476.54	2468	17	6.98E-03	46.6	
44	0	1295.43	7	9	0.54	2591.06	2581	12	2.01E-03	90.8	
45	0	1365.82	4	3	1.25	2731.88	2728	6	1.11E-03	84.8	
46	0	1461.66*	282	0	1.72	2923.60	2917	15	7.84E-02	6.0	
47	0	1588.50	8	9	0.83	3177.38	3173	9	2.22E-03	76.3	
48	0	1764.85*	31	0	1.20	3530.21	3523	13	8.56E-03	19.2	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 12-AUG-2025 07:16:26

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378002.CNF;1		
Analyses by	: PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4		
Sample title	: RXF2		
Sample date	: 10-JUL-2025 08:00:00	Acquisition date	: 12-AUG-2025 06:15:58
Sample ID	: G733378002	Sample quantity	: 112.65 GRAM
Sample type	: SOLID	Sample geometry	:
Detector name	: GAMMA1	Detector geometry	: CAN
Elapsed live time	: 0 01:00:00.00	Elapsed real time	: 0 01:00:00.35 0.0%
Energy tolerance	: 1.50 keV	Half life ratio	: 10.00
Errors propagated	: No	Systematic Error	: 0.00 %
Efficiency type	: Empirical	Efficiencies at	: Peak Energy
Abundance limit	: 75.00		

Interference Report

No interference correction performed

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
K-40	1460.82	266	10.66*	1.004E+00	1.655E+01	1.655E+01	12.02
CD-109	88.03	68	3.70*	4.754E+00	2.584E+00	2.715E+00	67.04
SN-126	64.28	91	9.60	2.492E+00	2.524E+00	2.524E+00	70.87
	86.94	68	8.90	4.754E+00	1.074E+00	1.074E+00	67.04
	87.57	68	37.00*	4.754E+00	2.584E-01	2.584E-01	67.04
TL-208	277.37	------	6.60	4.242E+00	------ Line Not Found		------
	583.19	78	85.00*	2.215E+00	2.745E-01	2.745E-01	47.64
	860.56	------	12.50	1.579E+00	------ Line Not Found		------
BI-211	72.87	------	1.23	3.467E+00	------ Line Not Found		------
	351.06	233	12.92*	3.466E+00	3.466E+00	3.466E+00	19.82
PB-212	74.82	134	10.28	3.675E+00	2.360E+00	2.360E+00	42.56
	77.11	172	17.10	3.911E+00	1.713E+00	1.713E+00	28.90
	238.63	338	43.60*	4.765E+00	1.083E+00	1.083E+00	13.76
	300.09	34	3.30	3.960E+00	1.740E+00	1.740E+00	89.01
BI-213	440.45	28	25.94*	2.837E+00	2.580E-01	2.580E-01	119.45
BI-214	609.32	180	45.49*	2.133E+00	1.236E+00	1.236E+00	22.08
	1120.29	------	14.92	1.259E+00	------ Line Not Found		------
	1764.49	29	15.30	8.587E-01	1.460E+00	1.460E+00	38.32
PB-214	74.82	134	5.80	3.675E+00	4.183E+00	4.183E+00	42.56
	77.11	172	9.70	3.911E+00	3.020E+00	3.020E+00	28.90
	87.09	68	3.41	4.754E+00	2.803E+00	2.803E+00	67.04
	242.00	92	7.25	4.721E+00	1.782E+00	1.782E+00	44.78
	295.22	134	18.42	4.026E+00	1.206E+00	1.206E+00	28.04
	351.93	233	35.60*	3.466E+00	1.258E+00	1.258E+00	19.82
RN-222	74.82	134	5.80	3.675E+00	4.183E+00	4.183E+00	42.56
	77.11	172	9.70	3.911E+00	3.020E+00	3.020E+00	28.90
	87.09	68	3.41	4.754E+00	2.803E+00	2.803E+00	67.04
	242.00	92	7.25	4.721E+00	1.782E+00	1.782E+00	44.78
	295.22	134	18.42	4.026E+00	1.206E+00	1.206E+00	28.04
	351.93	233	35.60*	3.466E+00	1.258E+00	1.258E+00	19.82
RA-224	240.99	92	4.10*	4.721E+00	3.151E+00	3.151E+00	44.78
RA-226	74.82	134	5.80	3.675E+00	4.183E+00	4.183E+00	42.56
	77.11	172	9.70	3.911E+00	3.020E+00	3.020E+00	28.90
	87.09	68	3.41	4.754E+00	2.803E+00	2.803E+00	67.04
	242.00	92	7.25	4.721E+00	1.782E+00	1.782E+00	44.78
	295.22	134	18.42	4.026E+00	1.206E+00	1.206E+00	28.04
	351.93	233	35.60*	3.466E+00	1.258E+00	1.258E+00	19.82
AC-228	338.32	80	11.27	3.585E+00	1.311E+00	1.311E+00	40.57
	911.20	77	25.80*	1.503E+00	1.320E+00	1.320E+00	35.86
	968.97	38	15.80	1.425E+00	1.112E+00	1.112E+00	53.72
RA-228	338.32	80	11.27	3.585E+00	1.311E+00	1.311E+00	40.57
	911.20	77	25.80*	1.503E+00	1.320E+00	1.320E+00	35.86
	968.97	38	15.80	1.425E+00	1.112E+00	1.112E+00	53.72
TH-228	74.82	134	10.28	3.675E+00	2.360E+00	2.360E+00	42.56
	77.11	172	17.10	3.911E+00	1.713E+00	1.713E+00	28.90
	238.63	338	43.60*	4.765E+00	1.083E+00	1.083E+00	13.76
	300.09	34	3.30	3.960E+00	1.740E+00	1.740E+00	89.01
TH-230	74.82	134	5.80	3.675E+00	4.183E+00	4.183E+00	42.56
	77.11	172	9.70	3.911E+00	3.020E+00	3.020E+00	28.90

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	87.09	68	3.41	4.754E+00	2.803E+00	2.803E+00	67.04
	242.00	92	7.25	4.721E+00	1.782E+00	1.782E+00	44.78
	295.22	134	18.42	4.026E+00	1.206E+00	1.206E+00	28.04
	351.93	233	35.60*	3.466E+00	1.258E+00	1.258E+00	19.82
PA-231	283.69	23	1.70	4.151E+00	2.174E+00	2.174E+00	126.11
	301.36	34	5.35*	3.960E+00	1.073E+00	1.073E+00	89.01
TH-232	338.32	80	11.27	3.585E+00	1.311E+00	1.311E+00	40.57
	911.20	77	25.80*	1.503E+00	1.320E+00	1.320E+00	35.86
	968.97	38	15.80	1.425E+00	1.112E+00	1.112E+00	53.72
PA-234M	63.29	91	3.70*	2.492E+00	6.548E+00	6.548E+00	70.87
	92.59	32	4.23	5.112E+00	9.890E-01	9.890E-01	141.93
TH-234	63.29	91	3.70*	2.492E+00	6.548E+00	6.548E+00	70.87
	92.59	32	4.23	5.112E+00	9.890E-01	9.890E-01	141.93
U-234	74.82	134	5.80	3.675E+00	4.183E+00	4.183E+00	42.56
	77.11	172	9.70	3.911E+00	3.020E+00	3.020E+00	28.90
	87.09	68	3.41	4.754E+00	2.803E+00	2.803E+00	67.04
	242.00	92	7.25	4.721E+00	1.782E+00	1.782E+00	44.78
	295.22	134	18.42	4.026E+00	1.206E+00	1.206E+00	28.04
	351.93	233	35.60*	3.466E+00	1.258E+00	1.258E+00	19.82
U-235	89.96	72	3.47	4.955E+00	2.789E+00	2.789E+00	70.51
	93.35	32	5.60	5.112E+00	7.470E-01	7.470E-01	141.93
	143.76	------	10.96*	6.110E+00	------ Line Not Found		------
	163.33	------	5.08	5.920E+00	------ Line Not Found		------
	185.72	60	57.20	5.595E+00	1.242E-01	1.242E-01	87.11
	205.31	------	5.01	5.283E+00	------ Line Not Found		------
U-238	63.29	91	3.70*	2.492E+00	6.548E+00	6.548E+00	70.87
	92.59	32	4.23	5.112E+00	9.890E-01	9.890E-01	141.93
AM-243	43.53	15	5.90	5.523E-01	3.021E+00	3.021E+00	197.84
	74.66	134	67.20*	3.675E+00	3.611E-01	3.611E-01	42.56
ANH-511	511.00	24	100.00*	2.492E+00	6.498E-02	6.498E-02	169.11

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 07:16:27.04

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*****************************************************************************
*                            GEL Laboratories LLC                           *
*                              2040 Savage Road                             *
*                            Charleston, SC 29407                           *
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*                                                                           *
*                          DETECTOR AND SAMPLE DATA                         *
*                                                                           *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378002.CNF;1   *
* Acquisition date : 12-AUG-2025 06:15:58 Sensitivity     : 3.000           *
* Detector ID      : GAM01                Energy tolerance: 1.500           *
* Elapsed live time:    0 01:00:00.00     Abundance limit : 75.000          *
* Elapsed real time:    0 01:00:00.35     Half life ratio : *****           *
* Sample date      : 10-JUL-2025 08:00:00 Analyst initials: RXF2            *
* Sample ID        : G733378002           Sample Quantity : 1.1265E+02 GRAM *
* Batch Number     : 2831784              Wet Weight      :    0.00000      *
* Wet wt corr      :    1.00000           Dry Weight      :    0.00000      *
* Nuclide Library  : SOLID.NLB;19                                           *
*****************************************************************************
*                                                                           *
*                          CALIBRATION INFORMATION                          *
*                                                                           *
* Eff. Cal. date   : 23-JUN-2025 10:35:44 Eff. Geometry   : CAN             *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM01_CAN.CNF;20            *
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Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Cnt uncert (1.96-sigma)	MDA (pCi/GRAM)
K-40	1.655E+01	1.949E+00	8.649E-01
CD-109	2.715E+00	1.784E+00	2.087E+00
SN-126	2.584E-01	1.697E-01	2.000E-01
TL-208	2.745E-01	1.282E-01	9.288E-02
BI-211	3.466E+00	6.732E-01	4.405E-01
PB-212	1.083E+00	1.461E-01	1.115E-01
BI-213	2.580E-01	3.020E-01	2.336E-01
BI-214	1.236E+00	2.674E-01	1.539E-01
PB-214	1.258E+00	2.443E-01	1.602E-01
RN-222	1.258E+00	2.443E-01	1.602E-01
RA-224	3.151E+00	1.383E+00	1.195E+00
RA-226	1.258E+00	2.443E-01	1.602E-01
AC-228	1.320E+00	4.637E-01	3.756E-01
RA-228	1.320E+00	4.637E-01	3.756E-01
TH-228	1.083E+00	1.461E-01	1.115E-01
TH-230	1.258E+00	2.443E-01	1.602E-01
PA-231	1.073E+00	9.362E-01	8.999E-01
TH-232	1.320E+00	4.637E-01	3.756E-01
PA-234M	6.548E+00	4.548E+00	3.431E+00
TH-234	6.548E+00	4.548E+00	3.431E+00
U-234	1.258E+00	2.443E-01	1.602E-01
U-235	-1.380E-01	2.595E-01	4.503E-01
U-238	6.548E+00	4.548E+00	3.431E+00
AM-243	3.611E-01	1.506E-01	1.559E-01
ANH-511	6.498E-02	1.077E-01	6.693E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L.	Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	2.576E-01		4.358E-01	8.931E-01	NOT IDENT.
NA-22	1.510E-02		4.072E-02	9.190E-02	NOT IDENT.
NA-24	0.000E+00		4.190E+14	0.000E+00	SHORT HLIF
AL-26	-8.627E-03		4.167E-02	8.487E-02	NOT IDENT.
SC-46	-3.439E-03		5.355E-02	1.067E-01	FAIL ABUN

V-48	-4.553E-02	1.952E-01	3.745E-01	NOT IDENT.
CR-51	-2.423E-01	5.980E-01	1.061E+00	NOT IDENT.
MN-52	4.264E-01	2.704E+00	5.782E+00	FAIL ABUN
MN-54	-2.312E-02	5.407E-02	8.641E-02	NOT IDENT.
CO-56	2.140E-02	4.754E-02	1.044E-01	FAIL ABUN
MN-56	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CO-57	-1.209E-02	3.547E-02	6.395E-02	NOT IDENT.
CO-58	-1.738E-02	5.060E-02	9.698E-02	NOT IDENT.
FE-59	1.159E-03	1.211E-01	2.487E-01	NOT IDENT.
CO-60	3.029E-02	4.599E-02	1.062E-01	NOT IDENT.
ZN-65	2.063E-02	1.255E-01	2.273E-01	NOT IDENT.
GE-68	9.800E-01	1.866E+00	3.750E+00	NOT IDENT.
AS-73	2.179E+00	1.612E+00	3.201E+00	NOT IDENT.
AS-74	9.128E-02	2.588E-01	4.972E-01	NOT IDENT.
SE-75	-4.374E-02	5.777E-02	9.840E-02	NOT IDENT.
BR-77	0.000E+00	4.108E+03	0.000E+00	SHORT HLIF
SR-82	-3.523E-01	6.708E-01	1.128E+00	NOT IDENT.
RB-83	2.947E-02	9.498E-02	1.861E-01	NOT IDENT.
RB-84	-1.811E-02	1.014E-01	2.023E-01	NOT IDENT.
KR-85	5.447E+00	1.133E+01	1.965E+01	NOT IDENT.
SR-85	3.477E-02	7.239E-02	1.256E-01	NOT IDENT.
RB-86	8.431E-01	2.283E+00	4.285E+00	NOT IDENT.
Y-88	-1.051E-02	3.455E-02	7.318E-02	NOT IDENT.
Y-91	1.118E+01	2.965E+01	5.789E+01	NOT IDENT.
NB-94	5.089E-03	4.424E-02	8.290E-02	NOT IDENT.
NB-95	-4.530E-02	7.467E-02	1.047E-01	NOT IDENT.
NB-95M	8.861E-02	1.590E-01	3.063E-01	NOT IDENT.
ZR-95	9.754E-02	1.806E-01	2.197E-01	FAIL ABUN
NB-97	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	8.078E+13	0.000E+00	SHORT HLIF
MO-99	0.000E+00	1.423E+03	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	1.028E+38	0.000E+00	SHORT HLIF
RH-101	6.823E-02	8.158E-02	7.725E-02	FAIL ABUN
RH-102	4.457E-03	6.211E-02	1.188E-01	NOT IDENT.
RU-103	-4.283E-03	6.857E-02	1.261E-01	FAIL ABUN
RH-106	-1.666E-01	4.105E-01	7.126E-01	NOT IDENT.
RU-106	-1.666E-01	4.105E-01	7.126E-01	NOT IDENT.
AG-108M	-1.697E-02	4.378E-02	6.786E-02	NOT IDENT.
AG-110	4.037E-01	8.932E-01	1.801E+00	NOT IDENT.
AG-110M	-1.666E-02	5.357E-02	1.039E-01	FAIL ABUN
SN-113	1.589E-02	5.325E-02	1.036E-01	NOT IDENT.
CD-115	0.000E+00	4.024E+03	0.000E+00	SHORT HLIF
SN-117M	9.542E-02	1.665E-01	3.181E-01	NOT IDENT.
SB-122	0.000E+00	2.848E+02	0.000E+00	SHORT HLIF
TE-123M	1.289E-02	3.845E-02	7.235E-02	NOT IDENT.
SB-124	-2.402E-03	1.101E-01	2.437E-01	NOT IDENT.
SB-125	-7.101E-02	1.177E-01	2.003E-01	NOT IDENT.
TE-125M	5.841E+00	1.507E+01	2.874E+01	NOT IDENT.
I-126	4.359E-01	7.971E-01	1.572E+00	NOT IDENT.
SB-126	1.821E-01	4.499E-01	9.049E-01	NOT IDENT.
SB-127	1.033E+01	3.627E+01	7.208E+01	NOT IDENT.
I-131	-2.648E-01	6.195E-01	1.089E+00	FAIL ABUN
I-132	0.000E+00	1.701E+41	0.000E+00	SHORT HLIF
TE-132	0.000E+00	4.184E+01	0.000E+00	SHORT HLIF
BA-133	2.731E-02	4.943E-02	8.991E-02	FAIL ABUN
I-133	0.000E+00	1.347E+10	0.000E+00	SHORT HLIF
CS-134	6.117E-02	1.114E-01	1.190E-01	FAIL ABUN
I-135	0.000E+00	2.526E+35	0.000E+00	SHORT HLIF
CS-136	1.714E-01	3.415E-01	7.313E-01	NOT IDENT.
BA-137M	8.181E-04	5.039E-02	9.442E-02	NOT IDENT.
CS-137	8.642E-04	5.323E-02	9.975E-02	NOT IDENT.
LA-138	-1.778E-02	6.107E-02	1.200E-01	NOT IDENT.
CE-139	7.328E-03	3.852E-02	7.188E-02	NOT IDENT.
BA-140	-2.675E-01	9.417E-01	1.667E+00	NOT IDENT.
LA-140	-2.692E-01	3.032E-01	4.782E-01	FAIL ABUN
CE-141	1.463E-02	1.163E-01	2.113E-01	NOT IDENT.
CE-143	0.000E+00	1.203E+06	0.000E+00	SHORT HLIF
CE-144	-1.048E-01	2.857E-01	4.568E-01	NOT IDENT.
PM-144	2.367E-02	4.685E-02	9.278E-02	NOT IDENT.
PR-144	1.811E+00	3.542E+00	7.020E+00	NOT IDENT.
PM-146	5.868E-02	5.244E-02	1.104E-01	NOT IDENT.
ND-147	-8.623E-01	2.544E+00	4.445E+00	FAIL ABUN
PM-147	-8.717E+01	9.584E+02	1.762E+03	NOT IDENT.
PM-149	0.000E+00	4.496E+04	0.000E+00	SHORT HLIF
EU-150	1.673E-03	3.949E-02	6.482E-02	FAIL ABUN
EU-152	-1.041E-01	1.161E-01	1.917E-01	NOT IDENT.
GD-153	-1.513E-01	1.251E-01	2.135E-01	NOT IDENT.
EU-154	4.580E-02	1.153E-01	2.609E-01	FAIL ABUN

EU-155	-4.842E-02	1.474E-01	2.667E-01	FAIL ABUN
TB-160	-6.532E-02	1.650E-01	3.141E-01	FAIL ABUN
HO-166M	-2.618E-02	8.017E-02	1.427E-01	FAIL ABUN
TM-171	1.804E+01	2.854E+01	5.620E+01	NOT IDENT.
HF-172	2.787E-03	2.819E-01	4.670E-01	FAIL ABUN
LU-172	1.985E-02	7.141E-02	1.518E-01	FAIL ABUN
LU-176	1.720E-02	3.142E-02	5.907E-02	FAIL ABUN
HF-181	1.081E-02	6.894E-02	1.316E-01	FAIL ABUN
TA-182	-2.922E-01	2.350E-01	3.532E-01	FAIL ABUN
RE-183	4.010E-01	7.039E-01	7.096E-01	FAIL ABUN
RE-184	-1.727E-01	1.890E-01	3.192E-01	NOT IDENT.
W-188	9.541E-01	1.044E+01	1.752E+01	FAIL ABUN
IR-192	1.162E-02	4.525E-02	8.644E-02	FAIL ABUN
HG-203	-7.470E-02	6.901E-02	9.672E-02	NOT IDENT.
TL-204	5.207E+00	7.786E+00	1.377E+01	NOT IDENT.
BI-207	-9.923E-03	5.917E-02	1.160E-01	FAIL ABUN
BI-210	-2.315E+00	5.780E+00	9.516E+00	NOT IDENT.
PB-210	-2.315E+00	5.780E+00	9.516E+00	NOT IDENT.
PB-211	4.825E-01	9.060E-01	1.766E+00	NOT IDENT.
BI-212	1.535E+00	8.309E-01	1.818E+00	NOT IDENT.
RN-219	1.927E-01	5.307E-01	1.013E+00	NOT IDENT.
RA-223	1.686E-01	7.550E-01	1.300E+00	FAIL ABUN
AC-225	3.725E-01	2.460E+00	4.560E+00	NOT IDENT.
AC-227	-1.156E-01	3.012E-01	5.338E-01	NOT IDENT.
TH-227	-1.156E-01	3.012E-01	5.338E-01	NOT IDENT.
TH-229	-2.707E-03	5.925E-01	1.090E+00	FAIL ABUN
TH-231	1.686E-01	7.550E-01	1.300E+00	FAIL ABUN
PA-233	6.180E-03	7.339E-02	1.371E-01	FAIL ABUN
PA-234	-1.647E-01	3.454E-01	6.404E-01	NOT IDENT.
NP-237	6.180E-03	7.339E-02	1.371E-01	FAIL ABUN
NP-238	0.000E+00	8.885E+03	0.000E+00	SHORT HLIF
NP-239	-9.411E-02	3.236E-01	5.886E-01	NOT IDENT.
PU-239	7.214E+02	8.627E+02	9.290E+02	FAIL ABUN
AM-241	1.215E-01	2.498E-01	4.416E-01	NOT IDENT.
CM-243	1.125E-02	1.437E-01	2.677E-01	NOT IDENT.
BK-247	1.876E-02	9.162E-02	1.724E-01	NOT IDENT.
CM-247	-2.376E-03	4.865E-02	8.877E-02	NOT IDENT.
CF-249	2.271E-02	4.849E-02	9.443E-02	NOT IDENT.
CF-251	4.284E-02	1.550E-01	2.905E-01	FAIL ABUN

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 07:16:25.49

Nuclide Line Activity Report

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
K-40	1460.82	266	10.66*	1.004E+00	1.655E+01	1.655E+01	12.02
CD-109	88.03	68	3.70*	4.754E+00	2.584E+00	2.715E+00	67.04
SN-126	64.28	91	9.60	2.492E+00	2.524E+00	2.524E+00	70.87
	86.94	68	8.90	4.754E+00	1.074E+00	1.074E+00	67.04
	87.57	68	37.00*	4.754E+00	2.584E-01	2.584E-01	67.04
TL-208	277.37	------	6.60	4.242E+00	------ Line Not Found		------
	583.19	78	85.00*	2.215E+00	2.745E-01	2.745E-01	47.64
	860.56	------	12.50	1.579E+00	------ Line Not Found		------
BI-211	72.87	------	1.23	3.467E+00	------ Line Not Found		------
	351.06	233	12.92*	3.466E+00	3.466E+00	3.466E+00	19.82
PB-212	74.82	134	10.28	3.675E+00	2.360E+00	2.360E+00	42.56
	77.11	172	17.10	3.911E+00	1.713E+00	1.713E+00	28.90
	238.63	338	43.60*	4.765E+00	1.083E+00	1.083E+00	13.76
	300.09	34	3.30	3.960E+00	1.740E+00	1.740E+00	89.01
BI-213	440.45	28	25.94*	2.837E+00	2.580E-01	2.580E-01	119.45
BI-214	609.32	180	45.49*	2.133E+00	1.236E+00	1.236E+00	22.08
	1120.29	------	14.92	1.259E+00	------ Line Not Found		------
	1764.49	29	15.30	8.587E-01	1.460E+00	1.460E+00	38.32
PB-214	74.82	134	5.80	3.675E+00	4.183E+00	4.183E+00	42.56
	77.11	172	9.70	3.911E+00	3.020E+00	3.020E+00	28.90
	87.09	68	3.41	4.754E+00	2.803E+00	2.803E+00	67.04
	242.00	92	7.25	4.721E+00	1.782E+00	1.782E+00	44.78
	295.22	134	18.42	4.026E+00	1.206E+00	1.206E+00	28.04
	351.93	233	35.60*	3.466E+00	1.258E+00	1.258E+00	19.82
RN-222	74.82	134	5.80	3.675E+00	4.183E+00	4.183E+00	42.56
	77.11	172	9.70	3.911E+00	3.020E+00	3.020E+00	28.90
	87.09	68	3.41	4.754E+00	2.803E+00	2.803E+00	67.04
	242.00	92	7.25	4.721E+00	1.782E+00	1.782E+00	44.78
	295.22	134	18.42	4.026E+00	1.206E+00	1.206E+00	28.04
	351.93	233	35.60*	3.466E+00	1.258E+00	1.258E+00	19.82
RA-224	240.99	92	4.10*	4.721E+00	3.151E+00	3.151E+00	44.78
RA-226	74.82	134	5.80	3.675E+00	4.183E+00	4.183E+00	42.56
	77.11	172	9.70	3.911E+00	3.020E+00	3.020E+00	28.90
	87.09	68	3.41	4.754E+00	2.803E+00	2.803E+00	67.04
	242.00	92	7.25	4.721E+00	1.782E+00	1.782E+00	44.78
	295.22	134	18.42	4.026E+00	1.206E+00	1.206E+00	28.04
	351.93	233	35.60*	3.466E+00	1.258E+00	1.258E+00	19.82
AC-228	338.32	80	11.27	3.585E+00	1.311E+00	1.311E+00	40.57
	911.20	77	25.80*	1.503E+00	1.320E+00	1.320E+00	35.86
	968.97	38	15.80	1.425E+00	1.112E+00	1.112E+00	53.72
RA-228	338.32	80	11.27	3.585E+00	1.311E+00	1.311E+00	40.57
	911.20	77	25.80*	1.503E+00	1.320E+00	1.320E+00	35.86
	968.97	38	15.80	1.425E+00	1.112E+00	1.112E+00	53.72
TH-228	74.82	134	10.28	3.675E+00	2.360E+00	2.360E+00	42.56
	77.11	172	17.10	3.911E+00	1.713E+00	1.713E+00	28.90
	238.63	338	43.60*	4.765E+00	1.083E+00	1.083E+00	13.76
	300.09	34	3.30	3.960E+00	1.740E+00	1.740E+00	89.01

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
TH-230	74.82	134	5.80	3.675E+00	4.183E+00	4.183E+00	42.56
	77.11	172	9.70	3.911E+00	3.020E+00	3.020E+00	28.90
	87.09	68	3.41	4.754E+00	2.803E+00	2.803E+00	67.04
	242.00	92	7.25	4.721E+00	1.782E+00	1.782E+00	44.78
	295.22	134	18.42	4.026E+00	1.206E+00	1.206E+00	28.04
	351.93	233	35.60*	3.466E+00	1.258E+00	1.258E+00	19.82
PA-231	283.69	23	1.70	4.151E+00	2.174E+00	2.174E+00	126.11
	301.36	34	5.35*	3.960E+00	1.073E+00	1.073E+00	89.01
TH-232	338.32	80	11.27	3.585E+00	1.311E+00	1.311E+00	40.57
	911.20	77	25.80*	1.503E+00	1.320E+00	1.320E+00	35.86
	968.97	38	15.80	1.425E+00	1.112E+00	1.112E+00	53.72
PA-234M	63.29	91	3.70*	2.492E+00	6.548E+00	6.548E+00	70.87
	92.59	32	4.23	5.112E+00	9.890E-01	9.890E-01	141.93
TH-234	63.29	91	3.70*	2.492E+00	6.548E+00	6.548E+00	70.87
	92.59	32	4.23	5.112E+00	9.890E-01	9.890E-01	141.93
U-234	74.82	134	5.80	3.675E+00	4.183E+00	4.183E+00	42.56
	77.11	172	9.70	3.911E+00	3.020E+00	3.020E+00	28.90
	87.09	68	3.41	4.754E+00	2.803E+00	2.803E+00	67.04
	242.00	92	7.25	4.721E+00	1.782E+00	1.782E+00	44.78
	295.22	134	18.42	4.026E+00	1.206E+00	1.206E+00	28.04
	351.93	233	35.60*	3.466E+00	1.258E+00	1.258E+00	19.82
U-235	89.96	72	3.47	4.955E+00	2.789E+00	2.789E+00	70.51
	93.35	32	5.60	5.112E+00	7.470E-01	7.470E-01	141.93
	143.76	------	10.96*	6.110E+00	------ Line Not Found		------
	163.33	------	5.08	5.920E+00	------ Line Not Found		------
	185.72	60	57.20	5.595E+00	1.242E-01	1.242E-01	87.11
	205.31	------	5.01	5.283E+00	------ Line Not Found		------
U-238	63.29	91	3.70*	2.492E+00	6.548E+00	6.548E+00	70.87
	92.59	32	4.23	5.112E+00	9.890E-01	9.890E-01	141.93
AM-243	43.53	15	5.90	5.523E-01	3.021E+00	3.021E+00	197.84
	74.66	134	67.20*	3.675E+00	3.611E-01	3.611E-01	42.56
ANH-511	511.00	24	100.00*	2.492E+00	6.498E-02	6.498E-02	169.11

Flag: "*" = Keyline

Sample ID : G733378002 Acquisition date : 12-AUG-2025 06:15:58

Total number of lines in spectrum 48
Number of unidentified lines 15
Number of lines tentatively identified by NID 33 68.75%

Nuclide Type :

Nuclide	Hlife	Decay	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
K-40	1.25E+09Y	1.00	1.655E+01	1.655E+01	0.199E+01	12.02	
CD-109	461.40D	1.05	2.584E+00	2.715E+00	1.820E+00	67.04	
SN-126	2.30E+05Y	1.00	2.584E-01	2.584E-01	1.732E-01	67.04	
TL-208	1.41E+10Y	1.00	2.745E-01	2.745E-01	1.308E-01	47.64	
BI-211	7.04E+08Y	1.00	3.466E+00	3.466E+00	0.687E+00	19.82	
PB-212	1.41E+10Y	1.00	1.083E+00	1.083E+00	0.149E+00	13.76	
BI-213	7340.00Y	1.00	2.580E-01	2.580E-01	3.082E-01	119.45	
BI-214	1600.00Y	1.00	1.236E+00	1.236E+00	0.273E+00	22.08	
PB-214	1600.00Y	1.00	1.258E+00	1.258E+00	0.249E+00	19.82	
RN-222	1600.00Y	1.00	1.258E+00	1.258E+00	0.249E+00	19.82	
RA-224	1.41E+10Y	1.00	3.151E+00	3.151E+00	1.411E+00	44.78	
RA-226	1600.00Y	1.00	1.258E+00	1.258E+00	0.249E+00	19.82	
AC-228	1.41E+10Y	1.00	1.320E+00	1.320E+00	0.473E+00	35.86	
RA-228	1.41E+10Y	1.00	1.320E+00	1.320E+00	0.473E+00	35.86	
TH-228	1.41E+10Y	1.00	1.083E+00	1.083E+00	0.149E+00	13.76	
TH-230	7.54E+04Y	1.00	1.258E+00	1.258E+00	0.249E+00	19.82	
PA-231	7.04E+08Y	1.00	1.073E+00	1.073E+00	0.955E+00	89.01	
TH-232	1.41E+10Y	1.00	1.320E+00	1.320E+00	0.473E+00	35.86	
PA-234M	4.47E+09Y	1.00	6.548E+00	6.548E+00	4.641E+00	70.87	
TH-234	4.47E+09Y	1.00	6.548E+00	6.548E+00	4.641E+00	70.87	
U-234	2.45E+05Y	1.00	1.258E+00	1.258E+00	0.249E+00	19.82	
U-235	7.04E+08Y	1.00	1.242E-01	1.242E-01	1.082E-01	87.11	K
U-238	4.47E+09Y	1.00	6.548E+00	6.548E+00	4.641E+00	70.87	
AM-243	7370.00Y	1.00	3.611E-01	3.611E-01	1.537E-01	42.56	
ANH-511	1.00E+09Y	1.00	6.498E-02	6.498E-02	10.99E-02	169.11	
			---	---			
	Total Activity :		6.145E+01	6.158E+01			

Grand Total Activity : 6.145E+01 6.158E+01

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
1	35.27	13	11	1.16	70.74	67	26	3.23E-03	****	1.07E-01	
1	37.40	6	31	1.29	75.00	67	26	1.59E-03	****	1.69E-01	
1	41.27	23	75	1.43	82.74	67	26	5.99E-03	****	3.37E-01	
0	57.49	26	140	1.47	115.16	113	10	6.80E-03	****	1.75E+00	T
0	128.53	42	158	1.89	257.23	253	11	1.12E-02	****	6.12E+00	T
0	210.15	27	96	2.81	420.43	415	10	7.28E-03	****	5.21E+00	T
1	282.10	31	32	1.66	564.30	561	15	8.60E-03	63.7	4.18E+00	
0	328.73	14	58	3.38	657.56	650	11	3.93E-03	****	3.68E+00	T
0	729.85	26	42	1.76	1459.76	1450	20	7.50E-03	****	1.82E+00	
0	756.83	10	18	0.58	1513.71	1505	13	2.83E-03	****	1.77E+00	T
0	769.35	31	25	2.04	1538.75	1530	17	9.03E-03	79.4	1.74E+00	
0	796.81	13	27	0.61	1593.68	1584	16	3.70E-03	****	1.69E+00	T
0	840.93	15	15	2.93	1681.92	1673	13	4.42E-03	****	1.61E+00	
0	936.12	8	8	1.64	1872.33	1863	11	2.34E-03	****	1.47E+00	T
0	977.91	7	12	0.81	1955.92	1948	10	1.93E-03	****	1.41E+00	
0	1019.73	13	17	3.64	2039.57	2025	17	3.69E-03	****	1.36E+00	
0	1030.93	10	2	0.63	2061.97	2058	7	2.84E-03	76.0	1.35E+00	
0	1071.50	14	6	3.29	2143.12	2138	11	3.94E-03	83.5	1.31E+00	
0	1121.99	26	31	1.02	2244.11	2236	15	7.56E-03	****	1.26E+00	T
8	1198.94	9	4	1.47	2398.04	2396	12	2.51E-03	86.2	1.19E+00	
8	1201.87	18	3	2.18	2403.89	2396	12	5.29E-03	59.5	1.19E+00	
0	1238.18	24	21	3.14	2476.54	2468	17	6.98E-03	93.3	1.16E+00	T
0	1295.43	7	8	0.54	2591.06	2581	12	2.01E-03	****	1.11E+00	
0	1365.82	4	3	1.25	2731.88	2728	6	1.11E-03	****	1.06E+00	T
0	1588.50	8	8	0.83	3177.38	3173	9	2.22E-03	****	9.37E-01	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 07:16:36.88

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*********************************************************************
*                          GEL Laboratories LLC                     *
*                            2040 Savage Road                       *
*                          Charleston, SC 29407                     *
*********************************************************************
*                                                                   *
*                       DETECTOR AND SAMPLE DATA                    *
*                                                                   *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378002.CNF;1    *
* Acquisition date : 12-AUG-2025 06:15:58 Sensitivity     : 3.000           *
* Detector ID      : GAM01                Energy tolerance: 1.500           *
* Elapsed live time:    0 01:00:00.00     Abundance limit : 75.000          *
* Elapsed real time:    0 01:00:00.35     Half life ratio : *****           *
* Sample date      : 10-JUL-2025 08:00:00 Nuclide Library : SOLID           *
* Sample ID        : G733378002           Analyst initials: RXF2            *
* Batch Number     : 2831784              Sample Quantity : 1.1265E+02 GRAM *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000      *
*                                         Dry Weight      :    0.00000      *
*********************************************************************
*                                                                   *
*                       CALIBRATION INFORMATION                     *
*                                                                   *
* Eff. Cal. date   : 23-JUN-2025 10:35:44 Eff. Geometry   : CAN             *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM01_CAN.CNF;20             *
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Combined Critical Level Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)
K-40	3.488E-01
CD-109	9.897E-01
SN-126	9.483E-02
TL-208	4.166E-02
BI-211	2.001E-01
PB-212	5.139E-02
BI-213	1.046E-01
BI-214	6.768E-02
PB-214	7.279E-02
RN-222	7.279E-02
RA-224	5.507E-01
RA-226	7.279E-02
AC-228	1.646E-01
RA-228	1.646E-01
TH-228	5.139E-02
TH-230	7.278E-02
PA-231	4.072E-01
TH-232	1.646E-01
PA-234M	1.613E+00
TH-234	1.613E+00
U-234	7.278E-02
U-235	2.116E-01
U-238	1.613E+00
AM-243	7.422E-02
ANH-511	2.984E-02

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	3.963E-01	NOT IDENT.
NA-22	3.780E-02	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF
AL-26	3.177E-02	NOT IDENT.
SC-46	4.566E-02	FAIL ABUN
V-48	1.606E-01	NOT IDENT.

CR-51	4.752E-01	NOT IDENT.
MN-52	2.369E+00	FAIL ABUN
MN-54	3.723E-02	NOT IDENT.
CO-56	4.466E-02	FAIL ABUN
MN-56	0.000E+00	SHORT HLIF
CO-57	3.007E-02	NOT IDENT.
CO-58	4.097E-02	NOT IDENT.
FE-59	1.036E-01	NOT IDENT.
CO-60	4.476E-02	NOT IDENT.
ZN-65	9.821E-02	NOT IDENT.
GE-68	1.642E+00	NOT IDENT.
AS-73	1.511E+00	NOT IDENT.
AS-74	2.232E-01	NOT IDENT.
SE-75	4.497E-02	NOT IDENT.
BR-77	0.000E+00	SHORT HLIF
SR-82	4.788E-01	NOT IDENT.
RB-83	8.240E-02	NOT IDENT.
RB-84	8.419E-02	NOT IDENT.
KR-85	8.985E+00	NOT IDENT.
SR-85	5.742E-02	NOT IDENT.
RB-86	1.871E+00	NOT IDENT.
Y-88	2.313E-02	NOT IDENT.
Y-91	2.464E+01	NOT IDENT.
NB-94	3.666E-02	NOT IDENT.
NB-95	4.500E-02	NOT IDENT.
NB-95M	1.423E-01	NOT IDENT.
ZR-95	9.646E-02	FAIL ABUN
NB-97	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	SHORT HLIF
MO-99	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	SHORT HLIF
RH-101	3.640E-02	FAIL ABUN
RH-102	5.146E-02	NOT IDENT.
RU-103	5.609E-02	FAIL ABUN
RH-106	3.102E-01	NOT IDENT.
RU-106	3.102E-01	NOT IDENT.
AG-108M	3.047E-02	NOT IDENT.
AG-110	7.904E-01	NOT IDENT.
AG-110M	4.315E-02	FAIL ABUN
SN-113	4.640E-02	NOT IDENT.
CD-115	0.000E+00	SHORT HLIF
SN-117M	1.496E-01	NOT IDENT.
SB-122	0.000E+00	SHORT HLIF
TE-123M	3.399E-02	NOT IDENT.
SB-124	9.091E-02	NOT IDENT.
SB-125	8.951E-02	NOT IDENT.
TE-125M	1.351E+01	NOT IDENT.
I-126	7.051E-01	NOT IDENT.
SB-126	3.947E-01	NOT IDENT.
SB-127	3.124E+01	NOT IDENT.
I-131	4.879E-01	FAIL ABUN
I-132	0.000E+00	SHORT HLIF
TE-132	0.000E+00	SHORT HLIF
BA-133	4.068E-02	FAIL ABUN
I-133	0.000E+00	SHORT HLIF
CS-134	5.306E-02	FAIL ABUN
I-135	0.000E+00	SHORT HLIF
CS-136	3.179E-01	NOT IDENT.
BA-137M	4.215E-02	NOT IDENT.
CS-137	4.453E-02	NOT IDENT.
LA-138	4.656E-02	NOT IDENT.
CE-139	3.366E-02	NOT IDENT.
BA-140	7.405E-01	NOT IDENT.
LA-140	1.787E-01	FAIL ABUN
CE-141	9.944E-02	NOT IDENT.
CE-143	0.000E+00	SHORT HLIF
CE-144	2.139E-01	NOT IDENT.
PM-144	4.131E-02	NOT IDENT.
PR-144	3.127E+00	NOT IDENT.
PM-146	5.013E-02	NOT IDENT.
ND-147	1.994E+00	FAIL ABUN
PM-147	8.273E+02	NOT IDENT.
PM-149	0.000E+00	SHORT HLIF
EU-150	2.981E-02	FAIL ABUN
EU-152	8.616E-02	NOT IDENT.
GD-153	1.003E-01	NOT IDENT.
EU-154	1.076E-01	FAIL ABUN
EU-155	1.257E-01	FAIL ABUN

TB-160	1.306E-01	FAIL ABUN
HO-166M	6.242E-02	FAIL ABUN
TM-171	2.644E+01	NOT IDENT.
HF-172	2.199E-01	FAIL ABUN
LU-172	6.446E-02	FAIL ABUN
LU-176	2.706E-02	FAIL ABUN
HF-181	5.847E-02	FAIL ABUN
TA-182	1.419E-01	FAIL ABUN
RE-183	3.344E-01	FAIL ABUN
RE-184	1.299E-01	NOT IDENT.
W-188	7.996E+00	FAIL ABUN
IR-192	3.930E-02	FAIL ABUN
HG-203	4.406E-02	NOT IDENT.
TL-204	6.521E+00	NOT IDENT.
BI-207	4.884E-02	FAIL ABUN
BI-210	4.441E+00	NOT IDENT.
PB-210	4.441E+00	NOT IDENT.
PB-211	8.051E-01	NOT IDENT.
BI-212	8.351E-01	NOT IDENT.
RN-219	4.621E-01	NOT IDENT.
RA-223	5.891E-01	FAIL ABUN
AC-225	2.126E+00	NOT IDENT.
AC-227	2.458E-01	NOT IDENT.
TH-227	2.458E-01	NOT IDENT.
TH-229	5.074E-01	FAIL ABUN
TH-231	5.891E-01	FAIL ABUN
PA-233	6.244E-02	FAIL ABUN
PA-234	2.687E-01	NOT IDENT.
NP-237	6.244E-02	FAIL ABUN
NP-238	0.000E+00	SHORT HLIF
NP-239	2.752E-01	NOT IDENT.
PU-239	4.410E+02	FAIL ABUN
AM-241	2.079E-01	NOT IDENT.
CM-243	1.261E-01	NOT IDENT.
BK-247	7.932E-02	NOT IDENT.
CM-247	4.031E-02	NOT IDENT.
CF-249	4.291E-02	NOT IDENT.
CF-251	1.361E-01	FAIL ABUN

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 07:16:41.10

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378002.CNF;1    *
* Acquisition date : 12-AUG-2025 06:15:58 Sensitivity     : 3.000          *
* Detector ID      : GAM01                Energy tolerance: 1.500          *
* Elapsed live time:    0 01:00:00.00     Abundance limit : 75.000         *
* Elapsed real time:    0 01:00:00.35     Half life ratio : *****          *
* Sample date      : 10-JUL-2025 08:00:00 Nuclide Library : SOLID          *
* Sample ID        : G733378002           Analyst initials: RXF2           *
* Batch Number     : 2831784              Sample Quantity : 1.1265E+02 GRAM   *
*                                         Quantity Err(%) : 1.7754E-03 %      *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000        *
*                                         Dry Weight      :    0.00000        *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 23-JUN-2025 10:35:44 Eff. Geometry   : CAN           *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM01_CAN.CNF;20          *
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Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Act Error (1.96-sigma)	TPU (1.96-sigma)
K-40	1.655E+01	2.442E+00	2.442E+00
CD-109	2.715E+00	1.820E+00	1.820E+00
SN-126	2.584E-01	1.726E-01	1.726E-01
TL-208	2.745E-01	1.312E-01	1.312E-01
BI-211	3.466E+00	7.298E-01	7.298E-01
PB-212	1.083E+00	1.707E-01	1.707E-01
BI-213	2.580E-01	3.029E-01	3.029E-01
BI-214	1.236E+00	2.963E-01	2.963E-01
PB-214	1.258E+00	2.641E-01	2.641E-01
RN-222	1.258E+00	2.641E-01	2.641E-01
RA-224	3.151E+00	1.406E+00	1.406E+00
RA-226	1.258E+00	2.641E-01	2.641E-01
AC-228	1.320E+00	4.808E-01	4.808E-01
RA-228	1.320E+00	4.808E-01	4.808E-01
TH-228	1.083E+00	1.707E-01	1.707E-01
TH-230	1.258E+00	2.641E-01	2.641E-01
PA-231	1.073E+00	9.659E-01	9.659E-01
TH-232	1.320E+00	4.808E-01	4.808E-01
PA-234M	6.548E+00	4.811E+00	4.811E+00
TH-234	6.548E+00	4.811E+00	4.811E+00
U-234	1.258E+00	2.641E-01	2.641E-01
U-235	-1.380E-01	2.597E-01	2.597E-01
U-238	6.548E+00	4.811E+00	4.811E+00
AM-243	3.611E-01	1.561E-01	1.561E-01
ANH-511	6.498E-02	1.079E-01	1.079E-01

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	2.576E-01	4.364E-01	4.516E-01	NOT IDENT.
NA-22	1.510E-02	4.074E-02	4.131E-02	NOT IDENT.
NA-24	-1.116E+14	4.191E+14	4.221E+14	SHORT HLIF
AL-26	-8.627E-03	4.168E-02	4.186E-02	NOT IDENT.
SC-46	-3.439E-03	5.355E-02	5.357E-02	FAIL ABUN

V-48	-4.553E-02	1.953E-01	1.963E-01	NOT IDENT.
CR-51	-2.423E-01	5.983E-01	6.082E-01	NOT IDENT.
MN-52	4.264E-01	2.705E+00	2.711E+00	FAIL ABUN
MN-54	-2.312E-02	5.412E-02	5.511E-02	NOT IDENT.
CO-56	2.140E-02	4.758E-02	4.855E-02	FAIL ABUN
MN-56	1.000E+41	2.144E+41	0.000E+00	SHORT HLIF
CO-57	-1.209E-02	3.548E-02	3.589E-02	NOT IDENT.
CO-58	-1.738E-02	5.062E-02	5.123E-02	NOT IDENT.
FE-59	1.159E-03	1.211E-01	1.211E-01	NOT IDENT.
CO-60	3.029E-02	4.606E-02	4.804E-02	NOT IDENT.
ZN-65	2.063E-02	1.255E-01	1.258E-01	NOT IDENT.
GE-68	9.800E-01	1.868E+00	1.919E+00	NOT IDENT.
AS-73	2.179E+00	1.684E+00	1.949E+00	NOT IDENT.
AS-74	9.128E-02	2.590E-01	2.622E-01	NOT IDENT.
SE-75	-4.374E-02	5.786E-02	6.113E-02	NOT IDENT.
BR-77	3.046E+04	2.935E+04	3.240E+04	SHORT HLIF
SR-82	-3.523E-01	6.717E-01	6.902E-01	NOT IDENT.
RB-83	2.947E-02	9.510E-02	9.602E-02	NOT IDENT.
RB-84	-1.811E-02	1.014E-01	1.018E-01	NOT IDENT.
KR-85	5.447E+00	1.134E+01	1.160E+01	NOT IDENT.
SR-85	3.477E-02	7.247E-02	7.415E-02	NOT IDENT.
RB-86	8.431E-01	2.284E+00	2.315E+00	NOT IDENT.
Y-88	-1.051E-02	3.456E-02	3.488E-02	NOT IDENT.
Y-91	1.118E+01	2.967E+01	3.009E+01	NOT IDENT.
NB-94	5.089E-03	4.424E-02	4.430E-02	NOT IDENT.
NB-95	-4.530E-02	7.481E-02	7.755E-02	NOT IDENT.
NB-95M	8.861E-02	1.592E-01	1.642E-01	NOT IDENT.
ZR-95	9.754E-02	1.809E-01	1.862E-01	FAIL ABUN
NB-97	1.000E+41	1.479E+42	0.000E+00	SHORT HLIF
ZR-97	9.515E+13	8.129E+13	9.191E+13	SHORT HLIF
MO-99	2.425E+02	1.423E+03	1.427E+03	SHORT HLIF
TC-99M	5.003E+37	1.030E+38	0.000E+00	SHORT HLIF
RH-101	6.823E-02	8.259E-02	8.813E-02	FAIL ABUN
RH-102	4.457E-03	6.211E-02	6.214E-02	NOT IDENT.
RU-103	-4.283E-03	6.858E-02	6.860E-02	FAIL ABUN
RH-106	-1.666E-01	4.109E-01	4.177E-01	NOT IDENT.
RU-106	-1.666E-01	4.109E-01	4.177E-01	NOT IDENT.
AG-108M	-1.697E-02	4.381E-02	4.447E-02	NOT IDENT.
AG-110	4.037E-01	8.942E-01	9.125E-01	NOT IDENT.
AG-110M	-1.666E-02	5.360E-02	5.412E-02	FAIL ABUN
SN-113	1.589E-02	5.327E-02	5.375E-02	NOT IDENT.
CD-115	2.531E+03	4.034E+03	4.192E+03	SHORT HLIF
SN-117M	9.542E-02	1.667E-01	1.721E-01	NOT IDENT.
SB-122	7.613E+00	2.848E+02	2.848E+02	SHORT HLIF
TE-123M	1.289E-02	3.846E-02	3.890E-02	NOT IDENT.
SB-124	-2.402E-03	1.101E-01	1.101E-01	NOT IDENT.
SB-125	-7.101E-02	1.179E-01	1.221E-01	NOT IDENT.
TE-125M	5.841E+00	1.508E+01	1.531E+01	NOT IDENT.
I-126	4.359E-01	7.987E-01	8.225E-01	NOT IDENT.
SB-126	1.821E-01	4.506E-01	4.580E-01	NOT IDENT.
SB-127	1.033E+01	3.632E+01	3.661E+01	NOT IDENT.
I-131	-2.648E-01	6.199E-01	6.312E-01	FAIL ABUN
I-132	-1.000E+41	2.651E+41	0.000E+00	SHORT HLIF
TE-132	-2.143E+00	4.185E+01	4.186E+01	SHORT HLIF
BA-133	2.731E-02	4.948E-02	5.099E-02	FAIL ABUN
I-133	-3.061E+09	1.349E+10	1.356E+10	SHORT HLIF
CS-134	6.117E-02	1.115E-01	1.149E-01	FAIL ABUN
I-135	-1.377E+35	2.730E+35	0.000E+00	SHORT HLIF
CS-136	1.714E-01	3.420E-01	3.506E-01	NOT IDENT.
BA-137M	8.181E-04	5.039E-02	5.039E-02	NOT IDENT.
CS-137	8.642E-04	5.323E-02	5.323E-02	NOT IDENT.
LA-138	-1.778E-02	6.109E-02	6.161E-02	NOT IDENT.
CE-139	7.328E-03	3.855E-02	3.869E-02	NOT IDENT.
BA-140	-2.675E-01	9.420E-01	9.497E-01	NOT IDENT.
LA-140	-2.692E-01	3.040E-01	3.273E-01	FAIL ABUN
CE-141	1.463E-02	1.163E-01	1.165E-01	NOT IDENT.
CE-143	1.653E+06	1.210E+06	1.421E+06	SHORT HLIF
CE-144	-1.048E-01	2.859E-01	2.898E-01	NOT IDENT.
PM-144	2.367E-02	4.691E-02	4.811E-02	NOT IDENT.
PR-144	1.811E+00	3.547E+00	3.640E+00	NOT IDENT.
PM-146	5.868E-02	5.283E-02	5.909E-02	NOT IDENT.
ND-147	-8.623E-01	2.545E+00	2.575E+00	FAIL ABUN
PM-147	-8.717E+01	9.585E+02	9.593E+02	NOT IDENT.
PM-149	3.638E+04	4.528E+04	4.816E+04	SHORT HLIF
EU-150	1.673E-03	3.949E-02	3.950E-02	FAIL ABUN
EU-152	-1.041E-01	1.164E-01	1.255E-01	NOT IDENT.
GD-153	-1.513E-01	1.261E-01	1.433E-01	NOT IDENT.
EU-154	4.580E-02	1.154E-01	1.172E-01	FAIL ABUN

EU-155	-4.842E-02	1.475E-01	1.491E-01	FAIL ABUN
TB-160	-6.532E-02	1.652E-01	1.678E-01	FAIL ABUN
HO-166M	-2.618E-02	8.022E-02	8.109E-02	FAIL ABUN
TM-171	1.804E+01	2.863E+01	2.976E+01	NOT IDENT.
HF-172	2.787E-03	2.819E-01	2.819E-01	FAIL ABUN
LU-172	1.985E-02	7.145E-02	7.201E-02	FAIL ABUN
LU-176	1.720E-02	3.144E-02	3.239E-02	FAIL ABUN
HF-181	1.081E-02	6.895E-02	6.912E-02	FAIL ABUN
TA-182	-2.922E-01	2.362E-01	2.704E-01	FAIL ABUN
RE-183	4.010E-01	7.061E-01	7.288E-01	FAIL ABUN
RE-184	-1.727E-01	1.900E-01	2.053E-01	NOT IDENT.
W-188	9.541E-01	1.044E+01	1.045E+01	FAIL ABUN
IR-192	1.162E-02	4.525E-02	4.556E-02	FAIL ABUN
HG-203	-7.470E-02	6.921E-02	7.697E-02	NOT IDENT.
TL-204	5.207E+00	7.814E+00	8.159E+00	NOT IDENT.
BI-207	-9.923E-03	5.918E-02	5.935E-02	FAIL ABUN
BI-210	-2.315E+00	5.786E+00	5.879E+00	NOT IDENT.
PB-210	-2.315E+00	5.786E+00	5.879E+00	NOT IDENT.
PB-211	4.825E-01	9.070E-01	9.327E-01	NOT IDENT.
BI-212	1.535E+00	8.471E-01	1.094E+00	NOT IDENT.
RN-219	1.927E-01	5.315E-01	5.385E-01	NOT IDENT.
RA-223	1.686E-01	7.551E-01	7.589E-01	FAIL ABUN
AC-225	3.725E-01	2.460E+00	2.466E+00	NOT IDENT.
AC-227	-1.156E-01	3.017E-01	3.062E-01	NOT IDENT.
TH-227	-1.156E-01	3.017E-01	3.062E-01	NOT IDENT.
TH-229	-2.707E-03	5.925E-01	5.925E-01	FAIL ABUN
TH-231	1.686E-01	7.551E-01	7.589E-01	FAIL ABUN
PA-233	6.180E-03	7.339E-02	7.344E-02	FAIL ABUN
PA-234	-1.647E-01	3.937E-01	4.006E-01	NOT IDENT.
NP-237	6.180E-03	7.339E-02	7.344E-02	FAIL ABUN
NP-238	-1.898E+03	8.887E+03	8.928E+03	SHORT HLIF
NP-239	-9.411E-02	3.238E-01	3.265E-01	NOT IDENT.
PU-239	7.214E+02	8.643E+02	9.235E+02	FAIL ABUN
AM-241	1.215E-01	2.502E-01	2.561E-01	NOT IDENT.
CM-243	1.125E-02	1.437E-01	1.438E-01	NOT IDENT.
BK-247	1.876E-02	9.171E-02	9.210E-02	NOT IDENT.
CM-247	-2.376E-03	4.865E-02	4.866E-02	NOT IDENT.
CF-249	2.271E-02	4.855E-02	4.962E-02	NOT IDENT.
CF-251	4.284E-02	1.551E-01	1.563E-01	FAIL ABUN

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

GAMMA SPECTROSCOPY BACKGROUND REPORT

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
43.53	38.1209	85.43	111.9587	133.02	93.9182
45.60	76.8644	86.55	112.0622	133.52	82.7302
46.54	75.6447	86.79	112.0842	136.00	73.9661
49.72	0.0000	86.94	112.0981	136.47	76.7983
51.35	82.1773	87.09	112.1120	140.51	0.0000
51.87	78.7253	87.57	112.1555	143.76	83.7317
52.39	69.1426	88.03	112.1978	144.24	72.4640
52.97	66.5588	88.34	112.2262	145.44	70.6329
53.44	60.9848	88.47	112.2375	152.43	75.6584
54.07	69.7065	89.96	112.3725	153.25	86.1031
57.36	0.0000	1093.63	112.4340	323.87	75.7373
57.53	73.9208	91.11	112.4759	156.02	83.3997
57.98	73.9550	92.59	112.6084	158.56	70.2350
59.27	74.0526	93.35	112.6758	159.00	72.1515
59.32	74.0565	94.56	112.7824	162.33	68.4844
59.54	74.0729	94.65	112.7906	162.66	66.5948
60.96	47.6866	94.67	112.7925	163.33	72.3300
61.17	47.6966	94.87	112.8099	165.86	68.6213
62.93	82.2876	97.43	113.0334	176.31	69.0183
63.29	82.3167	98.43	91.6818	176.60	69.0293
63.58	82.3399	98.44	91.6823	177.52	67.1453
64.28	82.3963	99.53	91.7585	181.07	0.0000
66.73	91.9154	100.11	102.7599	181.52	66.3286
67.24	94.6251	102.03	98.7918	184.41	74.1324
125.81	85.3315	103.18	88.8057	143.76	74.1833
67.75	85.3369	103.37	86.0710	193.51	60.9415
68.89	116.1290	105.31	98.1149	197.03	66.8655
69.67	119.3308	106.12	83.4930	198.01	59.1422
70.82	88.2555	106.47	78.9256	201.83	65.0841
70.83	94.9426	109.28	72.6489	203.43	63.1916
72.81	95.1143	111.00	87.4699	205.31	58.3856
72.87	95.1197	111.76	0.0000	210.85	52.6899
74.66	132.3981	114.06	70.1274	215.65	62.5924
74.82	132.4170	116.30	0.0000	218.12	60.7083
74.97	132.4343	116.74	75.8048	222.11	64.7472
77.11	132.6850	119.76	72.2566	227.09	71.7822
78.74	115.8158	121.12	80.6682	227.38	72.7752
79.69	110.5197	121.22	80.6740	228.16	0.0000
80.03	97.0697	121.78	91.8356	228.18	64.9318
80.12	97.0774	122.06	91.8533	116.74	64.9318
80.19	97.0834	122.92	90.9778	235.69	46.3990
80.57	86.3242	123.07	77.0606	235.96	46.4048
81.00	86.3560	265.00	66.8749	238.63	46.4612
81.07	110.6505	125.81	86.5026	238.98	0.0000
81.75	124.2160	127.23	87.9797	240.99	46.5104
82.47	128.3448	127.91	81.9649	242.00	46.5315
83.79	111.8061	129.30	82.0392	244.70	46.0923
84.00	111.8257	131.20	74.2070	252.40	45.7515

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.80	44.7647	345.93	35.9151	564.24	0.0000
254.15	0.0000	351.06	33.0859	569.33	40.8722
256.23	52.8016	351.93	33.0964	946.00	39.7690
260.90	0.0000	355.39	0.0000	569.70	41.9815
264.66	51.9926	356.01	21.7507	583.19	25.4988
264.80	40.9967	364.49	31.1652	584.27	25.5063
265.00	41.0000	366.42	0.0000	595.83	21.1322
269.46	58.1097	372.51	35.4180	427.87	23.3849
270.03	50.1068	375.05	32.3213	602.52	0.0000
271.23	49.1286	377.52	35.4789	604.72	18.3933
273.65	68.2476	356.01	33.4635	607.14	17.8464
276.40	35.1673	388.16	26.1815	609.32	17.8561
277.37	44.6303	388.63	28.2805	610.33	17.8607
277.60	44.6349	391.69	20.9696	614.28	16.7609
278.00	49.7699	264.66	27.3415	618.01	15.6583
279.20	58.8475	401.81	30.5081	620.36	17.9056
279.54	58.8559	402.40	33.6706	621.93	20.1519
279.70	58.8606	404.85	27.3790	630.19	0.0000
280.46	51.3300	410.95	33.7637	631.29	13.4653
283.69	35.2727	413.71	30.6261	633.25	14.5943
284.31	35.2820	414.70	21.1279	634.78	13.4771
285.41	35.2976	423.72	23.3074	635.95	10.1104
285.90	0.0000	427.09	34.9987	636.99	12.3602
287.50	39.3650	427.87	32.8858	657.50	12.4215
290.67	34.8671	433.94	30.2911	657.76	15.8104
293.27	0.0000	439.40	24.4866	657.90	0.0000
351.93	33.4116	440.45	24.4946	661.66	19.2163
295.96	33.4216	453.88	17.1100	664.57	0.0000
879.38	30.4144	463.37	33.2453	666.33	18.1055
299.98	36.5178	468.07	27.9223	666.50	15.8434
300.09	36.5193	473.00	21.5100	667.71	0.0000
300.13	36.5200	475.06	18.2946	677.62	15.8844
301.36	30.4480	476.78	22.6107	685.70	11.3676
302.85	35.0356	477.60	14.0006	692.65	0.0000
256.23	39.6308	482.18	19.4114	695.00	20.5056
304.85	35.0629	487.02	16.1987	696.49	15.9539
306.78	30.5121	492.35	0.0000	696.51	15.9545
308.46	39.6919	497.08	22.7440	697.00	17.0959
311.90	33.6298	505.52	22.7987	697.30	17.0972
316.51	29.6053	507.63	0.0000	697.49	17.0978
319.41	33.7258	511.00	22.8340	702.65	18.2591
320.08	30.6677	514.00	29.3829	706.68	11.4225
321.04	29.6561	514.00	29.3829	711.68	16.0092
323.87	27.6405	520.40	16.3525	720.70	11.4587
325.23	30.7269	520.69	0.0000	721.93	0.0000
328.76	41.5357	522.65	0.0000	722.78	8.5980
333.37	38.2164	527.90	0.0000	722.91	8.5983
333.97	43.1578	528.26	19.6663	723.31	17.1979
334.37	40.0807	529.59	32.7881	724.19	17.2015
338.28	36.0211	529.87	0.0000	727.33	14.9181
338.32	36.0218	531.02	30.6147	733.00	13.7881
311.90	37.0803	537.26	25.1909	735.93	17.2461
340.48	37.0803	546.56	0.0000	333.97	20.7026
340.55	37.0811	552.55	24.1950	739.50	0.0000
344.28	41.2565	563.25	30.8813	744.23	13.8223

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
747.24	13.8315	964.08	11.5574	1457.56	0.0000
748.06	13.8340	966.17	15.8974	1460.82	5.8630
752.31	15.5775	968.97	19.6236	1489.16	5.8857
753.82	13.8516	983.53	14.4980	1505.03	5.8986
756.73	12.7053	984.45	0.0000	1584.12	7.9482
756.80	12.7053	1274.44	11.8070	1596.21	8.9555
884.68	8.6761	1002.74	7.2744	1620.50	5.9894
765.81	20.8308	1004.73	15.4633	1621.92	7.9873
766.84	12.7331	507.63	0.0000	1678.03	0.0000
772.60	0.0000	1025.87	0.0000	1690.97	3.0216
776.52	16.2393	1028.54	0.0000	1750.46	0.0000
739.50	0.0000	1037.84	12.8097	1764.49	1.0164
778.90	18.5684	1038.76	0.0000	1063.66	7.1192
783.70	24.3958	631.29	10.0802	1771.35	3.4874
788.74	22.3289	1048.07	10.0829	1791.20	0.0000
792.07	12.2197	1049.04	11.9177	1808.65	4.0869
795.86	12.8118	1050.41	9.1699	1810.72	0.0000
810.06	15.7703	1063.66	11.0295	1836.06	2.0502
810.29	15.7709	1077.00	11.7914		
344.28	15.7714	1077.34	11.0552		
810.76	13.1438	1085.87	13.8391		
815.77	14.0347	1093.63	8.3145		
1048.07	14.9201	1099.45	8.3227		
832.01	13.2014	1112.07	12.9738		
834.85	18.3162	1112.84	13.9023		
836.80	0.0000	1115.54	11.8688		
846.75	0.0000	1120.29	17.6316		
846.77	7.9445	1120.55	17.6328		
856.80	7.9604	1221.41	17.6351		
860.56	8.8516	1129.67	11.1533		
871.09	8.8702	1131.51	0.0000		
873.19	12.4235	1147.95	0.0000		
875.33	0.0000	1173.23	12.1693		
879.38	11.5500	1177.95	11.2412		
880.51	12.4414	1189.05	14.0771		
881.60	9.7774	1204.77	7.5264		
883.24	5.3348	1221.41	16.9794		
884.68	10.6729	1231.02	10.5807		
889.28	12.4628	1235.36	16.6375		
894.76	13.3672	1238.28	18.9148		
898.04	9.8086	1260.41	0.0000		
900.72	10.7062	1271.87	6.6548		
903.28	14.2817	1274.44	4.7552		
911.20	16.9857	1274.54	4.7552		
912.08	16.9886	1291.59	13.7312		
923.98	0.0000	1298.22	0.0000		
926.50	11.6555	1312.11	10.5213		
929.11	11.4820	1332.49	4.7968		
935.54	5.7480	1362.66	0.0000		
937.49	4.3125	1365.19	8.6759		
944.13	8.0961	1368.63	0.0000		
946.00	13.4981	1384.29	9.6661		
949.00	13.5059	1408.01	5.8195		
667.71	0.0000	1434.09	5.8411		
962.31	18.9550	1435.80	5.8425		

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 08:17:31.42

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*****************************************************************************
*                            GEL Laboratories LLC                           *
*                              2040 Savage Road                             *
*                            Charleston, SC 29407                           *
*****************************************************************************
Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378003.CNF;1
Background file  : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM41.CNF;718
                                       Background date  : 10-AUG-2025 10:29:55
Sample date      : 11-JUL-2025 09:00:00 Acquisition date : 12-AUG-2025 07:16:59
Sample ID        : G733378003           Sample quantity  : 1.12610E+02 GRAM
Detector name    : GAM41                Detector geometry: CAN
Elapsed live time: 0 01:00:00.00        Elapsed real time: 0 01:00:00.32  0.0%
Energy tolerance : 1.50000 keV          Analyst Initials : RXF2
Abundance limit  : 75.00000             Sensitivity      : 3.00000
Batch ID         : 2831784              Detector SN#     :
Matrix Spike ID  :                      LCS ID           :
*****************************************************************************
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BACKGROUND CORRECTED SAMPLE PEAK REPORT

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	46.34*	27	124	0.96	93.43	90	9	7.48E-03	81.7	
2	0	63.32*	43	197	1.04	127.37	124	9	1.19E-02	65.7	
3	3	74.71	170	103	1.00	150.14	145	17	4.74E-02	12.3	1.32E+00
4	3	77.01*	281	106	1.00	154.74	145	17	7.81E-02	8.4	
5	0	92.99*	117	165	1.36	186.67	182	12	3.26E-02	26.5	
6	0	129.09	23	101	1.33	258.83	257	9	6.50E-03	79.6	
7	0	144.05*	6	64	0.87	288.73	285	6	1.59E-03	244.8	
8	0	166.66	14	38	0.52	333.93	332	5	3.77E-03	73.8	
9	5	186.06*	93	74	1.26	372.71	368	23	2.58E-02	19.9	1.67E+00
10	5	192.74	17	47	1.75	386.05	368	23	4.79E-03	90.6	
11	0	209.86	42	100	1.78	420.28	414	15	1.17E-02	53.3	
12	0	224.34*	9	49	1.06	449.24	445	7	2.39E-03	143.0	
13	6	238.78*	301	67	1.06	478.10	474	17	8.37E-02	7.1	3.44E+00
14	6	241.92	87	77	1.63	484.38	474	17	2.43E-02	25.8	
15	0	270.41	49	49	1.64	541.32	536	13	1.35E-02	32.8	
16	0	279.26	15	67	0.61	559.00	552	11	4.22E-03	108.3	
17	0	295.30	146	48	1.27	591.07	585	10	4.06E-02	12.1	
18	0	299.99*	20	45	0.80	600.45	597	8	5.57E-03	62.6	
19	0	328.88	22	39	1.29	658.19	653	10	6.00E-03	58.8	
20	0	338.56	63	26	1.21	677.55	672	10	1.74E-02	20.1	
21	0	352.15*	212	54	1.43	704.73	699	14	5.88E-02	10.2	
22	0	463.97	15	23	1.33	928.26	923	8	4.04E-03	63.7	
23	0	489.47	13	18	3.69	979.23	972	12	3.61E-03	70.9	
24	0	510.78*	19	43	1.13	1021.83	1016	13	5.16E-03	89.1	
25	0	583.87*	84	32	1.43	1167.96	1163	13	2.34E-02	18.3	
26	0	609.60*	135	34	1.22	1219.41	1214	12	3.75E-02	12.2	
27	0	727.51	41	0	1.83	1455.15	1449	13	1.14E-02	15.6	
28	0	733.89	12	6	4.23	1467.91	1462	11	3.44E-03	46.5	
29	0	796.16	10	10	1.44	1592.42	1588	7	2.75E-03	62.6	
30	0	819.44	13	2	3.37	1638.96	1634	9	3.58E-03	34.7	
31	0	836.13	9	7	1.04	1672.33	1668	7	2.50E-03	59.1	
32	0	840.70	17	3	1.67	1681.48	1678	7	4.68E-03	30.3	
33	0	911.68	43	9	0.98	1823.40	1815	13	1.19E-02	21.3	
34	0	934.88*	11	14	0.77	1869.79	1864	12	3.17E-03	74.7	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
35	0	971.65	25	18	1.04	1943.32	1933	15	6.81E-03	43.3	
36	0	1001.36*	15	6	0.86	2002.73	1996	12	4.03E-03	44.5	
37	0	1101.09	12	0	1.50	2202.17	2196	11	3.33E-03	28.9	
38	0	1120.56	38	3	1.34	2241.10	2235	13	1.04E-02	19.1	
39	0	1461.40*	104	13	1.22	2922.77	2915	17	2.88E-02	12.8	
40	0	1509.06	7	2	1.00	3018.09	3014	8	2.01E-03	49.9	
41	0	1765.41*	16	6	1.89	3530.88	3524	13	4.52E-03	41.5	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 12-AUG-2025 08:17:32

Configuration : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378003.CNF;1
Analyses by : PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4,INTERF V2.4
Sample title : RXF2
Sample date : 11-JUL-2025 09:00:00 Acquisition date : 12-AUG-2025 07:16:59
Sample ID : G733378003 Sample quantity : 112.61 GRAM
Sample type : SOLID Sample geometry :
Detector name : GAMMA41 Detector geometry: CAN
Elapsed live time: 0 01:00:00.00 Elapsed real time: 0 01:00:00.32 0.0%
Energy tolerance : 1.50 keV Half life ratio : 10.00
Errors propagated: No Systematic Error : 0.00 %
Efficiency type : Empirical Efficiencies at : Peak Energy
Abundance limit : 75.00

Interference Report

Interfering		Interfered	
Nuclide	Line	Nuclide	Line
U-235	143.76	CE-141	145.44

Nuclide Type:

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error	Status
K-40	1460.82	10.66*	8.765E-01	6.966E+00	6.966E+00	25.53	OK
MN-54	834.85	99.98*	1.454E+00	3.975E-02	4.268E-02	118.11	OK
CE-139	165.86	80.00*	5.901E+00	1.964E-02	2.306E-02	147.63	OK
HG-203	70.83	3.69	7.871E+00	-----	Line Not Found	-----	Absent
	72.87	6.19	7.876E+00	-----	Line Not Found	-----	Absent
	279.20	81.56*	4.007E+00	3.115E-02	5.011E-02	216.61	OK
TL-208	277.37	6.60	4.030E+00	-----	Line Not Found	-----	Absent
	583.19	85.00*	2.043E+00	3.158E-01	3.158E-01	36.60	OK
	860.56	12.50	1.415E+00	-----	Line Not Found	-----	Absent
BI-210	46.54	4.25*	6.953E+00	6.520E-01	6.538E-01	163.45	OK
PB-210	46.54	4.25*	6.953E+00	6.520E-01	6.538E-01	163.45	OK
BI-211	72.87	1.23	7.876E+00	-----	Line Not Found	-----	Absent
	351.06	12.92*	3.273E+00	3.325E+00	3.325E+00	20.30	OK
BI-212	727.33	6.67*	1.658E+00	2.393E+00	2.393E+00	31.23	OK
	1620.50	1.47	8.028E-01	-----	Line Not Found	-----	Absent
PB-212	74.82	10.28	7.876E+00	1.480E+00	1.480E+00	24.68	OK
	77.11	17.10	7.868E+00	1.467E+00	1.467E+00	16.88	OK
	238.63	43.60*	4.556E+00	1.022E+00	1.022E+00	14.30	OK
	300.09	3.30	3.770E+00	1.076E+00	1.076E+00	125.29	OK
BI-214	609.32	45.49*	1.961E+00	9.847E-01	9.848E-01	24.50	OK
	1120.29	14.92	1.109E+00	1.442E+00	1.442E+00	38.21	OK
	1764.49	15.30	7.478E-01	8.871E-01	8.871E-01	83.08	OK
PB-214	74.82	5.80	7.876E+00	2.624E+00	2.624E+00	24.68	OK
	77.11	9.70	7.868E+00	2.586E+00	2.586E+00	16.88	OK
	87.09	3.41	7.764E+00	-----	Line Not Found	-----	Absent
	242.00	7.25	4.509E+00	1.799E+00	1.799E+00	51.69	OK
	295.22	18.42	3.821E+00	1.388E+00	1.388E+00	24.19	OK
	351.93	35.60*	3.273E+00	1.207E+00	1.207E+00	20.30	OK
RN-222	74.82	5.80	7.876E+00	2.624E+00	2.624E+00	24.68	OK
	77.11	9.70	7.868E+00	2.586E+00	2.586E+00	16.88	OK
	87.09	3.41	7.764E+00	-----	Line Not Found	-----	Absent
	242.00	7.25	4.509E+00	1.799E+00	1.799E+00	51.69	OK
	295.22	18.42	3.821E+00	1.388E+00	1.388E+00	24.19	OK
	351.93	35.60*	3.273E+00	1.207E+00	1.207E+00	20.30	OK
RA-224	240.99	4.10*	4.509E+00	3.181E+00	3.181E+00	51.69	OK
RA-226	74.82	5.80	7.876E+00	2.624E+00	2.624E+00	24.68	OK
	77.11	9.70	7.868E+00	2.586E+00	2.586E+00	16.88	OK
	87.09	3.41	7.764E+00	-----	Line Not Found	-----	Absent
	242.00	7.25	4.509E+00	1.799E+00	1.799E+00	51.69	OK
	295.22	18.42	3.821E+00	1.388E+00	1.388E+00	24.19	OK
	351.93	35.60*	3.273E+00	1.207E+00	1.207E+00	20.30	OK
TH-228	74.82	10.28	7.876E+00	1.480E+00	1.480E+00	24.68	OK
	77.11	17.10	7.868E+00	1.467E+00	1.467E+00	16.88	OK
	238.63	43.60*	4.556E+00	1.022E+00	1.022E+00	14.30	OK
	300.09	3.30	3.770E+00	1.076E+00	1.076E+00	125.29	OK
TH-230	74.82	5.80	7.876E+00	2.624E+00	2.624E+00	24.68	OK
	77.11	9.70	7.868E+00	2.586E+00	2.586E+00	16.88	OK
	87.09	3.41	7.764E+00	-----	Line Not Found	-----	Absent
	242.00	7.25	4.509E+00	1.799E+00	1.799E+00	51.69	OK

Nuclide Type:

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error	Status
	295.22	18.42	3.821E+00	1.388E+00	1.388E+00	24.19	OK
	351.93	35.60*	3.273E+00	1.207E+00	1.207E+00	20.30	OK
PA-231	283.69	1.70	3.954E+00	----- Line Not Found		-----	Absent
	301.36	5.35*	3.770E+00	6.637E-01	6.637E-01	125.29	OK
PA-234M	63.29	3.70*	7.781E+00	1.049E+00	1.049E+00	131.36	OK
	92.59	4.23	7.664E+00	2.522E+00	2.522E+00	52.96	OK
TH-234	63.29	3.70*	7.781E+00	1.049E+00	1.049E+00	131.36	OK
	92.59	4.23	7.664E+00	2.522E+00	2.522E+00	52.96	OK
U-234	74.82	5.80	7.876E+00	2.624E+00	2.624E+00	24.68	OK
	77.11	9.70	7.868E+00	2.586E+00	2.586E+00	16.88	OK
	87.09	3.41	7.764E+00	----- Line Not Found		-----	Absent
	242.00	7.25	4.509E+00	1.799E+00	1.799E+00	51.69	OK
	295.22	18.42	3.821E+00	1.388E+00	1.388E+00	24.19	OK
	351.93	35.60*	3.273E+00	1.207E+00	1.207E+00	20.30	OK
U-235	89.96	3.47	7.718E+00	----- Line Not Found		-----	Absent
	93.35	5.60	7.664E+00	1.905E+00	1.905E+00	52.96	OK
	143.76	10.96*	6.436E+00	5.562E-02	5.562E-02	489.59	OK
	163.33	5.08	5.977E+00	----- Line Not Found		-----	Absent
	185.72	57.20	5.485E+00	2.014E-01	2.014E-01	39.81	OK
	205.31	5.01	5.114E+00	----- Line Not Found		-----	Absent
U-238	63.29	3.70*	7.781E+00	1.049E+00	1.049E+00	131.36	OK
	92.59	4.23	7.664E+00	2.522E+00	2.522E+00	52.96	OK
AM-243	43.53	5.90	6.691E+00	----- Line Not Found		-----	Absent
	74.66	67.20*	7.876E+00	2.265E-01	2.265E-01	24.68	OK
ANH-511	511.00	100.00*	2.320E+00	5.244E-02	5.244E-02	178.29	OK

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 08:17:33.86

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*****************************************************************************
*                            GEL Laboratories LLC                           *
*                              2040 Savage Road                             *
*                            Charleston, SC 29407                           *
*****************************************************************************
*                                                                           *
*                          DETECTOR AND SAMPLE DATA                         *
*                                                                           *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378003.CNF;1   *
* Acquisition date : 12-AUG-2025 07:16:59 Sensitivity     : 3.000           *
* Detector ID      : GAM41                Energy tolerance: 1.500           *
* Elapsed live time:    0 01:00:00.00     Abundance limit : 75.000          *
* Elapsed real time:    0 01:00:00.32     Half life ratio : *****           *
* Sample date      : 11-JUL-2025 09:00:00 Analyst initials: RXF2            *
* Sample ID        : G733378003           Sample Quantity : 1.1261E+02 GRAM *
* Batch Number     : 2831784              Wet Weight      :    0.00000      *
* Wet wt corr      :    1.00000           Dry Weight      :    0.00000      *
* Nuclide Library  : SOLID.NLB;19                                           *
*****************************************************************************
*                                                                           *
*                          CALIBRATION INFORMATION                          *
*                                                                           *
* Eff. Cal. date   :  5-SEP-2024 06:18:38 Eff. Geometry   : CAN             *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM41_CAN.CNF;12            *
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Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Cnt uncert (1.96-sigma)	MDA (pCi/GRAM)
K-40	6.966E+00	1.743E+00	1.091E+00
MN-54	4.268E-02	4.940E-02	7.335E-02
CE-139	2.306E-02	3.337E-02	6.419E-02
HG-203	5.011E-02	1.064E-01	9.689E-02
TL-208	3.158E-01	1.133E-01	7.783E-02
BI-210	6.538E-01	1.047E+00	7.710E-01
PB-210	6.538E-01	1.047E+00	7.710E-01
BI-211	3.325E+00	6.614E-01	3.848E-01
BI-212	2.393E+00	7.326E-01	8.826E-01
PB-212	1.022E+00	1.431E-01	1.163E-01
BI-214	9.848E-01	2.364E-01	1.784E-01
PB-214	1.207E+00	2.401E-01	1.400E-01
RN-222	1.207E+00	2.401E-01	1.400E-01
RA-224	3.181E+00	1.611E+00	1.248E+00
RA-226	1.207E+00	2.401E-01	1.400E-01
TH-228	1.022E+00	1.431E-01	1.163E-01
TH-230	1.207E+00	2.400E-01	1.400E-01
PA-231	6.637E-01	8.149E-01	1.006E+00
PA-234M	1.049E+00	1.351E+00	1.056E+00
TH-234	1.049E+00	1.351E+00	1.056E+00
U-234	1.207E+00	2.400E-01	1.400E-01
U-235	5.562E-02	2.668E-01	3.455E-01
U-238	1.049E+00	1.351E+00	1.056E+00
AM-243	2.265E-01	5.477E-02	5.685E-02
ANH-511	5.244E-02	9.163E-02	7.264E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	-1.951E-01	4.089E-01	7.439E-01	NOT IDENT.
NA-22	-6.239E-02	5.615E-02	8.305E-02	NOT IDENT.
NA-24	0.000E+00	1.128E+14	0.000E+00	SHORT HLIF
AL-26	-3.279E-02	4.085E-02	6.664E-02	NOT IDENT.
SC-46	1.746E-02	4.701E-02	1.050E-01	FAIL ABUN

V-48	-1.206E-01	1.730E-01	3.053E-01	NOT IDENT.
CR-51	-3.672E-02	5.544E-01	1.085E+00	NOT IDENT.
MN-52	8.844E-01	3.003E+00	6.384E+00	FAIL ABUN
CO-56	4.616E-02	4.683E-02	1.118E-01	NOT IDENT.
MN-56	0.000E+00	1.015E+41	0.000E+00	SHORT HLIF
CO-57	2.012E-03	2.097E-02	3.922E-02	NOT IDENT.
CO-58	3.242E-02	5.979E-02	1.248E-01	NOT IDENT.
FE-59	3.174E-03	1.154E-01	2.205E-01	NOT IDENT.
CO-60	2.277E-02	4.715E-02	1.080E-01	NOT IDENT.
ZN-65	4.339E-02	1.210E-01	2.344E-01	NOT IDENT.
GE-68	4.673E-01	1.584E+00	3.390E+00	NOT IDENT.
AS-73	8.050E-02	2.077E-01	4.228E-01	NOT IDENT.
AS-74	-7.477E-02	2.003E-01	3.635E-01	NOT IDENT.
SE-75	-7.638E-03	4.937E-02	8.696E-02	FAIL ABUN
BR-77	0.000E+00	3.008E+03	0.000E+00	SHORT HLIF
SR-82	-8.415E-02	7.531E-01	1.385E+00	NOT IDENT.
RB-83	-3.076E-02	8.897E-02	1.641E-01	NOT IDENT.
RB-84	-2.523E-03	9.711E-02	2.042E-01	NOT IDENT.
KR-85	6.438E+00	1.046E+01	1.938E+01	NOT IDENT.
SR-85	4.070E-02	6.616E-02	1.226E-01	NOT IDENT.
RB-86	2.325E-01	1.810E+00	3.754E+00	NOT IDENT.
Y-88	-1.972E-02	6.284E-02	1.272E-01	NOT IDENT.
Y-91	-3.207E+01	2.506E+01	3.296E+01	NOT IDENT.
NB-94	2.527E-02	5.110E-02	1.011E-01	NOT IDENT.
NB-95	2.931E-02	7.309E-02	1.436E-01	NOT IDENT.
NB-95M	-5.255E-02	1.786E-01	2.806E-01	NOT IDENT.
ZR-95	2.564E-02	1.079E-01	2.146E-01	NOT IDENT.
NB-97	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	2.677E+13	0.000E+00	SHORT HLIF
MO-99	0.000E+00	9.218E+02	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	5.590E+36	0.000E+00	SHORT HLIF
RH-101	7.541E-03	3.078E-02	5.429E-02	NOT IDENT.
RH-102	-4.411E-02	6.512E-02	1.102E-01	NOT IDENT.
RU-103	6.316E-02	5.087E-02	1.203E-01	FAIL ABUN
RH-106	-6.717E-02	4.105E-01	7.642E-01	NOT IDENT.
RU-106	-6.717E-02	4.105E-01	7.642E-01	NOT IDENT.
AG-108M	1.128E-02	3.647E-02	7.272E-02	NOT IDENT.
CD-109	1.726E-01	6.537E-01	1.227E+00	NOT IDENT.
AG-110	8.333E-02	9.393E-01	1.824E+00	NOT IDENT.
AG-110M	2.621E-02	5.843E-02	1.299E-01	NOT IDENT.
SN-113	-1.560E-02	6.198E-02	1.158E-01	NOT IDENT.
CD-115	0.000E+00	2.062E+03	0.000E+00	SHORT HLIF
SN-117M	-5.858E-02	1.156E-01	2.015E-01	NOT IDENT.
SB-122	0.000E+00	1.618E+02	0.000E+00	SHORT HLIF
TE-123M	-2.041E-02	2.786E-02	4.729E-02	NOT IDENT.
SB-124	-1.202E-01	1.381E-01	1.912E-01	NOT IDENT.
SB-125	-1.678E-02	9.423E-02	1.806E-01	FAIL ABUN
TE-125M	-9.026E-01	9.509E+00	1.768E+01	NOT IDENT.
I-126	8.437E-01	6.563E-01	1.499E+00	NOT IDENT.
SB-126	1.467E-03	3.955E-01	7.712E-01	NOT IDENT.
SN-126	1.291E-01	6.374E-02	1.312E-01	FAIL ABUN
SB-127	3.033E+01	3.452E+01	7.482E+01	NOT IDENT.
I-131	-4.602E-01	4.080E-01	6.736E-01	NOT IDENT.
I-132	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
TE-132	-1.583E+01	2.908E+01	4.912E+01	NOT IDENT.
BA-133	-6.998E-03	4.830E-02	8.331E-02	NOT IDENT.
I-133	0.000E+00	4.566E+09	0.000E+00	SHORT HLIF
CS-134	5.040E-02	6.182E-02	1.253E-01	FAIL ABUN
I-135	0.000E+00	1.783E+34	0.000E+00	SHORT HLIF
CS-136	1.429E-01	2.472E-01	5.864E-01	FAIL ABUN
BA-137M	6.831E-03	4.235E-02	8.348E-02	NOT IDENT.
CS-137	7.216E-03	4.474E-02	8.819E-02	NOT IDENT.
LA-138	8.973E-02	8.481E-02	2.064E-01	NOT IDENT.
BA-140	-6.524E-01	8.460E-01	1.435E+00	NOT IDENT.
LA-140	-2.588E-01	3.456E-01	5.513E-01	FAIL ABUN
CE-141	2.495E-02	1.197E-01	1.427E-01	FAIL ABUN
CE-143	0.000E+00	5.968E+05	0.000E+00	SHORT HLIF
CE-144	-1.892E-02	1.833E-01	3.126E-01	NOT IDENT.
PM-144	-4.225E-03	4.455E-02	8.285E-02	NOT IDENT.
PR-144	-3.190E-01	3.364E+00	6.256E+00	NOT IDENT.
PM-146	8.107E-03	4.958E-02	9.790E-02	NOT IDENT.
ND-147	2.885E-01	1.805E+00	3.604E+00	NOT IDENT.
PM-147	-2.698E+01	6.315E+02	1.161E+03	NOT IDENT.
PM-149	0.000E+00	1.965E+04	0.000E+00	SHORT HLIF
EU-150	6.147E-03	2.442E-02	4.619E-02	FAIL ABUN
EU-152	-4.372E-02	8.812E-02	1.640E-01	NOT IDENT.
GD-153	-3.675E-02	7.007E-02	1.161E-01	NOT IDENT.
EU-154	-1.753E-01	1.577E-01	2.333E-01	NOT IDENT.

EU-155	7.559E-02	8.192E-02	1.660E-01	NOT IDENT.
TB-160	-4.501E-02	1.519E-01	3.022E-01	FAIL ABUN
HO-166M	1.009E-01	7.161E-02	1.686E-01	FAIL ABUN
TM-171	-2.131E+00	3.487E+00	6.574E+00	NOT IDENT.
HF-172	1.358E-01	1.630E-01	3.267E-01	FAIL ABUN
LU-172	8.954E-02	7.722E-02	1.879E-01	FAIL ABUN
LU-176	-1.445E-02	2.960E-02	5.035E-02	NOT IDENT.
HF-181	6.849E-03	6.030E-02	1.204E-01	NOT IDENT.
TA-182	-1.676E-01	2.137E-01	3.548E-01	FAIL ABUN
RE-183	-2.399E-02	6.938E-02	1.309E-01	NOT IDENT.
RE-184	2.419E-02	1.797E-01	3.852E-01	NOT IDENT.
W-188	-2.446E+00	1.041E+01	1.632E+01	FAIL ABUN
IR-192	1.023E-02	4.100E-02	8.276E-02	FAIL ABUN
TL-204	9.312E-01	2.728E+00	4.948E+00	NOT IDENT.
BI-207	-1.756E-02	5.674E-02	1.097E-01	FAIL ABUN
PB-211	9.736E-02	7.837E-01	1.546E+00	NOT IDENT.
BI-213	8.864E-02	1.240E-01	2.595E-01	NOT IDENT.
RN-219	2.769E-01	4.242E-01	8.949E-01	FAIL ABUN
RA-223	3.444E-01	6.383E-01	1.239E+00	FAIL ABUN
AC-225	-1.374E+00	1.872E+00	3.080E+00	NOT IDENT.
AC-227	1.701E-01	2.293E-01	4.590E-01	FAIL ABUN
TH-227	1.701E-01	2.293E-01	4.590E-01	FAIL ABUN
AC-228	0.000E+00	3.317E-01	6.567E-01	FAIL ABUN
RA-228	0.000E+00	3.317E-01	6.567E-01	FAIL ABUN
TH-229	4.964E-01	8.810E-01	9.110E-01	FAIL ABUN
TH-231	3.444E-01	6.383E-01	1.239E+00	FAIL ABUN
TH-232	0.000E+00	3.317E-01	6.567E-01	FAIL ABUN
PA-233	-1.890E-02	7.573E-02	1.292E-01	FAIL ABUN
PA-234	9.431E-02	3.695E-01	7.831E-01	FAIL ABUN
NP-237	-1.890E-02	7.573E-02	1.292E-01	FAIL ABUN
NP-238	0.000E+00	5.801E+03	0.000E+00	SHORT HLIF
NP-239	1.042E-01	2.139E-01	4.190E-01	NOT IDENT.
PU-239	3.753E+02	5.853E+02	6.371E+02	FAIL ABUN
AM-241	7.274E-03	5.337E-02	1.034E-01	NOT IDENT.
CM-243	-1.537E-02	7.568E-02	1.406E-01	NOT IDENT.
BK-247	1.050E-04	7.509E-02	1.361E-01	NOT IDENT.
CM-247	2.384E-02	4.122E-02	8.543E-02	FAIL ABUN
CF-249	2.779E-02	4.275E-02	8.971E-02	NOT IDENT.
CF-251	-6.780E-02	1.144E-01	1.957E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 08:17:32.27

Nuclide Line Activity Report

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
K-40	1460.82	98	10.66*	8.765E-01	6.966E+00	6.966E+00	25.53
MN-54	834.85	9	99.98*	1.454E+00	3.975E-02	4.268E-02	118.11
CE-139	165.86	14	80.00*	5.901E+00	1.964E-02	2.306E-02	147.63
CE-141	145.44	6	48.29*	6.436E+00	1.262E-02	2.495E-02	489.59
HG-203	70.83	------	3.69	7.871E+00	------ Line Not Found		------
	72.87	------	6.19	7.876E+00	------ Line Not Found		------
	279.20	15	81.56*	4.007E+00	3.115E-02	5.011E-02	216.61
TL-208	277.37	------	6.60	4.030E+00	------ Line Not Found		------
	583.19	82	85.00*	2.043E+00	3.158E-01	3.158E-01	36.60
	860.56	------	12.50	1.415E+00	------ Line Not Found		------
BI-210	46.54	29	4.25*	6.953E+00	6.520E-01	6.538E-01	163.45
PB-210	46.54	29	4.25*	6.953E+00	6.520E-01	6.538E-01	163.45
BI-211	72.87	------	1.23	7.876E+00	------ Line Not Found		------
	351.06	211	12.92*	3.273E+00	3.325E+00	3.325E+00	20.30
BI-212	727.33	40	6.67*	1.658E+00	2.393E+00	2.393E+00	31.23
	1620.50	------	1.47	8.028E-01	------ Line Not Found		------
PB-212	74.82	180	10.28	7.876E+00	1.480E+00	1.480E+00	24.68
	77.11	296	17.10	7.868E+00	1.467E+00	1.467E+00	16.88
	238.63	304	43.60*	4.556E+00	1.022E+00	1.022E+00	14.30
	300.09	20	3.30	3.770E+00	1.076E+00	1.076E+00	125.29
BI-214	609.32	132	45.49*	1.961E+00	9.847E-01	9.848E-01	24.50
	1120.29	36	14.92	1.109E+00	1.442E+00	1.442E+00	38.21
	1764.49	15	15.30	7.478E-01	8.871E-01	8.871E-01	83.08
PB-214	74.82	180	5.80	7.876E+00	2.624E+00	2.624E+00	24.68
	77.11	296	9.70	7.868E+00	2.586E+00	2.586E+00	16.88
	87.09	------	3.41	7.764E+00	------ Line Not Found		------
	242.00	88	7.25	4.509E+00	1.799E+00	1.799E+00	51.69
	295.22	147	18.42	3.821E+00	1.388E+00	1.388E+00	24.19
	351.93	211	35.60*	3.273E+00	1.207E+00	1.207E+00	20.30
RN-222	74.82	180	5.80	7.876E+00	2.624E+00	2.624E+00	24.68
	77.11	296	9.70	7.868E+00	2.586E+00	2.586E+00	16.88
	87.09	------	3.41	7.764E+00	------ Line Not Found		------
	242.00	88	7.25	4.509E+00	1.799E+00	1.799E+00	51.69
	295.22	147	18.42	3.821E+00	1.388E+00	1.388E+00	24.19
	351.93	211	35.60*	3.273E+00	1.207E+00	1.207E+00	20.30
RA-224	240.99	88	4.10*	4.509E+00	3.181E+00	3.181E+00	51.69
RA-226	74.82	180	5.80	7.876E+00	2.624E+00	2.624E+00	24.68
	77.11	296	9.70	7.868E+00	2.586E+00	2.586E+00	16.88
	87.09	------	3.41	7.764E+00	------ Line Not Found		------
	242.00	88	7.25	4.509E+00	1.799E+00	1.799E+00	51.69
	295.22	147	18.42	3.821E+00	1.388E+00	1.388E+00	24.19
	351.93	211	35.60*	3.273E+00	1.207E+00	1.207E+00	20.30
TH-228	74.82	180	10.28	7.876E+00	1.480E+00	1.480E+00	24.68
	77.11	296	17.10	7.868E+00	1.467E+00	1.467E+00	16.88
	238.63	304	43.60*	4.556E+00	1.022E+00	1.022E+00	14.30
	300.09	20	3.30	3.770E+00	1.076E+00	1.076E+00	125.29
TH-230	74.82	180	5.80	7.876E+00	2.624E+00	2.624E+00	24.68

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	77.11	296	9.70	7.868E+00	2.586E+00	2.586E+00	16.88
	87.09	------	3.41	7.764E+00	------ Line Not Found		------
	242.00	88	7.25	4.509E+00	1.799E+00	1.799E+00	51.69
	295.22	147	18.42	3.821E+00	1.388E+00	1.388E+00	24.19
	351.93	211	35.60*	3.273E+00	1.207E+00	1.207E+00	20.30
PA-231	283.69	------	1.70	3.954E+00	------ Line Not Found		------
	301.36	20	5.35*	3.770E+00	6.637E-01	6.637E-01	125.29
PA-234M	63.29	45	3.70*	7.781E+00	1.049E+00	1.049E+00	131.36
	92.59	123	4.23	7.664E+00	2.522E+00	2.522E+00	52.96
TH-234	63.29	45	3.70*	7.781E+00	1.049E+00	1.049E+00	131.36
	92.59	123	4.23	7.664E+00	2.522E+00	2.522E+00	52.96
U-234	74.82	180	5.80	7.876E+00	2.624E+00	2.624E+00	24.68
	77.11	296	9.70	7.868E+00	2.586E+00	2.586E+00	16.88
	87.09	------	3.41	7.764E+00	------ Line Not Found		------
	242.00	88	7.25	4.509E+00	1.799E+00	1.799E+00	51.69
	295.22	147	18.42	3.821E+00	1.388E+00	1.388E+00	24.19
	351.93	211	35.60*	3.273E+00	1.207E+00	1.207E+00	20.30
U-235	89.96	------	3.47	7.718E+00	------ Line Not Found		------
	93.35	123	5.60	7.664E+00	1.905E+00	1.905E+00	52.96
	143.76	6	10.96*	6.436E+00	5.562E-02	5.562E-02	489.59
	163.33	------	5.08	5.977E+00	------ Line Not Found		------
	185.72	95	57.20	5.485E+00	2.014E-01	2.014E-01	39.81
	205.31	------	5.01	5.114E+00	------ Line Not Found		------
U-238	63.29	45	3.70*	7.781E+00	1.049E+00	1.049E+00	131.36
	92.59	123	4.23	7.664E+00	2.522E+00	2.522E+00	52.96
AM-243	43.53	------	5.90	6.691E+00	------ Line Not Found		------
	74.66	180	67.20*	7.876E+00	2.265E-01	2.265E-01	24.68
ANH-511	511.00	18	100.00*	2.320E+00	5.244E-02	5.244E-02	178.29

Flag: "*" = Keyline

Sample ID : G733378003 Acquisition date : 12-AUG-2025 07:16:59

Total number of lines in spectrum 41
Number of unidentified lines 6
Number of lines tentatively identified by NID 35 85.37%

Nuclide Type :

Nuclide	Hlife	Decay	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
K-40	1.25E+09Y	1.00	6.966E+00	6.966E+00	1.779E+00	25.53	
MN-54	312.05D	1.07	3.975E-02	4.268E-02	5.041E-02	118.11	
CE-139	137.64D	1.17	1.964E-02	2.306E-02	3.405E-02	147.63	
CE-141	32.51D	1.98	1.262E-02	2.495E-02	12.21E-02	489.59	
HG-203	46.59D	1.61	3.115E-02	5.011E-02	10.85E-02	216.61	
TL-208	1.41E+10Y	1.00	3.158E-01	3.158E-01	1.156E-01	36.60	
BI-210	22.20Y	1.00	6.520E-01	6.538E-01	10.69E-01	163.45	
PB-210	22.20Y	1.00	6.520E-01	6.538E-01	10.69E-01	163.45	
BI-211	7.04E+08Y	1.00	3.325E+00	3.325E+00	0.675E+00	20.30	
BI-212	1.41E+10Y	1.00	2.393E+00	2.393E+00	0.748E+00	31.23	
PB-212	1.41E+10Y	1.00	1.022E+00	1.022E+00	0.146E+00	14.30	
BI-214	1600.00Y	1.00	9.847E-01	9.848E-01	2.412E-01	24.50	
PB-214	1600.00Y	1.00	1.207E+00	1.207E+00	0.245E+00	20.30	
RN-222	1600.00Y	1.00	1.207E+00	1.207E+00	0.245E+00	20.30	
RA-224	1.41E+10Y	1.00	3.181E+00	3.181E+00	1.644E+00	51.69	
RA-226	1600.00Y	1.00	1.207E+00	1.207E+00	0.245E+00	20.30	
TH-228	1.41E+10Y	1.00	1.022E+00	1.022E+00	0.146E+00	14.30	
TH-230	7.54E+04Y	1.00	1.207E+00	1.207E+00	0.245E+00	20.30	
PA-231	7.04E+08Y	1.00	6.637E-01	6.637E-01	8.316E-01	125.29	
PA-234M	4.47E+09Y	1.00	1.049E+00	1.049E+00	1.378E+00	131.36	
TH-234	4.47E+09Y	1.00	1.049E+00	1.049E+00	1.378E+00	131.36	
U-234	2.45E+05Y	1.00	1.207E+00	1.207E+00	0.245E+00	20.30	
U-235	7.04E+08Y	1.00	5.562E-02	5.562E-02	27.23E-02	489.59	
U-238	4.47E+09Y	1.00	1.049E+00	1.049E+00	1.378E+00	131.36	
AM-243	7370.00Y	1.00	2.265E-01	2.265E-01	0.559E-01	24.68	
ANH-511	1.00E+09Y	1.00	5.244E-02	5.244E-02	9.350E-02	178.29	
			---	---			
	Total Activity :		3.079E+01	3.084E+01			
	Grand Total Activity :		3.079E+01	3.084E+01			

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

Sample ID : G733378003 Acquisition date : 12-AUG-2025 07:16:59

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
0	129.09	24	104	1.33	258.83	257	9	6.50E-03	****	6.81E+00	T
5	192.74	18	48	1.75	386.05	368	23	4.79E-03	****	5.35E+00	T
0	209.86	43	101	1.78	420.28	414	15	1.17E-02	****	5.03E+00	T
0	224.34	9	50	1.06	449.24	445	7	2.39E-03	****	4.78E+00	
0	270.41	49	50	1.64	541.32	536	13	1.35E-02	65.7	4.12E+00	T
0	328.88	22	39	1.29	658.19	653	10	6.00E-03	****	3.48E+00	T
0	338.56	62	26	1.21	677.55	672	10	1.74E-02	40.2	3.39E+00	T
0	463.97	14	23	1.33	928.26	923	8	4.04E-03	****	2.54E+00	T
0	489.47	13	18	3.69	979.23	972	12	3.61E-03	****	2.41E+00	
0	733.89	12	5	4.23	1467.91	1462	11	3.44E-03	92.9	1.64E+00	T
0	796.16	10	10	1.44	1592.42	1588	7	2.75E-03	****	1.52E+00	T
0	819.44	12	2	3.37	1638.96	1634	9	3.58E-03	69.4	1.48E+00	T
0	840.70	16	3	1.67	1681.48	1678	7	4.68E-03	60.7	1.45E+00	
0	911.68	41	9	0.98	1823.40	1815	13	1.19E-02	42.6	1.34E+00	T
0	934.88	11	14	0.77	1869.79	1864	12	3.17E-03	****	1.31E+00	T
0	971.65	23	17	1.04	1943.32	1933	15	6.81E-03	86.5	1.26E+00	
0	1001.36	14	5	0.86	2002.73	1996	12	4.03E-03	89.0	1.23E+00	T
0	1101.09	11	0	1.50	2202.17	2196	11	3.33E-03	57.7	1.13E+00	
0	1509.06	7	2	1.00	3018.09	3014	8	2.01E-03	99.8	8.53E-01	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 08:17:45.60

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*********************************************************************************
*                            GEL Laboratories LLC                                 *
*                              2040 Savage Road                                   *
*                            Charleston, SC 29407                                 *
*********************************************************************************
*                                                                                *
*                           DETECTOR AND SAMPLE DATA                             *
*                                                                                *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378003.CNF;1       *
* Acquisition date : 12-AUG-2025 07:16:59 Sensitivity     : 3.000                *
* Detector ID      : GAM41                Energy tolerance: 1.500                *
* Elapsed live time:    0 01:00:00.00     Abundance limit : 75.000               *
* Elapsed real time:    0 01:00:00.32     Half life ratio : *****                *
* Sample date      : 11-JUL-2025 09:00:00 Nuclide Library : SOLID                *
* Sample ID        : G733378003           Analyst initials: RXF2                 *
* Batch Number     : 2831784              Sample Quantity : 1.1261E+02 GRAM      *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000           *
*                                         Dry Weight      :    0.00000           *
*********************************************************************************
*                                                                                *
*                           CALIBRATION INFORMATION                              *
*                                                                                *
* Eff. Cal. date   :  5-SEP-2024 06:18:38 Eff. Geometry   : CAN                  *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM41_CAN.CNF;12                 *
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Combined Critical Level Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)
K-40	4.495E-01
MN-54	3.003E-02
CE-139	2.984E-02
HG-203	4.398E-02
TL-208	3.372E-02
BI-210	3.544E-01
PB-210	3.544E-01
BI-211	1.711E-01
BI-212	3.597E-01
PB-212	5.359E-02
BI-214	7.907E-02
PB-214	6.224E-02
RN-222	6.224E-02
RA-224	5.751E-01
RA-226	6.224E-02
TH-228	5.359E-02
TH-230	6.224E-02
PA-231	4.579E-01
PA-234M	4.961E-01
TH-234	4.961E-01
U-234	6.224E-02
U-235	1.598E-01
U-238	4.961E-01
AM-243	2.670E-02
ANH-511	3.243E-02

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	3.188E-01	NOT IDENT.
NA-22	3.221E-02	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF
AL-26	2.106E-02	NOT IDENT.
SC-46	4.397E-02	FAIL ABUN
V-48	1.238E-01	NOT IDENT.

CR-51	4.853E-01	NOT IDENT.
MN-52	2.663E+00	FAIL ABUN
CO-56	4.756E-02	NOT IDENT.
MN-56	0.000E+00	SHORT HLIF
CO-57	1.796E-02	NOT IDENT.
CO-58	5.413E-02	NOT IDENT.
FE-59	8.704E-02	NOT IDENT.
CO-60	4.445E-02	NOT IDENT.
ZN-65	9.975E-02	NOT IDENT.
GE-68	1.431E+00	NOT IDENT.
AS-73	1.956E-01	NOT IDENT.
AS-74	1.552E-01	NOT IDENT.
SE-75	3.906E-02	FAIL ABUN
BR-77	0.000E+00	SHORT HLIF
SR-82	6.009E-01	NOT IDENT.
RB-83	7.064E-02	NOT IDENT.
RB-84	8.354E-02	NOT IDENT.
KR-85	8.785E+00	NOT IDENT.
SR-85	5.556E-02	NOT IDENT.
RB-86	1.580E+00	NOT IDENT.
Y-88	4.827E-02	NOT IDENT.
Y-91	1.162E+01	NOT IDENT.
NB-94	4.529E-02	NOT IDENT.
NB-95	6.375E-02	NOT IDENT.
NB-95M	1.291E-01	NOT IDENT.
ZR-95	9.266E-02	NOT IDENT.
NB-97	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	SHORT HLIF
MO-99	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	SHORT HLIF
RH-101	2.515E-02	NOT IDENT.
RH-102	4.646E-02	NOT IDENT.
RU-103	5.281E-02	FAIL ABUN
RH-106	3.320E-01	NOT IDENT.
RU-106	3.320E-01	NOT IDENT.
AG-108M	3.267E-02	NOT IDENT.
CD-109	5.804E-01	NOT IDENT.
AG-110	7.922E-01	NOT IDENT.
AG-110M	5.513E-02	NOT IDENT.
SN-113	5.224E-02	NOT IDENT.
CD-115	0.000E+00	SHORT HLIF
SN-117M	9.195E-02	NOT IDENT.
SB-122	0.000E+00	SHORT HLIF
TE-123M	2.150E-02	NOT IDENT.
SB-124	6.042E-02	NOT IDENT.
SB-125	7.895E-02	FAIL ABUN
TE-125M	8.162E+00	NOT IDENT.
I-126	6.654E-01	NOT IDENT.
SB-126	3.254E-01	NOT IDENT.
SN-126	6.243E-02	FAIL ABUN
SB-127	3.302E+01	NOT IDENT.
I-131	2.815E-01	NOT IDENT.
I-132	0.000E+00	SHORT HLIF
TE-132	2.235E+01	NOT IDENT.
BA-133	3.713E-02	NOT IDENT.
I-133	0.000E+00	SHORT HLIF
CS-134	5.555E-02	FAIL ABUN
I-135	0.000E+00	SHORT HLIF
CS-136	2.419E-01	FAIL ABUN
BA-137M	3.620E-02	NOT IDENT.
CS-137	3.824E-02	NOT IDENT.
LA-138	8.784E-02	NOT IDENT.
BA-140	6.222E-01	NOT IDENT.
LA-140	2.100E-01	FAIL ABUN
CE-141	6.552E-02	FAIL ABUN
CE-143	0.000E+00	SHORT HLIF
CE-144	1.430E-01	NOT IDENT.
PM-144	3.585E-02	NOT IDENT.
PR-144	2.707E+00	NOT IDENT.
PM-146	4.353E-02	NOT IDENT.
ND-147	1.570E+00	NOT IDENT.
PM-147	5.339E+02	NOT IDENT.
PM-149	0.000E+00	SHORT HLIF
EU-150	2.034E-02	FAIL ABUN
EU-152	7.173E-02	NOT IDENT.
GD-153	5.348E-02	NOT IDENT.
EU-154	9.048E-02	NOT IDENT.
EU-155	7.710E-02	NOT IDENT.

TB-160	1.218E-01	FAIL ABUN
HO-166M	7.449E-02	FAIL ABUN
TM-171	3.014E+00	NOT IDENT.
HF-172	1.513E-01	FAIL ABUN
LU-172	8.096E-02	FAIL ABUN
LU-176	2.256E-02	NOT IDENT.
HF-181	5.246E-02	NOT IDENT.
TA-182	1.380E-01	FAIL ABUN
RE-183	6.063E-02	NOT IDENT.
RE-184	1.599E-01	NOT IDENT.
W-188	7.360E+00	FAIL ABUN
IR-192	3.727E-02	FAIL ABUN
TL-204	2.325E+00	NOT IDENT.
BI-207	4.444E-02	FAIL ABUN
PB-211	6.901E-01	NOT IDENT.
BI-213	1.167E-01	NOT IDENT.
RN-219	4.002E-01	FAIL ABUN
RA-223	5.549E-01	FAIL ABUN
AC-225	1.391E+00	NOT IDENT.
AC-227	2.073E-01	FAIL ABUN
TH-227	2.073E-01	FAIL ABUN
AC-228	3.024E-01	FAIL ABUN
RA-228	3.024E-01	FAIL ABUN
TH-229	4.169E-01	FAIL ABUN
TH-231	5.549E-01	FAIL ABUN
TH-232	3.024E-01	FAIL ABUN
PA-233	5.815E-02	FAIL ABUN
PA-234	3.337E-01	FAIL ABUN
NP-237	5.815E-02	FAIL ABUN
NP-238	0.000E+00	SHORT HLIF
NP-239	1.934E-01	NOT IDENT.
PU-239	2.974E+02	FAIL ABUN
AM-241	4.838E-02	NOT IDENT.
CM-243	6.442E-02	NOT IDENT.
BK-247	6.084E-02	NOT IDENT.
CM-247	3.838E-02	FAIL ABUN
CF-249	4.028E-02	NOT IDENT.
CF-251	8.856E-02	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 08:17:50.01

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*****************************************************************************
*                            GEL Laboratories LLC                           *
*                              2040 Savage Road                             *
*                            Charleston, SC 29407                           *
*****************************************************************************
*                                                                           *
*                          DETECTOR AND SAMPLE DATA                         *
*                                                                           *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378003.CNF;1   *
* Acquisition date : 12-AUG-2025 07:16:59 Sensitivity     : 3.000           *
* Detector ID      : GAM41                Energy tolerance: 1.500           *
* Elapsed live time:    0 01:00:00.00     Abundance limit : 75.000          *
* Elapsed real time:    0 01:00:00.32     Half life ratio : *****           *
* Sample date      : 11-JUL-2025 09:00:00 Nuclide Library : SOLID           *
* Sample ID        : G733378003           Analyst initials: RXF2            *
* Batch Number     : 2831784              Sample Quantity : 1.1261E+02 GRAM *
*                                         Quantity Err(%) : 1.7760E-03 %    *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000      *
*                                         Dry Weight      :    0.00000      *
*****************************************************************************
*                                                                           *
*                          CALIBRATION INFORMATION                          *
*                                                                           *
* Eff. Cal. date   :  5-SEP-2024 06:18:38 Eff. Geometry   : CAN             *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM41_CAN.CNF;12            *
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Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Act Error (1.96-sigma)	TPU (1.96-sigma)
K-40	6.966E+00	1.852E+00	1.852E+00
MN-54	4.268E-02	4.957E-02	4.957E-02
CE-139	2.306E-02	3.380E-02	3.380E-02
HG-203	5.011E-02	1.065E-01	1.065E-01
TL-208	3.158E-01	1.166E-01	1.166E-01
BI-210	6.538E-01	1.049E+00	1.049E+00
PB-210	6.538E-01	1.049E+00	1.049E+00
BI-211	3.325E+00	7.271E-01	7.271E-01
BI-212	2.393E+00	7.658E-01	7.658E-01
PB-212	1.022E+00	1.853E-01	1.853E-01
BI-214	9.848E-01	2.515E-01	2.515E-01
PB-214	1.207E+00	2.632E-01	2.632E-01
RN-222	1.207E+00	2.632E-01	2.632E-01
RA-224	3.181E+00	1.652E+00	1.652E+00
RA-226	1.207E+00	2.632E-01	2.632E-01
TH-228	1.022E+00	1.853E-01	1.853E-01
TH-230	1.207E+00	2.631E-01	2.631E-01
PA-231	6.637E-01	8.290E-01	8.290E-01
PA-234M	1.049E+00	1.371E+00	1.371E+00
TH-234	1.049E+00	1.371E+00	1.371E+00
U-234	1.207E+00	2.631E-01	2.631E-01
U-235	5.562E-02	2.669E-01	2.669E-01
U-238	1.049E+00	1.371E+00	1.371E+00
AM-243	2.265E-01	5.763E-02	5.763E-02
ANH-511	5.244E-02	9.174E-02	9.174E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	-1.951E-01	4.093E-01	4.186E-01	NOT IDENT.
NA-22	-6.239E-02	5.640E-02	6.302E-02	NOT IDENT.
NA-24	-6.970E+13	1.130E+14	1.172E+14	SHORT HLIF
AL-26	-3.279E-02	4.092E-02	4.351E-02	NOT IDENT.
SC-46	1.746E-02	4.704E-02	4.769E-02	FAIL ABUN

V-48	-1.206E-01	1.734E-01	1.817E-01	NOT IDENT.
CR-51	-3.672E-02	5.544E-01	5.547E-01	NOT IDENT.
MN-52	8.844E-01	3.004E+00	3.030E+00	FAIL ABUN
CO-56	4.616E-02	4.705E-02	5.144E-02	NOT IDENT.
MN-56	1.000E+41	1.019E+41	0.000E+00	SHORT HLIF
CO-57	2.012E-03	2.097E-02	2.099E-02	NOT IDENT.
CO-58	3.242E-02	5.987E-02	6.163E-02	NOT IDENT.
FE-59	3.174E-03	1.154E-01	1.154E-01	NOT IDENT.
CO-60	2.277E-02	4.719E-02	4.829E-02	NOT IDENT.
ZN-65	4.339E-02	1.211E-01	1.227E-01	NOT IDENT.
GE-68	4.673E-01	1.584E+00	1.598E+00	NOT IDENT.
AS-73	8.050E-02	2.084E-01	2.115E-01	NOT IDENT.
AS-74	-7.477E-02	2.005E-01	2.033E-01	NOT IDENT.
SE-75	-7.638E-03	4.938E-02	4.950E-02	FAIL ABUN
BR-77	2.147E+04	2.017E+04	2.237E+04	SHORT HLIF
SR-82	-8.415E-02	7.531E-01	7.541E-01	NOT IDENT.
RB-83	-3.076E-02	8.911E-02	9.018E-02	NOT IDENT.
RB-84	-2.523E-03	9.711E-02	9.711E-02	NOT IDENT.
KR-85	6.438E+00	1.048E+01	1.087E+01	NOT IDENT.
SR-85	4.070E-02	6.626E-02	6.875E-02	NOT IDENT.
RB-86	2.325E-01	1.810E+00	1.813E+00	NOT IDENT.
Y-88	-1.972E-02	6.286E-02	6.349E-02	NOT IDENT.
Y-91	-3.207E+01	2.521E+01	2.906E+01	NOT IDENT.
NB-94	2.527E-02	5.115E-02	5.240E-02	NOT IDENT.
NB-95	2.931E-02	7.314E-02	7.432E-02	NOT IDENT.
NB-95M	-5.255E-02	1.787E-01	1.803E-01	NOT IDENT.
ZR-95	2.564E-02	1.079E-01	1.086E-01	NOT IDENT.
NB-97	-1.000E+41	7.463E+41	0.000E+00	SHORT HLIF
ZR-97	1.473E+13	2.680E+13	2.761E+13	SHORT HLIF
MO-99	-1.429E+02	9.219E+02	9.241E+02	SHORT HLIF
TC-99M	-1.817E+36	5.595E+36	0.000E+00	SHORT HLIF
RH-101	7.541E-03	3.082E-02	3.100E-02	NOT IDENT.
RH-102	-4.411E-02	6.530E-02	6.826E-02	NOT IDENT.
RU-103	6.316E-02	5.119E-02	5.858E-02	FAIL ABUN
RH-106	-6.717E-02	4.105E-01	4.116E-01	NOT IDENT.
RU-106	-6.717E-02	4.105E-01	4.116E-01	NOT IDENT.
AG-108M	1.128E-02	3.648E-02	3.684E-02	NOT IDENT.
CD-109	1.726E-01	6.539E-01	6.585E-01	NOT IDENT.
AG-110	8.333E-02	9.394E-01	9.401E-01	NOT IDENT.
AG-110M	2.621E-02	5.849E-02	5.968E-02	NOT IDENT.
SN-113	-1.560E-02	6.199E-02	6.239E-02	NOT IDENT.
CD-115	1.886E+03	2.070E+03	2.238E+03	SHORT HLIF
SN-117M	-5.858E-02	1.158E-01	1.188E-01	NOT IDENT.
SB-122	1.176E+01	1.618E+02	1.619E+02	SHORT HLIF
TE-123M	-2.041E-02	2.797E-02	2.944E-02	NOT IDENT.
SB-124	-1.202E-01	1.384E-01	1.486E-01	NOT IDENT.
SB-125	-1.678E-02	9.424E-02	9.454E-02	FAIL ABUN
TE-125M	-9.026E-01	9.509E+00	9.518E+00	NOT IDENT.
I-126	8.437E-01	6.612E-01	7.628E-01	NOT IDENT.
SB-126	1.467E-03	3.955E-01	3.955E-01	NOT IDENT.
SN-126	1.291E-01	6.470E-02	8.703E-02	FAIL ABUN
SB-127	3.033E+01	3.490E+01	3.748E+01	NOT IDENT.
I-131	-4.602E-01	4.101E-01	4.596E-01	NOT IDENT.
I-132	1.000E+41	4.122E+41	0.000E+00	SHORT HLIF
TE-132	-1.583E+01	2.916E+01	3.002E+01	NOT IDENT.
BA-133	-6.998E-03	4.830E-02	4.841E-02	NOT IDENT.
I-133	-2.330E+09	4.594E+09	4.712E+09	SHORT HLIF
CS-134	5.040E-02	6.200E-02	6.603E-02	FAIL ABUN
I-135	1.277E+34	2.011E+34	0.000E+00	SHORT HLIF
CS-136	1.429E-01	2.478E-01	2.561E-01	FAIL ABUN
BA-137M	6.831E-03	4.236E-02	4.247E-02	NOT IDENT.
CS-137	7.216E-03	4.475E-02	4.486E-02	NOT IDENT.
LA-138	8.973E-02	8.514E-02	9.426E-02	NOT IDENT.
BA-140	-6.524E-01	8.479E-01	8.975E-01	NOT IDENT.
LA-140	-2.588E-01	3.463E-01	3.654E-01	FAIL ABUN
CE-141	2.495E-02	1.197E-01	1.202E-01	FAIL ABUN
CE-143	6.499E+05	6.002E+05	6.679E+05	SHORT HLIF
CE-144	-1.892E-02	1.833E-01	1.835E-01	NOT IDENT.
PM-144	-4.225E-03	4.455E-02	4.459E-02	NOT IDENT.
PR-144	-3.190E-01	3.364E+00	3.367E+00	NOT IDENT.
PM-146	8.107E-03	4.959E-02	4.972E-02	NOT IDENT.
ND-147	2.885E-01	1.806E+00	1.810E+00	NOT IDENT.
PM-147	-2.698E+01	6.315E+02	6.316E+02	NOT IDENT.
PM-149	-1.644E+04	1.983E+04	2.117E+04	SHORT HLIF
EU-150	6.147E-03	2.443E-02	2.458E-02	FAIL ABUN
EU-152	-4.372E-02	8.822E-02	9.040E-02	NOT IDENT.
GD-153	-3.675E-02	7.014E-02	7.207E-02	NOT IDENT.
EU-154	-1.753E-01	1.584E-01	1.770E-01	NOT IDENT.

EU-155	7.559E-02	8.226E-02	8.904E-02	NOT IDENT.
TB-160	-4.501E-02	1.519E-01	1.533E-01	FAIL ABUN
HO-166M	1.009E-01	7.223E-02	8.536E-02	FAIL ABUN
TM-171	-2.131E+00	3.492E+00	3.622E+00	NOT IDENT.
HF-172	1.358E-01	1.649E-01	1.759E-01	FAIL ABUN
LU-172	8.954E-02	7.810E-02	8.791E-02	FAIL ABUN
LU-176	-1.445E-02	2.963E-02	3.033E-02	NOT IDENT.
HF-181	6.849E-03	6.030E-02	6.038E-02	NOT IDENT.
TA-182	-1.676E-01	2.142E-01	2.271E-01	FAIL ABUN
RE-183	-2.399E-02	6.943E-02	7.027E-02	NOT IDENT.
RE-184	2.419E-02	1.797E-01	1.800E-01	NOT IDENT.
W-188	-2.446E+00	1.041E+01	1.047E+01	FAIL ABUN
IR-192	1.023E-02	4.101E-02	4.127E-02	FAIL ABUN
TL-204	9.312E-01	2.729E+00	2.761E+00	NOT IDENT.
BI-207	-1.756E-02	5.676E-02	5.731E-02	FAIL ABUN
PB-211	9.736E-02	7.837E-01	7.850E-01	NOT IDENT.
BI-213	8.864E-02	1.242E-01	1.305E-01	NOT IDENT.
RN-219	2.769E-01	4.261E-01	4.440E-01	FAIL ABUN
RA-223	3.444E-01	6.392E-01	6.578E-01	FAIL ABUN
AC-225	-1.374E+00	1.881E+00	1.981E+00	NOT IDENT.
AC-227	1.701E-01	2.310E-01	2.433E-01	FAIL ABUN
TH-227	1.701E-01	2.310E-01	2.433E-01	FAIL ABUN
AC-228	7.942E-01	3.417E-01	4.949E-01	FAIL ABUN
RA-228	7.942E-01	3.417E-01	4.949E-01	FAIL ABUN
TH-229	4.964E-01	8.832E-01	9.111E-01	FAIL ABUN
TH-231	3.444E-01	6.392E-01	6.578E-01	FAIL ABUN
TH-232	7.942E-01	3.417E-01	4.949E-01	FAIL ABUN
PA-233	-1.890E-02	7.575E-02	7.623E-02	FAIL ABUN
PA-234	9.431E-02	3.850E-01	3.874E-01	FAIL ABUN
NP-237	-1.890E-02	7.575E-02	7.623E-02	FAIL ABUN
NP-238	-3.297E+03	5.810E+03	5.997E+03	SHORT HLIF
NP-239	1.042E-01	2.142E-01	2.193E-01	NOT IDENT.
PU-239	3.753E+02	5.864E+02	6.103E+02	FAIL ABUN
AM-241	7.274E-03	5.338E-02	5.348E-02	NOT IDENT.
CM-243	-1.537E-02	7.570E-02	7.601E-02	NOT IDENT.
BK-247	1.050E-04	7.509E-02	7.509E-02	NOT IDENT.
CM-247	2.384E-02	4.145E-02	4.282E-02	FAIL ABUN
CF-249	2.779E-02	4.286E-02	4.465E-02	NOT IDENT.
CF-251	-6.780E-02	1.149E-01	1.189E-01	NOT IDENT.

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

GAMMA SPECTROSCOPY BACKGROUND REPORT

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
43.53	47.8420	85.43	126.6421	133.02	42.1829
45.60	43.2625	86.55	83.1786	133.52	40.9026
46.54	43.4234	86.79	83.2290	136.00	39.7638
49.72	30.9026	86.94	68.9365	136.47	48.7525
51.35	45.8309	87.09	60.9023	140.51	0.0000
51.87	45.9181	87.57	69.9430	143.76	51.4062
52.39	43.5835	88.03	90.6721	144.24	48.4226
52.97	34.7781	88.34	130.2746	145.44	40.4370
53.44	36.4569	88.47	130.3166	152.43	46.0361
54.07	44.6583	89.96	73.3683	153.25	44.0505
57.36	0.0000	1093.63	62.6482	323.87	36.9382
57.53	55.8801	91.11	85.6378	156.02	47.3399
57.98	60.0800	92.59	67.1833	158.56	45.4703
59.27	67.7789	93.35	67.3070	159.00	46.5367
59.32	67.7902	94.56	67.5023	162.33	54.0646
59.54	67.8396	94.65	67.5164	162.66	44.7309
60.96	73.1439	94.67	67.5198	163.33	37.4892
61.17	73.1939	94.87	67.5520	165.86	58.5498
62.93	81.1377	97.43	51.4293	176.31	33.9976
63.29	81.2306	98.43	43.2643	176.60	22.3205
63.58	81.3050	98.44	43.2654	177.52	40.4452
64.28	81.4846	99.53	51.6797	181.07	0.0000
66.73	68.8440	100.11	39.7354	181.52	54.2462
67.24	72.3425	102.03	44.5496	184.41	43.0066
125.81	75.8344	103.18	50.2476	143.76	47.3965
67.75	76.4168	103.37	43.7527	193.51	47.9229
68.89	88.6069	105.31	39.2670	197.03	20.4303
69.67	73.4417	106.12	53.3857	198.01	37.2622
70.82	71.9767	106.47	53.4266	201.83	31.9484
70.83	71.9792	109.28	49.9803	203.43	34.2251
72.81	79.2885	111.00	48.2709	205.31	29.5154
72.87	79.3026	111.76	42.6606	210.85	44.5972
74.66	79.7076	114.06	63.8236	215.65	35.9004
74.82	79.7433	116.30	47.8500	218.12	41.6408
74.97	79.7770	116.74	39.2724	222.11	30.1632
77.11	80.2543	119.76	39.5129	227.09	34.9029
78.74	80.6137	121.12	42.5193	227.38	33.3972
79.69	79.6495	121.22	42.5276	228.16	38.7475
80.03	60.9634	121.78	41.6074	228.18	38.7486
80.12	60.9793	122.06	35.8214	116.74	38.7486
80.19	60.9904	122.92	38.7918	235.69	50.6038
80.57	59.8787	123.07	44.6236	235.96	50.6199
81.00	59.9472	265.00	49.5331	238.63	46.1646
81.07	65.8369	125.81	37.0604	238.98	0.0000
81.75	68.3115	127.23	48.2446	240.99	46.2933
82.47	92.9276	127.91	52.2247	242.00	46.3486
83.79	63.0535	129.30	44.1808	244.70	43.3951
84.00	63.0876	131.20	44.3394	252.40	25.7994

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.80	26.9844	345.93	16.3061	564.24	0.0000
254.15	0.0000	351.06	21.5525	569.33	13.0844
256.23	18.8442	351.93	21.5688	946.00	13.0857
260.90	0.0000	355.39	0.0000	569.70	17.1141
264.66	28.5315	356.01	24.6754	583.19	14.2045
264.80	27.3469	364.49	20.0581	584.27	14.2136
265.00	23.7848	366.42	0.0000	595.83	15.3296
269.46	21.5101	372.51	21.0718	427.87	13.3211
270.03	21.5233	375.05	17.5968	602.52	0.0000
271.23	21.5513	377.52	20.2775	604.72	16.9465
273.65	40.8129	356.01	15.9518	607.14	7.7133
276.40	33.7089	388.16	17.7861	609.32	20.5941
277.37	32.5388	388.63	16.9029	610.33	20.6055
277.60	32.5462	391.69	32.1050	614.28	15.4877
278.00	32.5602	264.66	26.9446	618.01	12.4155
279.20	32.6014	401.81	16.1814	620.36	8.2878
279.54	32.6129	402.40	18.8873	621.93	16.5898
279.70	32.6179	404.85	21.6265	630.19	0.0000
280.46	27.4050	410.95	14.4857	631.29	16.6738
283.69	24.2621	413.71	14.5163	633.25	17.7346
284.31	26.7057	414.70	17.2512	634.78	11.4852
285.41	36.4581	423.72	17.3691	635.95	15.6714
285.90	0.0000	427.09	15.5799	636.99	15.6799
287.50	21.9216	427.87	18.3398	657.50	13.7369
290.67	32.5814	433.94	22.1069	657.76	14.7958
293.27	0.0000	439.40	18.4961	657.90	0.0000
351.93	19.6387	440.45	17.5848	661.66	12.7075
295.96	24.5667	453.88	19.6234	664.57	0.0000
879.38	17.2415	463.37	20.6953	666.33	7.4307
299.98	27.1314	468.07	19.8191	666.50	7.4312
300.09	27.1348	473.00	17.0457	667.71	0.0000
300.13	27.1354	475.06	18.0178	677.62	12.8120
301.36	34.5787	476.78	21.8367	685.70	9.6482
302.85	34.6292	477.60	17.0991	692.65	0.0000
256.23	34.6855	482.18	14.2932	695.00	19.3857
304.85	26.0225	487.02	14.3399	696.49	14.0114
306.78	27.3134	492.35	0.0000	696.51	14.0114
308.46	29.8447	497.08	5.7743	697.00	12.9370
311.90	31.1913	505.52	7.2577	697.30	17.2520
316.51	24.2280	507.63	0.0000	697.49	17.2533
319.41	24.2941	511.00	23.3066	702.65	18.3786
320.08	25.1477	514.00	21.8921	706.68	20.5810
321.04	25.1703	514.00	21.8921	711.68	5.4293
323.87	17.6658	520.40	16.6078	720.70	9.8156
325.23	24.0057	520.69	0.0000	721.93	0.0000
328.76	18.5911	522.65	0.0000	722.78	6.5503
333.37	22.0639	527.90	0.0000	722.91	6.5505
333.97	15.2834	528.26	8.8359	723.31	6.5520
334.37	24.2075	529.59	18.6691	724.19	8.1934
338.28	21.3099	529.87	0.0000	727.33	6.5645
338.32	21.3104	531.02	13.7687	733.00	8.2278
311.90	11.5302	537.26	23.6943	735.93	11.5348
340.48	11.5302	546.56	0.0000	333.97	8.2452
340.55	11.5307	552.55	18.9335	739.50	0.0000
344.28	22.2813	563.25	8.0231	744.23	12.1315

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
747.24	12.1485	964.08	10.1562	1457.56	0.0000
748.06	6.6292	966.17	13.0685	1460.82	7.4084
752.31	12.1772	968.97	13.6272	1489.16	4.2646
753.82	9.9701	983.53	11.8741	1505.03	3.4256
756.73	11.0929	984.45	0.0000	1584.12	2.1835
756.80	11.0933	1274.44	5.8730	1596.21	8.7598
884.68	22.2599	1002.74	5.8869	1620.50	3.3041
765.81	14.4811	1004.73	10.3096	1621.92	3.3052
766.84	24.5181	507.63	0.0000	1678.03	0.0000
772.60	0.0000	1025.87	0.0000	1690.97	5.5984
776.52	15.6708	1028.54	0.0000	1750.46	0.0000
739.50	0.0000	1037.84	8.3831	1764.49	4.5535
778.90	13.4468	1038.76	0.0000	1063.66	7.5989
783.70	12.3531	631.29	9.3433	1771.35	10.9447
788.74	13.5063	1048.07	3.7393	1791.20	0.0000
792.07	21.9803	1049.04	1.8702	1808.65	4.5977
795.86	12.4198	1050.41	4.6777	1810.72	0.0000
810.06	5.6807	1063.66	8.4589	1836.06	4.6248
810.29	5.6814	1077.00	8.4974		
344.28	7.9545	1077.34	7.5542		
810.76	7.9553	1085.87	6.6292		
815.77	3.4169	1093.63	3.7981		
1048.07	6.8418	1099.45	4.5665		
832.01	10.3224	1112.07	8.5984		
834.85	6.8899	1112.84	11.4675		
836.80	0.0000	1115.54	7.6519		
846.75	0.0000	1120.29	6.7056		
846.77	3.4624	1120.55	6.7065		
856.80	19.7026	1221.41	6.7082		
860.56	12.7684	1129.67	5.7656		
871.09	12.8239	1131.51	0.0000		
873.19	8.7512	1147.95	0.0000		
875.33	0.0000	1173.23	7.7959		
879.38	7.8959	1177.95	13.6633		
880.51	8.7772	1189.05	4.8969		
881.60	7.0249	1204.77	10.8261		
883.24	4.3935	1221.41	9.8920		
884.68	7.0337	1231.02	7.9370		
889.28	6.1658	1235.36	14.9011		
894.76	14.1245	1238.28	8.9489		
898.04	7.9555	1260.41	0.0000		
900.72	14.1582	1271.87	5.0217		
903.28	7.0862	1274.44	13.0659		
911.20	7.9969	1274.54	13.0667		
912.08	14.2217	1291.59	7.0709		
923.98	0.0000	1298.22	0.0000		
926.50	11.6206	1312.11	6.0970		
929.11	5.7268	1332.49	4.0884		
935.54	12.5585	1362.66	0.0000		
937.49	4.3090	1365.19	4.1260		
944.13	8.0999	1368.63	0.0000		
946.00	9.0063	1384.29	6.2216		
949.00	10.8197	1408.01	1.0436		
667.71	0.0000	1434.09	6.3058		
962.31	18.1238	1435.80	3.1542		

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 08:18:18.59

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GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

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Configuration : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378004.CNF;1
Background file : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM02.CNF;701

		Background date	: 10-AUG-2025 10:28:24
Sample date	: 11-JUL-2025 11:30:00	Acquisition date	: 12-AUG-2025 07:17:35
Sample ID	: G733378004	Sample quantity	: 1.08670E+02 GRAM
Detector name	: GAM02	Detector geometry	: CAN
Elapsed live time	: 0 01:00:00.00	Elapsed real time	: 0 01:00:00.77 0.0%
Energy tolerance	: 1.50000 keV	Analyst Initials	: RXF2
Abundance limit	: 75.00000	Sensitivity	: 3.00000
Batch ID	: 2831784	Detector SN#	:
Matrix Spike ID	:	LCS ID	:

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BACKGROUND CORRECTED SAMPLE PEAK REPORT

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	37.77	22	99	0.87	76.28	74	7	6.17E-03	79.4	
2	0	62.75*	1	132	0.59	126.28	124	7	3.19E-04	*****	
3	2	74.91*	124	107	1.14	150.60	144	15	3.43E-02	17.8	1.96E+00
4	2	77.20	184	72	0.88	155.18	144	15	5.12E-02	10.2	
5	6	84.33*	23	192	1.63	169.46	165	15	6.47E-03	116.8	4.40E+00
6	6	87.23	72	146	1.15	175.25	165	15	2.00E-02	29.6	
7	0	92.90*	88	188	1.14	186.61	183	11	2.45E-02	34.6	
8	0	128.93	47	59	0.68	258.70	256	6	1.31E-02	29.4	
9	1	143.96*	22	112	1.20	288.78	284	13	6.24E-03	80.2	4.40E+00
10	1	146.65	22	62	1.20	294.16	284	13	6.16E-03	58.5	
11	0	164.02*	31	82	1.36	328.92	326	8	8.65E-03	54.8	
12	0	185.90*	59	188	1.39	372.70	366	15	1.63E-02	55.1	
13	5	202.66	39	21	1.27	406.23	404	12	1.09E-02	22.7	2.14E+00
14	5	205.10*	17	71	1.73	411.10	404	12	4.74E-03	100.8	
15	0	208.00	21	80	1.78	416.92	416	8	5.77E-03	77.2	
16	2	238.84*	290	66	1.06	478.61	473	17	8.04E-02	7.5	9.59E-01
17	2	241.87	91	85	1.50	484.68	473	17	2.52E-02	23.0	
18	0	271.50	40	72	0.81	543.97	539	10	1.11E-02	43.1	
19	0	277.73*	19	39	0.67	556.44	553	7	5.39E-03	59.9	
20	0	295.54*	113	80	0.99	592.06	587	11	3.13E-02	18.3	
21	0	300.80*	14	64	0.99	602.58	598	9	3.96E-03	107.9	
22	0	328.12	21	28	0.84	657.24	654	6	5.81E-03	45.8	
23	0	338.65	81	37	0.95	678.30	673	11	2.24E-02	18.6	
24	0	352.16*	229	45	1.21	705.34	700	10	6.35E-02	8.7	
25	0	402.50	21	46	0.64	806.04	801	11	5.95E-03	64.0	
26	1	410.47	30	37	1.58	821.98	816	21	8.42E-03	38.2	3.35E+00
27	1	414.12	17	34	1.58	829.29	816	21	4.68E-03	70.9	
28	0	463.70	41	42	1.73	928.48	923	10	1.14E-02	33.5	
29	0	511.41*	48	35	1.61	1023.92	1016	16	1.33E-02	37.9	
30	0	535.79	32	31	4.19	1072.69	1063	18	8.86E-03	44.8	
31	0	583.58*	109	25	1.17	1168.26	1164	11	3.03E-02	13.5	
32	0	610.08*	154	38	1.75	1221.28	1216	15	4.29E-02	12.6	
33	0	718.16	26	29	5.87	1437.45	1428	19	7.08E-03	54.0	
34	0	728.56	10	16	1.00	1458.25	1454	7	2.64E-03	82.7	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
35	0	768.54	40	7	2.51	1538.21	1533	10	1.10E-02	20.5	
36	0	807.21	16	6	2.36	1615.54	1612	8	4.55E-03	35.6	
37	0	861.70*	19	11	0.63	1724.51	1719	11	5.37E-03	41.3	
38	0	881.94	18	3	3.63	1764.99	1760	10	5.13E-03	28.3	
39	0	893.88	10	12	1.02	1788.86	1780	12	2.78E-03	76.2	
40	0	897.29	5	12	1.13	1795.69	1792	9	1.29E-03	140.0	
41	0	911.96*	71	21	1.25	1825.02	1818	12	1.98E-02	18.2	
42	0	951.73	7	21	3.77	1904.54	1889	17	1.88E-03	160.7	
43	0	969.81*	21	22	1.02	1940.69	1937	8	5.92E-03	45.4	
44	0	1012.72	8	7	1.50	2026.50	2021	10	2.18E-03	74.2	
45	0	1045.40	6	7	0.77	2091.84	2088	9	1.65E-03	89.6	
46	0	1052.79*	5	6	0.50	2106.61	2098	12	1.48E-03	112.3	
47	0	1121.33*	44	10	2.27	2243.65	2238	15	1.22E-02	23.6	
48	0	1145.59	12	3	2.62	2292.15	2287	11	3.32E-03	39.7	
49	0	1379.37	8	5	0.65	2759.50	2754	10	2.22E-03	63.1	
50	0	1461.71*	161	10	1.86	2924.09	2917	16	4.47E-02	9.5	
51	0	1543.18	12	0	4.24	3086.92	3081	11	3.33E-03	28.9	
52	0	1588.79	9	3	3.70	3178.07	3172	12	2.49E-03	51.2	
53	0	1621.63	10	0	1.06	3243.70	3237	11	2.78E-03	31.6	
54	0	1730.84	15	0	1.16	3461.93	3454	14	4.17E-03	25.8	
55	0	1765.68*	31	0	2.95	3531.55	3525	13	8.62E-03	20.1	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 12-AUG-2025 08:18:20

Configuration : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378004.CNF;1
Analyses by : PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4,INTERF V2.4
Sample title : RXF2
Sample date : 11-JUL-2025 11:30:00 Acquisition date : 12-AUG-2025 07:17:35
Sample ID : G733378004 Sample quantity : 108.67 GRAM
Sample type : SOLID Sample geometry :
Detector name : GAMMA2 Detector geometry: CAN
Elapsed live time: 0 01:00:00.00 Elapsed real time: 0 01:00:00.77 0.0%
Energy tolerance : 1.50 keV Half life ratio : 10.00
Errors propagated: No Systematic Error : 0.00 %
Efficiency type : Empirical Efficiencies at : Peak Energy
Abundance limit : 75.00

Interference Report

Interfering		Interfered	
Nuclide	Line	Nuclide	Line
TL-208	277.37	CM-247	278.00
TL-208	277.37	HG-203	279.20

Nuclide Type:

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error	Status
K-40	1460.82	10.66*	1.029E+00	9.515E+00	9.515E+00	18.98	OK
RB-84	881.60	68.90*	1.638E+00	1.080E-01	2.116E-01	56.51	OK
CD-109	88.03	3.70*	5.087E+00	2.713E+00	2.846E+00	59.24	OK
SN-126	64.28	9.60	2.502E+00	----- Line Not Found		-----	Absent
	86.94	8.90	5.087E+00	1.128E+00	1.128E+00	59.24	OK
	87.57	37.00*	5.087E+00	2.713E-01	2.713E-01	59.24	OK
BA-140	162.66	6.22	5.832E+00	5.971E-01	3.372E+00	109.68	OK
	304.85	4.29	3.899E+00	----- Line Not Found		-----	Absent
	423.72	3.15	3.055E+00	----- Line Not Found		-----	Absent
	537.26	24.39*	2.543E+00	3.449E-01	1.948E+00	89.70	OK
CE-141	145.44	48.29*	6.099E+00	5.253E-02	1.036E-01	117.07	OK
HG-203	70.83	3.69	3.374E+00	----- Line Not Found		-----	Absent
	72.87	6.19	3.630E+00	----- Line Not Found		-----	Absent
	279.20	81.56*	4.171E+00	9.011E-03	1.447E-02	525.91	OK
TL-208	277.37	6.60	4.175E+00	----- Line Not Found		-----	<<INT Reject
	583.19	85.00*	2.371E+00	3.621E-01	3.621E-01	26.96	OK
	860.56	12.50	1.675E+00	6.101E-01	6.101E-01	82.68	OK
BI-211	72.87	1.23	3.630E+00	----- Line Not Found		-----	Absent
	351.06	12.92*	3.508E+00	3.428E+00	3.428E+00	17.49	OK
BI-212	727.33	6.67*	1.956E+00	4.834E-01	4.834E-01	165.43	OK
	1620.50	1.47	9.557E-01	4.604E+00	4.604E+00	63.25	OK
PB-212	74.82	10.28	3.876E+00	2.208E+00	2.208E+00	35.57	OK
	77.11	17.10	4.138E+00	1.855E+00	1.855E+00	20.40	OK
	238.63	43.60*	4.641E+00	9.841E-01	9.841E-01	14.91	OK
	300.09	3.30	3.937E+00	7.497E-01	7.497E-01	215.81	OK
BI-214	609.32	45.49*	2.284E+00	9.914E-01	9.914E-01	25.16	OK
	1120.29	14.92	1.301E+00	1.485E+00	1.485E+00	47.10	OK
	1764.49	15.30	9.115E-01	1.435E+00	1.435E+00	40.26	OK
PB-214	74.82	5.80	3.876E+00	3.914E+00	3.914E+00	35.57	OK
	77.11	9.70	4.138E+00	3.270E+00	3.270E+00	20.40	OK
	87.09	3.41	5.087E+00	2.944E+00	2.944E+00	59.24	OK
	242.00	7.25	4.600E+00	1.870E+00	1.870E+00	46.06	OK
	295.22	18.42	3.988E+00	1.047E+00	1.047E+00	36.64	OK
	351.93	35.60*	3.508E+00	1.244E+00	1.244E+00	17.49	OK
RN-219	271.23	10.80	4.239E+00	6.000E-01	6.000E-01	86.30	OK
	401.81	6.60*	3.176E+00	6.913E-01	6.913E-01	128.04	OK
RN-222	74.82	5.80	3.876E+00	3.914E+00	3.914E+00	35.57	OK
	77.11	9.70	4.138E+00	3.270E+00	3.270E+00	20.40	OK
	87.09	3.41	5.087E+00	2.944E+00	2.944E+00	59.24	OK
	242.00	7.25	4.600E+00	1.870E+00	1.870E+00	46.06	OK
	295.22	18.42	3.988E+00	1.047E+00	1.047E+00	36.64	OK
	351.93	35.60*	3.508E+00	1.244E+00	1.244E+00	17.49	OK
RA-224	240.99	4.10*	4.600E+00	3.307E+00	3.307E+00	46.06	OK
RA-226	74.82	5.80	3.876E+00	3.914E+00	3.914E+00	35.57	OK
	77.11	9.70	4.138E+00	3.270E+00	3.270E+00	20.40	OK
	87.09	3.41	5.087E+00	2.944E+00	2.944E+00	59.24	OK
	242.00	7.25	4.600E+00	1.870E+00	1.870E+00	46.06	OK
	295.22	18.42	3.988E+00	1.047E+00	1.047E+00	36.64	OK
	351.93	35.60*	3.508E+00	1.244E+00	1.244E+00	17.49	OK

Nuclide Type:

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error	Status
AC-228	338.32	11.27	3.611E+00	1.346E+00	1.346E+00	37.17	OK
	911.20	25.80*	1.587E+00	1.147E+00	1.147E+00	36.38	OK
	968.97	15.80	1.496E+00	5.935E-01	5.935E-01	90.81	OK
RA-228	338.32	11.27	3.611E+00	1.346E+00	1.346E+00	37.17	OK
	911.20	25.80*	1.587E+00	1.147E+00	1.147E+00	36.38	OK
	968.97	15.80	1.496E+00	5.935E-01	5.935E-01	90.81	OK
TH-228	74.82	10.28	3.876E+00	2.208E+00	2.208E+00	35.57	OK
	77.11	17.10	4.138E+00	1.855E+00	1.855E+00	20.40	OK
	238.63	43.60*	4.641E+00	9.841E-01	9.841E-01	14.91	OK
	300.09	3.30	3.937E+00	7.497E-01	7.497E-01	215.81	OK
TH-229	85.43	14.70	4.847E+00	2.321E-01	2.321E-01	233.54	OK
	88.47	24.00	5.087E+00	4.182E-01	4.182E-01	59.24	OK
	193.51	4.41*	5.329E+00	----- Line Not Found		-----	Absent
	210.85	2.80	5.048E+00	----- Line Not Found		-----	Absent
TH-230	74.82	5.80	3.876E+00	3.914E+00	3.914E+00	35.57	OK
	77.11	9.70	4.138E+00	3.270E+00	3.270E+00	20.40	OK
	87.09	3.41	5.087E+00	2.944E+00	2.944E+00	59.24	OK
	242.00	7.25	4.600E+00	1.870E+00	1.870E+00	46.06	OK
	295.22	18.42	3.988E+00	1.047E+00	1.047E+00	36.64	OK
	351.93	35.60*	3.508E+00	1.244E+00	1.244E+00	17.49	OK
PA-231	283.69	1.70	4.108E+00	----- Line Not Found		-----	Absent
	301.36	5.35*	3.937E+00	4.624E-01	4.624E-01	215.81	OK
TH-232	338.32	11.27	3.611E+00	1.346E+00	1.346E+00	37.17	OK
	911.20	25.80*	1.587E+00	1.147E+00	1.147E+00	36.38	OK
	968.97	15.80	1.496E+00	5.935E-01	5.935E-01	90.81	OK
PA-234M	63.29	3.70*	2.294E+00	9.687E-02	9.687E-023	526.61	OK
	92.59	4.23	5.480E+00	2.689E+00	2.689E+00	69.29	OK
TH-234	63.29	3.70*	2.294E+00	9.687E-02	9.687E-023	526.61	OK
	92.59	4.23	5.480E+00	2.689E+00	2.689E+00	69.29	OK
U-234	74.82	5.80	3.876E+00	3.914E+00	3.914E+00	35.57	OK
	77.11	9.70	4.138E+00	3.270E+00	3.270E+00	20.40	OK
	87.09	3.41	5.087E+00	2.944E+00	2.944E+00	59.24	OK
	242.00	7.25	4.600E+00	1.870E+00	1.870E+00	46.06	OK
	295.22	18.42	3.988E+00	1.047E+00	1.047E+00	36.64	OK
	351.93	35.60*	3.508E+00	1.244E+00	1.244E+00	17.49	OK
U-235	89.96	3.47	5.289E+00	----- Line Not Found		-----	Absent
	93.35	5.60	5.480E+00	2.032E+00	2.032E+00	69.29	OK
	143.76	10.96*	6.133E+00	2.333E-01	2.333E-01	160.44	OK
	163.33	5.08	5.832E+00	7.311E-01	7.311E-01	109.68	OK
	185.72	57.20	5.458E+00	1.306E-01	1.306E-01	110.10	OK
	205.31	5.01	5.139E+00	4.575E-01	4.575E-01	201.53	OK
U-238	63.29	3.70*	2.294E+00	9.687E-02	9.687E-023	526.61	OK
	92.59	4.23	5.480E+00	2.689E+00	2.689E+00	69.29	OK
PU-239	129.30	0.01*	6.262E+00	8.389E+02	8.389E+02	58.85	OK
	375.05	0.00	3.348E+00	----- Line Not Found		-----	Absent
	413.71	0.00	3.108E+00	2.501E+03	2.501E+03	141.71	OK
AM-243	43.53	5.90	2.747E-01	----- Line Not Found		-----	Absent
	74.66	67.20*	3.876E+00	3.378E-01	3.378E-01	35.57	OK
CM-247	278.00	3.40	4.171E+00	2.162E-01	2.162E-01	525.91	OK

Nuclide Type:

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error	Status
	287.50	2.00	4.068E+00	----- Line Not Found		-----	Absent
	402.40	72.00*	3.176E+00	6.337E-02	6.337E-02	128.04	OK
ANH-511	511.00	100.00*	2.640E+00	1.218E-01	1.218E-01	75.72	OK

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 08:18:21.14

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378004.CNF;1    *
* Acquisition date : 12-AUG-2025 07:17:35 Sensitivity     : 3.000          *
* Detector ID      : GAM02                Energy tolerance: 1.500          *
* Elapsed live time:    0 01:00:00.00     Abundance limit : 75.000         *
* Elapsed real time:    0 01:00:00.77     Half life ratio : *****          *
* Sample date      : 11-JUL-2025 11:30:00 Analyst initials: RXF2           *
* Sample ID        : G733378004           Sample Quantity : 1.0867E+02 GRAM   *
* Batch Number     : 2831784              Wet Weight      :    0.00000     *
* Wet wt corr      :    1.00000           Dry Weight      :    0.00000     *
* Nuclide Library  : SOLID.NLB;19                                         *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 19-SEP-2024 07:24:06 Eff. Geometry   : CAN           *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM02_CAN.CNF;21          *
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Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Cnt uncert (1.96-sigma)	MDA (pCi/GRAM)
K-40	9.515E+00	1.770E+00	1.032E+00
RB-84	2.116E-01	1.172E-01	1.831E-01
CD-109	2.846E+00	1.652E+00	2.011E+00
SN-126	2.713E-01	1.575E-01	1.929E-01
BA-140	1.948E+00	1.712E+00	1.575E+00
CE-141	1.036E-01	1.188E-01	1.848E-01
HG-203	1.447E-02	7.459E-02	1.131E-01
TL-208	3.621E-01	9.566E-02	7.718E-02
BI-211	3.428E+00	5.878E-01	4.598E-01
BI-212	4.834E-01	7.837E-01	1.305E+00
PB-212	9.841E-01	1.438E-01	1.282E-01
BI-214	9.914E-01	2.445E-01	1.754E-01
PB-214	1.244E+00	2.133E-01	1.672E-01
RN-219	6.913E-01	8.674E-01	8.958E-01
RN-222	1.244E+00	2.133E-01	1.672E-01
RA-224	3.307E+00	1.493E+00	1.375E+00
RA-226	1.244E+00	2.133E-01	1.672E-01
AC-228	1.147E+00	4.088E-01	2.839E-01
RA-228	1.147E+00	4.088E-01	2.839E-01
TH-228	9.841E-01	1.438E-01	1.282E-01
TH-229	-6.049E-01	6.475E-01	1.026E+00
TH-230	1.244E+00	2.133E-01	1.672E-01
PA-231	4.624E-01	9.780E-01	1.003E+00
TH-232	1.147E+00	4.088E-01	2.839E-01
PA-234M	9.687E-02	3.348E+00	3.022E+00
TH-234	9.687E-02	3.348E+00	3.022E+00
U-234	1.244E+00	2.133E-01	1.672E-01
U-235	2.333E-01	3.668E-01	4.109E-01
U-238	9.687E-02	3.348E+00	3.022E+00
PU-239	8.389E+02	4.838E+02	7.246E+02
AM-243	3.378E-01	1.177E-01	1.148E-01
CM-247	6.337E-02	7.951E-02	8.222E-02
ANH-511	1.218E-01	9.036E-02	6.619E-02

---- Non-Identified Nuclides ----

Key-Line

Nuclide	Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	-3.693E-02	4.522E-01	8.473E-01	NOT IDENT.
NA-22	4.958E-03	6.176E-02	1.201E-01	NOT IDENT.
NA-24	0.000E+00	1.152E+14	0.000E+00	SHORT HLIF
AL-26	8.783E-03	3.902E-02	9.155E-02	NOT IDENT.
SC-46	1.378E-03	5.504E-02	9.835E-02	FAIL ABUN
V-48	-5.652E-03	1.397E-01	2.844E-01	NOT IDENT.
CR-51	4.897E-01	6.452E-01	1.319E+00	NOT IDENT.
MN-52	2.150E+00	2.827E+00	6.354E+00	NOT IDENT.
MN-54	-1.468E-02	4.549E-02	8.547E-02	NOT IDENT.
CO-56	-1.323E-02	4.858E-02	8.897E-02	NOT IDENT.
MN-56	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CO-57	-1.092E-04	3.129E-02	5.624E-02	NOT IDENT.
CO-58	-5.727E-02	5.491E-02	6.998E-02	NOT IDENT.
FE-59	9.711E-02	1.269E-01	2.875E-01	NOT IDENT.
CO-60	-5.484E-04	5.762E-02	1.114E-01	NOT IDENT.
ZN-65	2.237E-02	1.246E-01	2.226E-01	NOT IDENT.
GE-68	-1.004E+00	1.336E+00	2.248E+00	NOT IDENT.
AS-73	1.079E+00	1.531E+00	3.069E+00	NOT IDENT.
AS-74	-4.218E-02	2.033E-01	3.694E-01	NOT IDENT.
SE-75	-4.440E-02	5.498E-02	9.761E-02	NOT IDENT.
BR-77	0.000E+00	2.932E+03	0.000E+00	SHORT HLIF
SR-82	-5.712E-02	5.867E-01	1.157E+00	NOT IDENT.
RB-83	1.726E-02	1.060E-01	2.013E-01	NOT IDENT.
KR-85	4.962E+00	9.753E+00	1.749E+01	NOT IDENT.
SR-85	3.117E-02	6.160E-02	1.105E-01	NOT IDENT.
RB-86	-1.150E+00	1.493E+00	2.498E+00	NOT IDENT.
Y-88	1.118E-02	5.514E-02	1.243E-01	FAIL ABUN
Y-91	2.295E-02	3.243E+01	6.242E+01	NOT IDENT.
NB-94	-2.470E-02	4.436E-02	7.414E-02	NOT IDENT.
NB-95	2.978E-02	5.794E-02	1.192E-01	NOT IDENT.
NB-95M	-2.440E-02	2.091E-01	3.256E-01	NOT IDENT.
ZR-95	-9.717E-03	1.004E-01	1.841E-01	NOT IDENT.
NB-97	0.000E+00	1.683E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	2.896E+13	0.000E+00	SHORT HLIF
MO-99	0.000E+00	8.874E+02	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	5.437E+36	0.000E+00	SHORT HLIF
RH-101	8.413E-04	3.682E-02	6.154E-02	NOT IDENT.
RH-102	6.715E-02	6.319E-02	1.378E-01	FAIL ABUN
RU-103	-2.704E-02	6.237E-02	1.105E-01	FAIL ABUN
RH-106	1.991E-01	4.085E-01	8.121E-01	NOT IDENT.
RU-106	1.991E-01	4.085E-01	8.121E-01	NOT IDENT.
AG-108M	-2.168E-02	3.498E-02	6.088E-02	NOT IDENT.
AG-110	-2.978E-01	1.060E+00	1.864E+00	NOT IDENT.
AG-110M	-2.653E-02	6.655E-02	1.059E-01	NOT IDENT.
SN-113	1.549E-02	5.501E-02	1.081E-01	NOT IDENT.
CD-115	0.000E+00	2.478E+03	0.000E+00	SHORT HLIF
SN-117M	1.385E-02	1.407E-01	2.528E-01	NOT IDENT.
SB-122	0.000E+00	1.694E+02	0.000E+00	SHORT HLIF
TE-123M	4.339E-03	3.524E-02	6.332E-02	NOT IDENT.
SB-124	-2.931E-02	1.066E-01	2.217E-01	NOT IDENT.
SB-125	5.483E-02	1.134E-01	2.249E-01	FAIL ABUN
TE-125M	1.275E+01	1.384E+01	2.684E+01	NOT IDENT.
I-126	6.047E-01	7.664E-01	1.540E+00	NOT IDENT.
SB-126	7.412E-02	4.883E-01	9.160E-01	FAIL ABUN
SB-127	-1.124E+01	3.442E+01	6.024E+01	NOT IDENT.
I-131	1.048E-01	6.287E-01	1.203E+00	NOT IDENT.
I-132	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
TE-132	-1.278E+01	3.354E+01	5.581E+01	NOT IDENT.
BA-133	3.802E-02	5.307E-02	9.961E-02	FAIL ABUN
I-133	0.000E+00	4.854E+09	0.000E+00	SHORT HLIF
CS-134	1.798E-02	5.274E-02	1.079E-01	NOT IDENT.
I-135	0.000E+00	1.808E+34	0.000E+00	SHORT HLIF
CS-136	-7.502E-03	4.022E-01	5.144E-01	NOT IDENT.
BA-137M	-1.690E-02	4.802E-02	8.580E-02	NOT IDENT.
CS-137	-1.786E-02	5.073E-02	9.063E-02	NOT IDENT.
LA-138	2.535E-02	8.520E-02	1.761E-01	NOT IDENT.
CE-139	-2.297E-02	4.218E-02	6.433E-02	NOT IDENT.
LA-140	-3.854E-02	2.786E-01	5.580E-01	FAIL ABUN
CE-143	0.000E+00	6.956E+05	0.000E+00	SHORT HLIF
CE-144	5.724E-02	2.464E-01	4.485E-01	NOT IDENT.
PM-144	-6.173E-03	4.717E-02	8.469E-02	NOT IDENT.
PR-144	-4.551E-01	3.562E+00	6.400E+00	NOT IDENT.
PM-146	-1.314E-02	5.500E-02	9.992E-02	NOT IDENT.
ND-147	4.742E-01	2.061E+00	3.631E+00	NOT IDENT.
PM-147	2.973E+02	8.605E+02	1.597E+03	NOT IDENT.

PM-149	0.000E+00	1.970E+04	0.000E+00	SHORT HLIF
EU-150	-1.040E-02	3.547E-02	5.806E-02	FAIL ABUN
EU-152	2.543E-02	1.035E-01	2.036E-01	NOT IDENT.
GD-153	-1.230E-01	1.143E-01	1.719E-01	NOT IDENT.
EU-154	1.048E-02	1.728E-01	3.351E-01	NOT IDENT.
EU-155	8.345E-02	1.218E-01	2.331E-01	FAIL ABUN
TB-160	7.797E-02	1.603E-01	3.291E-01	FAIL ABUN
HO-166M	-9.771E-04	6.585E-02	1.117E-01	FAIL ABUN
TM-171	-7.736E-01	3.096E+01	5.845E+01	NOT IDENT.
HF-172	6.680E-02	2.379E-01	4.068E-01	FAIL ABUN
LU-172	-2.292E-02	7.255E-02	1.356E-01	FAIL ABUN
LU-176	1.339E-02	3.226E-02	6.352E-02	FAIL ABUN
HF-181	9.073E-02	6.916E-02	1.506E-01	NOT IDENT.
TA-182	-8.134E-02	2.482E-01	4.523E-01	FAIL ABUN
RE-183	2.304E-01	3.578E-01	7.026E-01	NOT IDENT.
RE-184	3.433E-02	1.807E-01	3.683E-01	FAIL ABUN
W-188	-8.243E-01	1.095E+01	1.862E+01	FAIL ABUN
IR-192	-1.574E-02	5.046E-02	9.279E-02	FAIL ABUN
TL-204	1.081E+00	6.149E+00	1.077E+01	NOT IDENT.
BI-207	-2.017E-02	6.268E-02	1.164E-01	FAIL ABUN
BI-210	3.887E+00	8.095E+00	1.561E+01	NOT IDENT.
PB-210	3.887E+00	8.095E+00	1.561E+01	NOT IDENT.
PB-211	-4.554E-01	1.373E+00	1.686E+00	NOT IDENT.
BI-213	-3.072E-02	1.278E-01	2.334E-01	NOT IDENT.
RA-223	1.956E-01	7.417E-01	1.395E+00	FAIL ABUN
AC-225	3.155E+00	2.435E+00	4.726E+00	NOT IDENT.
AC-227	-3.334E-01	3.174E-01	5.521E-01	FAIL ABUN
TH-227	-3.334E-01	3.174E-01	5.521E-01	FAIL ABUN
TH-231	1.956E-01	7.417E-01	1.395E+00	FAIL ABUN
PA-233	-3.409E-02	7.822E-02	1.423E-01	FAIL ABUN
PA-234	-3.030E-01	4.053E-01	6.973E-01	FAIL ABUN
NP-237	-3.409E-02	7.822E-02	1.423E-01	FAIL ABUN
NP-238	0.000E+00	4.594E+03	0.000E+00	SHORT HLIF
NP-239	-1.981E-01	3.259E-01	5.568E-01	FAIL ABUN
AM-241	2.561E-01	2.323E-01	4.457E-01	NOT IDENT.
CM-243	-2.816E-02	1.245E-01	2.219E-01	FAIL ABUN
BK-247	-6.897E-02	9.031E-02	1.610E-01	FAIL ABUN
CF-249	5.589E-03	4.497E-02	8.672E-02	NOT IDENT.
CF-251	-4.476E-02	1.584E-01	2.709E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 08:18:19.48

Nuclide Line Activity Report

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
K-40	1460.82	151	10.66*	1.029E+00	9.515E+00	9.515E+00	18.98
RB-84	881.60	18	68.90*	1.638E+00	1.080E-01	2.116E-01	56.51
CD-109	88.03	74	3.70*	5.087E+00	2.713E+00	2.846E+00	59.24
SN-126	64.28	------	9.60	2.502E+00	------ Line Not Found		------
	86.94	74	8.90	5.087E+00	1.128E+00	1.128E+00	59.24
	87.57	74	37.00*	5.087E+00	2.713E-01	2.713E-01	59.24
BA-140	162.66	31	6.22	5.832E+00	5.971E-01	3.372E+00	109.68
	304.85	------	4.29	3.899E+00	------ Line Not Found		------
	423.72	------	3.15	3.055E+00	------ Line Not Found		------
	537.26	31	24.39*	2.543E+00	3.449E-01	1.948E+00	89.70
CE-141	145.44	22	48.29*	6.099E+00	5.253E-02	1.036E-01	117.07
HG-203	70.83	------	3.69	3.374E+00	------ Line Not Found		------
	72.87	------	6.19	3.630E+00	------ Line Not Found		------
	279.20	19	81.56*	4.171E+00	3.903E-02	6.269E-02	119.77
TL-208	277.37	19	6.60	4.171E+00	4.824E-01	4.824E-01	119.77
	583.19	106	85.00*	2.371E+00	3.621E-01	3.621E-01	26.96
	860.56	18	12.50	1.675E+00	6.101E-01	6.101E-01	82.68
BI-211	72.87	------	1.23	3.630E+00	------ Line Not Found		------
	351.06	225	12.92*	3.508E+00	3.428E+00	3.428E+00	17.49
BI-212	727.33	9	6.67*	1.956E+00	4.834E-01	4.834E-01	165.43
	1620.50	9	1.47	9.557E-01	4.604E+00	4.604E+00	63.25
PB-212	74.82	127	10.28	3.876E+00	2.208E+00	2.208E+00	35.57
	77.11	190	17.10	4.138E+00	1.855E+00	1.855E+00	20.40
	238.63	288	43.60*	4.641E+00	9.841E-01	9.841E-01	14.91
	300.09	14	3.30	3.937E+00	7.497E-01	7.497E-01	215.81
BI-214	609.32	149	45.49*	2.284E+00	9.914E-01	9.914E-01	25.16
	1120.29	42	14.92	1.301E+00	1.485E+00	1.485E+00	47.10
	1764.49	29	15.30	9.115E-01	1.435E+00	1.435E+00	40.26
PB-214	74.82	127	5.80	3.876E+00	3.914E+00	3.914E+00	35.57
	77.11	190	9.70	4.138E+00	3.270E+00	3.270E+00	20.40
	87.09	74	3.41	5.087E+00	2.944E+00	2.944E+00	59.24
	242.00	90	7.25	4.600E+00	1.870E+00	1.870E+00	46.06
	295.22	111	18.42	3.988E+00	1.047E+00	1.047E+00	36.64
	351.93	225	35.60*	3.508E+00	1.244E+00	1.244E+00	17.49
RN-219	271.23	40	10.80	4.239E+00	6.000E-01	6.000E-01	86.30
	401.81	21	6.60*	3.176E+00	6.913E-01	6.913E-01	128.04
RN-222	74.82	127	5.80	3.876E+00	3.914E+00	3.914E+00	35.57
	77.11	190	9.70	4.138E+00	3.270E+00	3.270E+00	20.40
	87.09	74	3.41	5.087E+00	2.944E+00	2.944E+00	59.24
	242.00	90	7.25	4.600E+00	1.870E+00	1.870E+00	46.06
	295.22	111	18.42	3.988E+00	1.047E+00	1.047E+00	36.64
	351.93	225	35.60*	3.508E+00	1.244E+00	1.244E+00	17.49
RA-224	240.99	90	4.10*	4.600E+00	3.307E+00	3.307E+00	46.06
RA-226	74.82	127	5.80	3.876E+00	3.914E+00	3.914E+00	35.57
	77.11	190	9.70	4.138E+00	3.270E+00	3.270E+00	20.40
	87.09	74	3.41	5.087E+00	2.944E+00	2.944E+00	59.24
	242.00	90	7.25	4.600E+00	1.870E+00	1.870E+00	46.06

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	295.22	111	18.42	3.988E+00	1.047E+00	1.047E+00	36.64
	351.93	225	35.60*	3.508E+00	1.244E+00	1.244E+00	17.49
AC-228	338.32	79	11.27	3.611E+00	1.346E+00	1.346E+00	37.17
	911.20	68	25.80*	1.587E+00	1.147E+00	1.147E+00	36.38
	968.97	20	15.80	1.496E+00	5.935E-01	5.935E-01	90.81
RA-228	338.32	79	11.27	3.611E+00	1.346E+00	1.346E+00	37.17
	911.20	68	25.80*	1.587E+00	1.147E+00	1.147E+00	36.38
	968.97	20	15.80	1.496E+00	5.935E-01	5.935E-01	90.81
TH-228	74.82	127	10.28	3.876E+00	2.208E+00	2.208E+00	35.57
	77.11	190	17.10	4.138E+00	1.855E+00	1.855E+00	20.40
	238.63	288	43.60*	4.641E+00	9.841E-01	9.841E-01	14.91
	300.09	14	3.30	3.937E+00	7.497E-01	7.497E-01	215.81
TH-229	85.43	24	14.70	4.847E+00	2.321E-01	2.321E-01	233.54
	88.47	74	24.00	5.087E+00	4.182E-01	4.182E-01	59.24
	193.51	------	4.41*	5.329E+00	------ Line Not Found		------
	210.85	------	2.80	5.048E+00	------ Line Not Found		------
TH-230	74.82	127	5.80	3.876E+00	3.914E+00	3.914E+00	35.57
	77.11	190	9.70	4.138E+00	3.270E+00	3.270E+00	20.40
	87.09	74	3.41	5.087E+00	2.944E+00	2.944E+00	59.24
	242.00	90	7.25	4.600E+00	1.870E+00	1.870E+00	46.06
	295.22	111	18.42	3.988E+00	1.047E+00	1.047E+00	36.64
	351.93	225	35.60*	3.508E+00	1.244E+00	1.244E+00	17.49
PA-231	283.69	------	1.70	4.108E+00	------ Line Not Found		------
	301.36	14	5.35*	3.937E+00	4.624E-01	4.624E-01	215.81
TH-232	338.32	79	11.27	3.611E+00	1.346E+00	1.346E+00	37.17
	911.20	68	25.80*	1.587E+00	1.147E+00	1.147E+00	36.38
	968.97	20	15.80	1.496E+00	5.935E-01	5.935E-01	90.81
PA-234M	63.29	1	3.70*	2.294E+00	9.687E-02	9.687E-02	3526.61
	92.59	90	4.23	5.480E+00	2.689E+00	2.689E+00	69.29
TH-234	63.29	1	3.70*	2.294E+00	9.687E-02	9.687E-02	3526.61
	92.59	90	4.23	5.480E+00	2.689E+00	2.689E+00	69.29
U-234	74.82	127	5.80	3.876E+00	3.914E+00	3.914E+00	35.57
	77.11	190	9.70	4.138E+00	3.270E+00	3.270E+00	20.40
	87.09	74	3.41	5.087E+00	2.944E+00	2.944E+00	59.24
	242.00	90	7.25	4.600E+00	1.870E+00	1.870E+00	46.06
	295.22	111	18.42	3.988E+00	1.047E+00	1.047E+00	36.64
	351.93	225	35.60*	3.508E+00	1.244E+00	1.244E+00	17.49
U-235	89.96	------	3.47	5.289E+00	------ Line Not Found		------
	93.35	90	5.60	5.480E+00	2.032E+00	2.032E+00	69.29
	143.76	23	10.96*	6.133E+00	2.333E-01	2.333E-01	160.44
	163.33	31	5.08	5.832E+00	7.311E-01	7.311E-01	109.68
	185.72	59	57.20	5.458E+00	1.306E-01	1.306E-01	110.10
	205.31	17	5.01	5.139E+00	4.575E-01	4.575E-01	201.53
U-238	63.29	1	3.70*	2.294E+00	9.687E-02	9.687E-02	3526.61
	92.59	90	4.23	5.480E+00	2.689E+00	2.689E+00	69.29
PU-239	129.30	48	0.01*	6.262E+00	8.389E+02	8.389E+02	58.85
	375.05	------	0.00	3.348E+00	------ Line Not Found		------
	413.71	16	0.00	3.108E+00	2.501E+03	2.501E+03	141.71
AM-243	43.53	------	5.90	2.747E-01	------ Line Not Found		------

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	74.66	127	67.20*	3.876E+00	3.378E-01	3.378E-01	35.57
CM-247	278.00	19	3.40	4.171E+00	9.363E-01	9.363E-01	119.77
	287.50	------	2.00	4.068E+00	------	Line Not Found	------
	402.40	21	72.00*	3.176E+00	6.337E-02	6.337E-02	128.04
ANH-511	511.00	47	100.00*	2.640E+00	1.218E-01	1.218E-01	75.72

Flag: "*" = Keyline

Sample ID : G733378004 Acquisition date : 12-AUG-2025 07:17:35

Total number of lines in spectrum 55
Number of unidentified lines 13
Number of lines tentatively identified by NID 42 76.36%

Nuclide Type :

Nuclide	Hlife	Decay	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
K-40	1.25E+09Y	1.00	9.515E+00	9.515E+00	1.806E+00	18.98	
RB-84	32.82D	1.96	1.080E-01	2.116E-01	1.196E-01	56.51	
CD-109	461.40D	1.05	2.713E+00	2.846E+00	1.686E+00	59.24	
SN-126	2.30E+05Y	1.00	2.713E-01	2.713E-01	1.607E-01	59.24	
BA-140	12.75D	5.65	3.449E-01	1.948E+00	1.747E+00	89.70	
CE-141	32.51D	1.97	5.253E-02	1.036E-01	1.213E-01	117.07	
HG-203	46.59D	1.61	3.903E-02	6.269E-02	7.508E-02	119.77	
TL-208	1.41E+10Y	1.00	3.621E-01	3.621E-01	0.976E-01	26.96	
BI-211	7.04E+08Y	1.00	3.428E+00	3.428E+00	0.600E+00	17.49	
BI-212	1.41E+10Y	1.00	4.834E-01	4.834E-01	7.997E-01	165.43	
PB-212	1.41E+10Y	1.00	9.841E-01	9.841E-01	1.467E-01	14.91	
BI-214	1600.00Y	1.00	9.914E-01	9.914E-01	2.494E-01	25.16	
PB-214	1600.00Y	1.00	1.244E+00	1.244E+00	0.218E+00	17.49	
RN-219	7.04E+08Y	1.00	6.913E-01	6.913E-01	8.851E-01	128.04	
RN-222	1600.00Y	1.00	1.244E+00	1.244E+00	0.218E+00	17.49	
RA-224	1.41E+10Y	1.00	3.307E+00	3.307E+00	1.523E+00	46.06	
RA-226	1600.00Y	1.00	1.244E+00	1.244E+00	0.218E+00	17.49	
AC-228	1.41E+10Y	1.00	1.147E+00	1.147E+00	0.417E+00	36.38	
RA-228	1.41E+10Y	1.00	1.147E+00	1.147E+00	0.417E+00	36.38	
TH-228	1.41E+10Y	1.00	9.841E-01	9.841E-01	1.467E-01	14.91	
TH-229	7340.00Y	1.00	4.182E-01	4.182E-01	2.478E-01	59.24	K
TH-230	7.54E+04Y	1.00	1.244E+00	1.244E+00	0.218E+00	17.49	
PA-231	7.04E+08Y	1.00	4.624E-01	4.624E-01	9.979E-01	215.81	
TH-232	1.41E+10Y	1.00	1.147E+00	1.147E+00	0.417E+00	36.38	
PA-234M	4.47E+09Y	1.00	9.687E-02	9.687E-02	341.6E-02	3526.61	
TH-234	4.47E+09Y	1.00	9.687E-02	9.687E-02	341.6E-02	3526.61	
U-234	2.45E+05Y	1.00	1.244E+00	1.244E+00	0.218E+00	17.49	
U-235	7.04E+08Y	1.00	2.333E-01	2.333E-01	3.743E-01	160.44	
U-238	4.47E+09Y	1.00	9.687E-02	9.687E-02	341.6E-02	3526.61	
PU-239	24110.00Y	1.00	8.389E+02	8.389E+02	4.937E+02	58.85	
AM-243	7370.00Y	1.00	3.378E-01	3.378E-01	1.201E-01	35.57	
CM-247	1.56E+07Y	1.00	6.337E-02	6.337E-02	8.113E-02	128.04	
ANH-511	1.00E+09Y	1.00	1.218E-01	1.218E-01	0.922E-01	75.72	
Total Activity :			8.747E+02	8.766E+02			

Grand Total Activity : 8.747E+02 8.766E+02

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
0	37.77	23	104	0.87	76.28	74	7	6.17E-03	****	7.15E-02	
5	202.66	39	21	1.27	406.23	404	12	1.09E-02	45.3	5.18E+00	T
0	208.00	21	80	1.78	416.92	416	8	5.77E-03	****	5.09E+00	
0	328.12	21	28	0.84	657.24	654	6	5.81E-03	91.5	3.70E+00	T
1	410.47	30	36	1.58	821.98	816	21	8.42E-03	76.4	3.13E+00	T
0	463.70	40	41	1.73	928.48	923	10	1.14E-02	67.0	2.85E+00	T
0	718.16	25	27	5.87	1437.45	1428	19	7.08E-03	****	1.98E+00	
0	768.54	38	7	2.51	1538.21	1533	10	1.10E-02	41.0	1.86E+00	
0	807.21	16	5	2.36	1615.54	1612	8	4.55E-03	71.2	1.78E+00	
0	893.88	10	11	1.02	1788.86	1780	12	2.78E-03	****	1.62E+00	T
0	897.29	4	12	1.13	1795.69	1792	9	1.29E-03	****	1.61E+00	T
0	951.73	6	20	3.77	1904.54	1889	17	1.88E-03	****	1.52E+00	
0	1012.72	7	7	1.50	2026.50	2021	10	2.18E-03	****	1.43E+00	
0	1045.40	6	7	0.77	2091.84	2088	9	1.65E-03	****	1.39E+00	T
0	1052.79	5	6	0.50	2106.61	2098	12	1.48E-03	****	1.38E+00	
0	1145.59	11	3	2.62	2292.15	2287	11	3.32E-03	79.4	1.28E+00	
0	1379.37	8	5	0.65	2759.50	2754	10	2.22E-03	****	1.08E+00	
0	1543.18	11	0	4.24	3086.92	3081	11	3.33E-03	57.7	9.88E-01	
0	1588.79	8	3	3.70	3178.07	3172	12	2.49E-03	****	9.68E-01	
0	1730.84	14	0	1.16	3461.93	3454	14	4.17E-03	51.6	9.20E-01	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 08:18:31.13

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378004.CNF;1    *
* Acquisition date : 12-AUG-2025 07:17:35 Sensitivity     : 3.000          *
* Detector ID      : GAM02                Energy tolerance: 1.500          *
* Elapsed live time:    0 01:00:00.00     Abundance limit : 75.000         *
* Elapsed real time:    0 01:00:00.77     Half life ratio : *****          *
* Sample date      : 11-JUL-2025 11:30:00 Nuclide Library : SOLID          *
* Sample ID        : G733378004           Analyst initials: RXF2           *
* Batch Number     : 2831784              Sample Quantity : 1.0867E+02 GRAM   *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000     *
*                                         Dry Weight      :    0.00000     *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 19-SEP-2024 07:24:06 Eff. Geometry   : CAN           *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM02_CAN.CNF;21          *
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Combined Critical Level Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)
K-40	4.316E-01
RB-84	7.539E-02
CD-109	9.537E-01
SN-126	9.149E-02
BA-140	7.023E-01
CE-141	8.613E-02
HG-203	5.210E-02
TL-208	3.397E-02
BI-211	2.093E-01
BI-212	5.811E-01
PB-212	5.950E-02
BI-214	7.877E-02
PB-214	7.615E-02
RN-219	4.034E-01
RN-222	7.615E-02
RA-224	6.378E-01
RA-226	7.615E-02
AC-228	1.192E-01
RA-228	1.192E-01
TH-228	5.950E-02
TH-229	4.732E-01
TH-230	7.614E-02
PA-231	4.572E-01
TH-232	1.192E-01
PA-234M	1.403E+00
TH-234	1.403E+00
U-234	7.614E-02
U-235	1.915E-01
U-238	1.403E+00
PU-239	3.386E+02
AM-243	5.376E-02
CM-247	3.703E-02
ANH-511	2.956E-02

---- Non-Identified Nuclides ----

	Lc

Nuclide	(pCi/GRAM)	
BE-7	3.750E-01	NOT IDENT.
NA-22	5.180E-02	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF
AL-26	3.547E-02	NOT IDENT.
SC-46	4.172E-02	FAIL ABUN
V-48	1.171E-01	NOT IDENT.
CR-51	6.037E-01	NOT IDENT.
MN-52	2.717E+00	NOT IDENT.
MN-54	3.695E-02	NOT IDENT.
CO-56	3.720E-02	NOT IDENT.
MN-56	0.000E+00	SHORT HLIF
CO-57	2.622E-02	NOT IDENT.
CO-58	2.777E-02	NOT IDENT.
FE-59	1.234E-01	NOT IDENT.
CO-60	4.727E-02	NOT IDENT.
ZN-65	9.592E-02	NOT IDENT.
GE-68	8.921E-01	NOT IDENT.
AS-73	1.426E+00	NOT IDENT.
AS-74	1.612E-01	NOT IDENT.
SE-75	4.438E-02	NOT IDENT.
BR-77	0.000E+00	SHORT HLIF
SR-82	4.986E-01	NOT IDENT.
RB-83	9.038E-02	NOT IDENT.
KR-85	7.926E+00	NOT IDENT.
SR-85	5.004E-02	NOT IDENT.
RB-86	9.887E-01	NOT IDENT.
Y-88	4.934E-02	FAIL ABUN
Y-91	2.693E+01	NOT IDENT.
NB-94	3.245E-02	NOT IDENT.
NB-95	5.254E-02	NOT IDENT.
NB-95M	1.514E-01	NOT IDENT.
ZR-95	7.926E-02	NOT IDENT.
NB-97	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	SHORT HLIF
MO-99	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	SHORT HLIF
RH-101	2.852E-02	NOT IDENT.
RH-102	6.128E-02	FAIL ABUN
RU-103	4.859E-02	FAIL ABUN
RH-106	3.618E-01	NOT IDENT.
RU-106	3.618E-01	NOT IDENT.
AG-108M	2.700E-02	NOT IDENT.
AG-110	8.265E-01	NOT IDENT.
AG-110M	4.440E-02	NOT IDENT.
SN-113	4.866E-02	NOT IDENT.
CD-115	0.000E+00	SHORT HLIF
SN-117M	1.171E-01	NOT IDENT.
SB-122	0.000E+00	SHORT HLIF
TE-123M	2.939E-02	NOT IDENT.
SB-124	8.062E-02	NOT IDENT.
SB-125	1.019E-01	FAIL ABUN
TE-125M	1.258E+01	NOT IDENT.
I-126	6.964E-01	NOT IDENT.
SB-126	4.057E-01	FAIL ABUN
SB-127	2.633E+01	NOT IDENT.
I-131	5.494E-01	NOT IDENT.
I-132	0.000E+00	SHORT HLIF
TE-132	2.571E+01	NOT IDENT.
BA-133	4.546E-02	FAIL ABUN
I-133	0.000E+00	SHORT HLIF
CS-134	4.774E-02	NOT IDENT.
I-135	0.000E+00	SHORT HLIF
CS-136	2.124E-01	NOT IDENT.
BA-137M	3.803E-02	NOT IDENT.
CS-137	4.017E-02	NOT IDENT.
LA-138	7.448E-02	NOT IDENT.
CE-139	2.979E-02	NOT IDENT.
LA-140	2.221E-01	FAIL ABUN
CE-143	0.000E+00	SHORT HLIF
CE-144	2.096E-01	NOT IDENT.
PM-144	3.746E-02	NOT IDENT.
PR-144	2.831E+00	NOT IDENT.
PM-146	4.496E-02	NOT IDENT.
ND-147	1.608E+00	NOT IDENT.
PM-147	7.445E+02	NOT IDENT.
PM-149	0.000E+00	SHORT HLIF

EU-150	2.636E-02	FAIL ABUN
EU-152	9.189E-02	NOT IDENT.
GD-153	7.976E-02	NOT IDENT.
EU-154	1.444E-01	NOT IDENT.
EU-155	1.091E-01	FAIL ABUN
TB-160	1.390E-01	FAIL ABUN
HO-166M	4.721E-02	FAIL ABUN
TM-171	2.713E+01	NOT IDENT.
HF-172	1.897E-01	FAIL ABUN
LU-172	5.636E-02	FAIL ABUN
LU-176	2.919E-02	FAIL ABUN
HF-181	6.825E-02	NOT IDENT.
TA-182	1.914E-01	FAIL ABUN
RE-183	3.286E-01	NOT IDENT.
RE-184	1.557E-01	FAIL ABUN
W-188	8.520E+00	FAIL ABUN
IR-192	4.238E-02	FAIL ABUN
TL-204	5.026E+00	NOT IDENT.
BI-207	4.910E-02	FAIL ABUN
BI-210	7.324E+00	NOT IDENT.
PB-210	7.324E+00	NOT IDENT.
PB-211	7.650E-01	NOT IDENT.
BI-213	1.046E-01	NOT IDENT.
RA-223	6.345E-01	FAIL ABUN
AC-225	2.212E+00	NOT IDENT.
AC-227	2.538E-01	FAIL ABUN
TH-227	2.538E-01	FAIL ABUN
TH-231	6.345E-01	FAIL ABUN
PA-233	6.484E-02	FAIL ABUN
PA-234	2.980E-01	FAIL ABUN
NP-237	6.484E-02	FAIL ABUN
NP-238	0.000E+00	SHORT HLIF
NP-239	2.594E-01	FAIL ABUN
AM-241	2.088E-01	NOT IDENT.
CM-243	1.034E-01	FAIL ABUN
BK-247	7.328E-02	FAIL ABUN
CF-249	3.902E-02	NOT IDENT.
CF-251	1.258E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 08:18:35.44

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G733378004.CNF;1    *
* Acquisition date : 12-AUG-2025 07:17:35 Sensitivity     : 3.000       *
* Detector ID      : GAM02                Energy tolerance: 1.500       *
* Elapsed live time:    0 01:00:00.00     Abundance limit : 75.000      *
* Elapsed real time:    0 01:00:00.77     Half life ratio : *****       *
* Sample date      : 11-JUL-2025 11:30:00 Nuclide Library : SOLID       *
* Sample ID        : G733378004           Analyst initials: RXF2        *
* Batch Number     : 2831784              Sample Quantity : 1.0867E+02 GRAM   *
*                                         Quantity Err(%) : 1.8404E-03 %      *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000  *
*                                         Dry Weight      :    0.00000  *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 19-SEP-2024 07:24:06 Eff. Geometry   : CAN         *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM02_CAN.CNF;21         *
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Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Act Error (1.96-sigma)	TPU (1.96-sigma)
K-40	9.515E+00	2.084E+00	2.084E+00
RB-84	2.116E-01	1.199E-01	1.199E-01
CD-109	2.846E+00	1.680E+00	1.680E+00
SN-126	2.713E-01	1.595E-01	1.595E-01
BA-140	1.948E+00	1.720E+00	1.720E+00
CE-141	1.036E-01	1.191E-01	1.191E-01
HG-203	1.438E-02	7.497E-02	7.497E-02
TL-208	3.621E-01	1.004E-01	1.004E-01
BI-211	3.428E+00	6.660E-01	6.660E-01
BI-212	4.834E-01	7.851E-01	7.851E-01
PB-212	9.841E-01	1.701E-01	1.701E-01
BI-214	9.914E-01	2.581E-01	2.581E-01
PB-214	1.244E+00	2.409E-01	2.409E-01
RN-219	6.913E-01	8.731E-01	8.731E-01
RN-222	1.244E+00	2.409E-01	2.409E-01
RA-224	3.307E+00	1.524E+00	1.524E+00
RA-226	1.244E+00	2.409E-01	2.409E-01
AC-228	1.147E+00	4.336E-01	4.336E-01
RA-228	1.147E+00	4.336E-01	4.336E-01
TH-228	9.841E-01	1.701E-01	1.701E-01
TH-229	-6.049E-01	6.492E-01	6.492E-01
TH-230	1.244E+00	2.409E-01	2.409E-01
PA-231	4.624E-01	9.837E-01	9.837E-01
TH-232	1.147E+00	4.336E-01	4.336E-01
PA-234M	9.687E-02	3.348E+00	3.348E+00
TH-234	9.687E-02	3.348E+00	3.348E+00
U-234	1.244E+00	2.409E-01	2.409E-01
U-235	2.333E-01	3.673E-01	3.673E-01
U-238	9.687E-02	3.348E+00	3.348E+00
PU-239	8.389E+02	4.879E+02	4.879E+02
AM-243	3.378E-01	1.219E-01	1.219E-01
CM-247	6.337E-02	8.035E-02	8.035E-02
ANH-511	1.218E-01	9.094E-02	9.094E-02

---- Non-Identified Nuclides ----

Key-Line

Nuclide	Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	-3.693E-02	4.522E-01	4.525E-01	NOT IDENT.
NA-22	4.958E-03	6.176E-02	6.180E-02	NOT IDENT.
NA-24	2.482E+12	1.152E+14	1.152E+14	SHORT HLIF
AL-26	8.783E-03	3.902E-02	3.922E-02	NOT IDENT.
SC-46	1.378E-03	5.504E-02	5.505E-02	FAIL ABUN
V-48	-5.652E-03	1.397E-01	1.397E-01	NOT IDENT.
CR-51	4.897E-01	6.469E-01	6.835E-01	NOT IDENT.
MN-52	2.150E+00	2.838E+00	2.999E+00	NOT IDENT.
MN-54	-1.468E-02	4.551E-02	4.599E-02	NOT IDENT.
CO-56	-1.323E-02	4.860E-02	4.896E-02	NOT IDENT.
MN-56	-1.000E+41	3.550E+41	0.000E+00	SHORT HLIF
CO-57	-1.092E-04	3.129E-02	3.129E-02	NOT IDENT.
CO-58	-5.727E-02	5.525E-02	6.098E-02	NOT IDENT.
FE-59	9.711E-02	1.274E-01	1.347E-01	NOT IDENT.
CO-60	-5.484E-04	5.762E-02	5.762E-02	NOT IDENT.
ZN-65	2.237E-02	1.246E-01	1.250E-01	NOT IDENT.
GE-68	-1.004E+00	1.340E+00	1.414E+00	NOT IDENT.
AS-73	1.079E+00	1.551E+00	1.626E+00	NOT IDENT.
AS-74	-4.218E-02	2.033E-01	2.042E-01	NOT IDENT.
SE-75	-4.440E-02	5.515E-02	5.867E-02	NOT IDENT.
BR-77	2.007E+04	1.876E+04	2.083E+04	SHORT HLIF
SR-82	-5.712E-02	5.868E-01	5.873E-01	NOT IDENT.
RB-83	1.726E-02	1.060E-01	1.063E-01	NOT IDENT.
KR-85	4.962E+00	9.762E+00	1.001E+01	NOT IDENT.
SR-85	3.117E-02	6.165E-02	6.323E-02	NOT IDENT.
RB-86	-1.150E+00	1.498E+00	1.585E+00	NOT IDENT.
Y-88	1.118E-02	5.515E-02	5.538E-02	FAIL ABUN
Y-91	2.295E-02	3.243E+01	3.243E+01	NOT IDENT.
NB-94	-2.470E-02	4.441E-02	4.578E-02	NOT IDENT.
NB-95	2.978E-02	5.802E-02	5.955E-02	NOT IDENT.
NB-95M	-2.440E-02	2.091E-01	2.094E-01	NOT IDENT.
ZR-95	-9.717E-03	1.004E-01	1.005E-01	NOT IDENT.
NB-97	1.000E+41	1.685E+41	0.000E+00	SHORT HLIF
ZR-97	6.333E+12	2.897E+13	2.911E+13	SHORT HLIF
MO-99	2.160E+02	8.877E+02	8.930E+02	SHORT HLIF
TC-99M	-9.442E+35	5.438E+36	0.000E+00	SHORT HLIF
RH-101	8.413E-04	3.682E-02	3.682E-02	NOT IDENT.
RH-102	6.715E-02	6.360E-02	7.044E-02	FAIL ABUN
RU-103	-2.704E-02	6.241E-02	6.359E-02	FAIL ABUN
RH-106	1.991E-01	4.089E-01	4.187E-01	NOT IDENT.
RU-106	1.991E-01	4.089E-01	4.187E-01	NOT IDENT.
AG-108M	-2.168E-02	3.503E-02	3.636E-02	NOT IDENT.
AG-110	-2.978E-01	1.060E+00	1.069E+00	NOT IDENT.
AG-110M	-2.653E-02	6.663E-02	6.769E-02	NOT IDENT.
SN-113	1.549E-02	5.502E-02	5.546E-02	NOT IDENT.
CD-115	4.802E+02	2.478E+03	2.488E+03	SHORT HLIF
SN-117M	1.385E-02	1.407E-01	1.409E-01	NOT IDENT.
SB-122	-2.617E+01	1.694E+02	1.698E+02	SHORT HLIF
TE-123M	4.339E-03	3.524E-02	3.530E-02	NOT IDENT.
SB-124	-2.931E-02	1.067E-01	1.075E-01	NOT IDENT.
SB-125	5.483E-02	1.135E-01	1.161E-01	FAIL ABUN
TE-125M	1.275E+01	1.388E+01	1.502E+01	NOT IDENT.
I-126	6.047E-01	7.685E-01	8.154E-01	NOT IDENT.
SB-126	7.412E-02	4.884E-01	4.895E-01	FAIL ABUN
SB-127	-1.124E+01	3.447E+01	3.484E+01	NOT IDENT.
I-131	1.048E-01	6.287E-01	6.305E-01	NOT IDENT.
I-132	1.000E+41	2.876E+41	0.000E+00	SHORT HLIF
TE-132	-1.278E+01	3.357E+01	3.406E+01	NOT IDENT.
BA-133	3.802E-02	5.318E-02	5.587E-02	FAIL ABUN
I-133	2.359E+08	4.854E+09	4.855E+09	SHORT HLIF
CS-134	1.798E-02	5.277E-02	5.339E-02	NOT IDENT.
I-135	1.224E+34	2.016E+34	0.000E+00	SHORT HLIF
CS-136	-7.502E-03	4.022E-01	4.022E-01	NOT IDENT.
BA-137M	-1.690E-02	4.804E-02	4.864E-02	NOT IDENT.
CS-137	-1.786E-02	5.075E-02	5.139E-02	NOT IDENT.
LA-138	2.535E-02	8.525E-02	8.601E-02	NOT IDENT.
CE-139	-2.297E-02	4.246E-02	4.370E-02	NOT IDENT.
LA-140	-3.854E-02	2.786E-01	2.792E-01	FAIL ABUN
CE-143	-4.412E+04	6.956E+05	6.959E+05	SHORT HLIF
CE-144	5.724E-02	2.464E-01	2.478E-01	NOT IDENT.
PM-144	-6.173E-03	4.717E-02	4.725E-02	NOT IDENT.
PR-144	-4.551E-01	3.563E+00	3.569E+00	NOT IDENT.
PM-146	-1.314E-02	5.502E-02	5.534E-02	NOT IDENT.
ND-147	4.742E-01	2.061E+00	2.072E+00	NOT IDENT.
PM-147	2.973E+02	8.608E+02	8.712E+02	NOT IDENT.

PM-149	-1.503E+03	1.970E+04	1.971E+04	SHORT HLIF
EU-150	-1.040E-02	3.548E-02	3.579E-02	FAIL ABUN
EU-152	2.543E-02	1.035E-01	1.042E-01	NOT IDENT.
GD-153	-1.230E-01	1.148E-01	1.275E-01	NOT IDENT.
EU-154	1.048E-02	1.728E-01	1.729E-01	NOT IDENT.
EU-155	8.345E-02	1.220E-01	1.277E-01	FAIL ABUN
TB-160	7.797E-02	1.606E-01	1.644E-01	FAIL ABUN
HO-166M	-9.771E-04	6.585E-02	6.586E-02	FAIL ABUN
TM-171	-7.736E-01	3.096E+01	3.096E+01	NOT IDENT.
HF-172	6.680E-02	2.381E-01	2.400E-01	FAIL ABUN
LU-172	-2.292E-02	7.262E-02	7.335E-02	FAIL ABUN
LU-176	1.339E-02	3.229E-02	3.285E-02	FAIL ABUN
HF-181	9.073E-02	6.958E-02	8.071E-02	NOT IDENT.
TA-182	-8.134E-02	2.483E-01	2.510E-01	FAIL ABUN
RE-183	2.304E-01	3.593E-01	3.740E-01	NOT IDENT.
RE-184	3.433E-02	1.808E-01	1.814E-01	FAIL ABUN
W-188	-8.243E-01	1.095E+01	1.095E+01	FAIL ABUN
IR-192	-1.574E-02	5.048E-02	5.098E-02	FAIL ABUN
TL-204	1.081E+00	6.150E+00	6.169E+00	NOT IDENT.
BI-207	-2.017E-02	6.272E-02	6.338E-02	FAIL ABUN
BI-210	3.887E+00	8.106E+00	8.294E+00	NOT IDENT.
PB-210	3.887E+00	8.106E+00	8.294E+00	NOT IDENT.
PB-211	-4.554E-01	1.374E+00	1.389E+00	NOT IDENT.
BI-213	-3.072E-02	1.278E-01	1.286E-01	NOT IDENT.
RA-223	1.956E-01	7.420E-01	7.472E-01	FAIL ABUN
AC-225	3.155E+00	2.458E+00	2.840E+00	NOT IDENT.
AC-227	-3.334E-01	3.216E-01	3.550E-01	FAIL ABUN
TH-227	-3.334E-01	3.216E-01	3.550E-01	FAIL ABUN
TH-231	1.956E-01	7.420E-01	7.472E-01	FAIL ABUN
PA-233	-3.409E-02	7.829E-02	7.978E-02	FAIL ABUN
PA-234	-3.030E-01	5.345E-01	5.516E-01	FAIL ABUN
NP-237	-3.409E-02	7.829E-02	7.978E-02	FAIL ABUN
NP-238	8.058E+02	4.594E+03	4.609E+03	SHORT HLIF
NP-239	-1.981E-01	3.265E-01	3.385E-01	FAIL ABUN
AM-241	2.561E-01	2.344E-01	2.613E-01	NOT IDENT.
CM-243	-2.816E-02	1.246E-01	1.252E-01	FAIL ABUN
BK-247	-6.897E-02	9.155E-02	9.669E-02	FAIL ABUN
CF-249	5.589E-03	4.498E-02	4.505E-02	NOT IDENT.
CF-251	-4.476E-02	1.585E-01	1.597E-01	NOT IDENT.

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

GAMMA SPECTROSCOPY BACKGROUND REPORT

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
43.53	64.3670	85.43	112.5511	133.02	71.5085
45.60	65.7242	86.55	112.8485	133.52	63.0251
46.54	58.1376	86.79	112.9113	136.00	69.7280
49.72	57.9109	86.94	112.9511	136.47	65.4892
51.35	57.3491	87.09	112.9901	140.51	0.0000
51.87	53.9135	87.57	113.1166	143.76	63.0251
52.39	56.6626	88.03	113.2370	144.24	63.0738
52.97	49.6744	88.34	113.3184	145.44	63.1968
53.44	43.5320	88.47	113.3521	152.43	62.7986
54.07	56.0844	89.96	103.9345	153.25	51.8473
57.36	0.0000	1093.63	56.9579	323.87	58.5526
57.53	66.6032	91.11	104.2063	156.02	60.9317
57.98	55.8803	92.59	81.8671	158.56	51.1586
59.27	60.6257	93.35	82.0052	159.00	53.4185
59.32	52.4899	94.56	82.2249	162.33	44.7375
59.54	48.2990	94.65	82.2414	162.66	55.2034
60.96	61.8445	94.67	82.2445	163.33	65.7126
61.17	61.8834	94.87	82.2806	165.86	65.9579
62.93	56.7163	97.43	74.4325	176.31	58.2014
63.29	56.7759	98.43	70.9296	176.60	58.2248
63.58	56.8236	98.44	70.9307	177.52	62.8720
64.28	67.3468	99.53	59.0797	181.07	0.0000
66.73	70.2828	100.11	51.1315	181.52	45.9784
67.24	67.6049	102.03	77.5099	184.41	51.9289
125.81	56.5611	103.18	69.6228	143.76	52.0210
67.75	56.5718	103.37	67.6313	193.51	67.7440
68.89	71.6359	105.31	55.7394	197.03	62.1870
69.67	62.1546	106.12	64.9673	198.01	49.3424
70.82	61.1010	106.47	73.1398	201.83	40.9255
70.83	61.1030	109.28	55.1643	203.43	53.6258
72.81	72.3955	111.00	86.1027	205.31	53.7517
72.87	72.4066	111.76	72.8856	210.85	58.8957
74.66	72.7468	114.06	71.1489	215.65	52.8348
74.82	72.7767	116.30	71.4537	218.12	43.3564
74.97	72.8049	116.74	76.6958	222.11	45.9820
77.11	73.2050	119.76	75.0465	227.09	54.7689
78.74	63.6419	121.12	56.4266	227.38	54.7871
79.69	80.3784	121.22	56.4369	228.16	53.6176
80.03	70.8683	121.78	60.6798	228.18	53.6190
80.12	70.8852	122.06	63.8510	116.74	53.6190
80.19	70.8977	122.92	59.7580	235.69	62.2726
80.57	51.7843	123.07	59.7741	235.96	62.2912
81.00	81.9186	265.00	68.2393	238.63	55.4899
81.07	81.9329	125.81	57.6116	238.98	0.0000
81.75	83.3513	127.23	53.5312	240.99	55.6348
82.47	86.0666	127.91	59.2379	242.00	55.6966
83.79	112.1130	129.30	67.8662	244.70	52.9655
84.00	112.1697	131.20	73.7672	252.40	44.2271

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.80	46.7504	345.93	26.4211	564.24	0.0000
254.15	0.0000	351.06	34.7676	569.33	12.7158
256.23	63.6781	351.93	34.7931	946.00	12.7168
260.90	0.0000	355.39	0.0000	569.70	15.8978
264.66	47.3332	356.01	24.8038	583.19	18.1524
264.80	47.3400	364.49	34.2238	584.27	18.1635
265.00	47.3503	366.42	0.0000	595.83	18.2776
269.46	48.4150	372.51	22.3408	427.87	24.7922
270.03	49.7176	375.05	36.3760	602.52	0.0000
271.23	44.2474	377.52	23.3632	604.72	25.9268
273.65	33.2665	356.01	28.1732	607.14	17.8475
276.40	37.6344	388.16	25.4394	609.32	25.9902
277.37	33.3895	388.63	28.2764	610.33	26.0039
277.60	33.3974	391.69	23.6181	614.28	21.1718
278.00	35.9810	264.66	19.9729	618.01	25.0205
279.20	46.3151	401.81	27.6052	620.36	17.4271
279.54	46.3315	402.40	27.6170	621.93	16.3513
279.70	46.3381	404.85	40.0697	630.19	0.0000
280.46	45.0851	410.95	29.7071	631.29	9.8584
283.69	43.0735	413.71	29.7670	633.25	16.4471
284.31	44.8240	414.70	29.7884	634.78	24.1413
285.41	39.6941	423.72	33.8493	635.95	18.6657
285.90	0.0000	427.09	19.3888	636.99	16.4783
287.50	44.9626	427.87	24.2493	657.50	24.4188
290.67	40.3289	433.94	29.2230	657.76	18.8718
293.27	0.0000	439.40	30.3113	657.90	0.0000
351.93	28.7448	440.45	28.3764	661.66	21.1322
295.96	28.7642	453.88	30.6115	664.57	0.0000
879.38	41.9424	463.37	27.8240	666.33	18.9514
299.98	35.4350	468.07	23.9229	666.50	18.9528
300.09	35.4383	473.00	21.0000	667.71	0.0000
300.13	35.4400	475.06	23.0309	677.62	26.9023
301.36	35.4803	476.78	16.0391	685.70	20.2559
302.85	39.4775	477.60	21.0628	692.65	0.0000
256.23	34.2654	482.18	14.0832	695.00	18.0846
304.85	38.2315	487.02	16.1445	696.49	21.4910
306.78	36.0986	492.35	0.0000	696.51	21.4910
308.46	42.3262	497.08	23.3552	697.00	22.6278
311.90	42.4590	505.52	22.9674	697.30	22.6310
316.51	42.6357	507.63	0.0000	697.49	16.9745
319.41	33.8399	511.00	23.5566	702.65	23.8224
320.08	27.6226	514.00	23.0869	706.68	15.9118
321.04	42.8076	514.00	23.0869	711.68	10.2528
323.87	30.0398	520.40	23.6907	720.70	18.3034
325.23	28.1957	520.69	0.0000	721.93	0.0000
328.76	43.0977	522.65	0.0000	722.78	24.0463
333.37	48.6782	527.90	0.0000	722.91	24.0471
333.97	37.8801	528.26	13.9708	723.31	25.1967
334.37	40.6000	529.59	23.3029	724.19	27.4990
338.28	28.0622	529.87	0.0000	727.33	22.3747
338.32	28.0628	531.02	17.1036	733.00	12.6543
311.90	21.7661	537.26	22.8889	735.93	9.2152
340.48	21.7661	546.56	0.0000	333.97	17.2906
340.55	21.7671	552.55	16.7943	739.50	0.0000
344.28	25.4747	563.25	21.1206	744.23	17.3431

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
747.24	16.2091	964.08	22.7278	1457.56	0.0000
748.06	11.5820	966.17	22.7446	1460.82	8.7910
752.31	18.5664	968.97	34.9110	1489.16	2.2134
753.82	12.7729	983.53	7.6287	1505.03	5.5551
756.73	13.9521	984.45	0.0000	1584.12	3.0195
756.80	13.9526	1274.44	11.4946	1596.21	6.0563
884.68	13.9961	1002.74	15.3608	1620.50	2.7407
765.81	7.0039	1004.73	21.1359	1621.92	4.5693
766.84	8.4085	507.63	0.0000	1678.03	0.0000
772.60	0.0000	1025.87	0.0000	1690.97	3.7131
776.52	14.0732	1028.54	0.0000	1750.46	0.0000
739.50	0.0000	1037.84	14.5752	1764.49	4.7161
778.90	14.0874	1038.76	0.0000	1063.66	3.1479
783.70	10.5875	631.29	7.7964	1771.35	13.2248
788.74	13.2628	1048.07	7.8003	1791.20	0.0000
792.07	16.8233	1049.04	7.8027	1808.65	2.8563
795.86	15.9637	1050.41	7.8066	1810.72	0.0000
810.06	11.4199	1063.66	12.7413	1836.06	3.8301
810.29	11.4211	1077.00	10.8288		
344.28	15.7051	1077.34	10.8301		
810.76	15.7067	1085.87	11.8477		
815.77	12.5200	1093.63	10.8879		
1048.07	9.8486	1099.45	5.9498		
832.01	16.2054	1112.07	8.9610		
834.85	17.1254	1112.84	12.9468		
836.80	0.0000	1115.54	11.1638		
846.75	0.0000	1120.29	13.9761		
846.77	9.9627	1120.55	13.9769		
856.80	14.5493	1221.41	13.9803		
860.56	11.8388	1129.67	12.5868		
871.09	13.7173	1131.51	0.0000		
873.19	7.3218	1147.95	0.0000		
875.33	0.0000	1173.23	14.2076		
879.38	5.8717	1177.95	14.2281		
880.51	5.8742	1189.05	6.1183		
881.60	7.3459	1204.77	13.3190		
883.24	10.2908	1221.41	13.3848		
884.68	13.2385	1231.02	12.3896		
889.28	10.3147	1235.36	22.7439		
894.76	3.6917	1238.28	16.5547		
898.04	10.3496	1260.41	0.0000		
900.72	13.3203	1271.87	11.4921		
903.28	8.4657	1274.44	12.5457		
911.20	9.2871	1274.54	12.5464		
912.08	9.2902	1291.59	7.3538		
923.98	0.0000	1298.22	0.0000		
926.50	11.2086	1312.11	10.5658		
929.11	10.2846	1332.49	10.6250		
935.54	11.2463	1362.66	0.0000		
937.49	14.0680	1365.19	4.2877		
944.13	15.0425	1368.63	0.0000		
946.00	19.7567	1384.29	12.0668		
949.00	19.7785	1408.01	5.4205		
667.71	0.0000	1434.09	5.4572		
962.31	23.6595	1435.80	7.6434		

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 08:20:48.80

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1206172840.CNF;1
Background file  : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM06.CNF;1011
                                    Background date  : 10-AUG-2025 10:28:39
Sample date      : 23-JUL-2025 00:00:00 Acquisition date : 12-AUG-2025 07:20:16
Sample ID        : G1206172840          Sample quantity  : 1.15570E+02 GRAM
Detector name    : GAM06                Detector geometry: CAN
Elapsed live time: 0 01:00:00.00        Elapsed real time: 0 01:00:00.35  0.0%
Energy tolerance : 1.50000 keV          Analyst Initials : RXF2
Abundance limit  : 75.00000             Sensitivity      : 3.00000
Batch ID         : 2831784              Detector SN#     :
Matrix Spike ID  :                      LCS ID           :
*************************************************************************
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BACKGROUND CORRECTED SAMPLE PEAK REPORT

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	42.61	37	61	1.69	85.63	79	16	1.03E-02	49.7	
2	0	64.66*	20	35	1.15	129.70	125	12	5.62E-03	64.1	
3	2	94.54	13	18	1.12	189.39	181	12	3.53E-03	78.4	2.22E+00
4	0	105.79	6	36	0.94	211.87	206	10	1.57E-03	200.8	
5	0	144.37*	11	13	0.83	288.94	287	6	2.94E-03	70.1	
6	0	185.50*	7	16	1.02	371.14	366	9	1.97E-03	136.1	
7	0	205.43*	14	28	0.79	410.94	406	10	3.97E-03	76.5	
8	0	238.89*	7	23	1.68	477.80	473	9	1.99E-03	136.8	
9	0	268.17	34	21	4.88	536.31	529	14	9.46E-03	33.3	
10	0	341.18	14	14	2.95	682.21	673	12	3.81E-03	62.3	
11	0	389.25	14	6	1.79	778.26	774	8	3.93E-03	40.0	
12	0	538.89	11	2	1.15	1077.34	1073	9	2.96E-03	39.9	
13	0	546.30	8	5	0.97	1092.14	1086	8	2.08E-03	59.6	
14	0	551.34	6	5	0.59	1102.23	1097	7	1.62E-03	77.2	
15	0	1039.66	8	2	1.24	2078.42	2075	8	2.08E-03	48.1	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 12-AUG-2025 08:20:50

Configuration : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1206172840.CNF;1
Analyses by : PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4,INTERF V2.4
Sample title : RXF2
Sample date : 23-JUL-2025 00:00:00 Acquisition date : 12-AUG-2025 07:20:16
Sample ID : G1206172840 Sample quantity : 115.57 GRAM
Sample type : SOLID Sample geometry :
Detector name : GAMMA6 Detector geometry: CAN
Elapsed live time: 0 01:00:00.00 Elapsed real time: 0 01:00:00.35 0.0%
Energy tolerance : 1.50 keV Half life ratio : 10.00
Errors propagated: No Systematic Error : 0.00 %
Efficiency type : Empirical Efficiencies at : Peak Energy
Abundance limit : 75.00

Interference Report

Interfering		Interfered	
Nuclide	Line	Nuclide	Line
U-235	143.76	CE-141	145.44

Nuclide Type:

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error	Status
CE-141	145.44	48.29*	6.067E+00	2.003E-02	3.089E-02	178.27	OK
U-235	89.96	3.47	5.440E+00	----- Line Not Found		-----	Absent
	93.35	5.60	5.694E+00	2.748E-01	2.748E-01	156.78	OK
	143.76	10.96*	6.075E+00	----- Line Not Found		-----	<<INT Reject
	163.33	5.08	5.765E+00	----- Line Not Found		-----	Absent
	185.72	57.20	5.378E+00	1.551E-02	1.551E-02	272.11	OK
	205.31	5.01	5.044E+00	3.783E-01	3.783E-01	152.91	OK
CF-249	252.80	2.50	4.369E+00	----- Line Not Found		-----	Absent
	333.37	14.60	3.559E+00	----- Line Not Found		-----	Absent
	388.16	66.00*	3.162E+00	4.408E-02	4.409E-02	79.96	OK

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 08:20:50.93

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1206172840.CNF;1		
Acquisition date	: 12-AUG-2025 07:20:16	Sensitivity	: 3.000
Detector ID	: GAM06	Energy tolerance	: 1.500
Elapsed live time	: 0 01:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 01:00:00.35	Half life ratio	: *****
Sample date	: 23-JUL-2025 00:00:00	Analyst initials	: RXF2
Sample ID	: G1206172840	Sample Quantity	: 1.1557E+02 GRAM
Batch Number	: 2831784	Wet Weight	: 0.00000
Wet wt corr	: 1.00000	Dry Weight	: 0.00000
Nuclide Library	: SOLID.NLB;19		

CALIBRATION INFORMATION

Eff. Cal. date	: 23-SEP-2024 11:03:33	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM06_CAN.CNF;23		

Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Cnt uncert (1.96-sigma)	MDA (pCi/GRAM)
CE-141	3.089E-02	5.396E-02	7.284E-02
U-235	1.081E-01	1.486E-01	2.546E-01
CF-249	4.409E-02	3.454E-02	5.744E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	9.042E-02	2.300E-01	5.071E-01	NOT IDENT.
NA-22	9.970E-03	2.342E-02	6.253E-02	NOT IDENT.
NA-24	0.000E+00	1.947E+08	0.000E+00	SHORT HLIF
AL-26	-2.296E-02	2.598E-02	2.047E-02	NOT IDENT.
K-40	-1.630E-01	3.473E-01	7.458E-01	NOT IDENT.
SC-46	-1.762E-02	3.272E-02	6.008E-02	NOT IDENT.
V-48	3.427E-03	6.267E-02	1.377E-01	NOT IDENT.
CR-51	-1.042E-01	2.582E-01	4.961E-01	NOT IDENT.
MN-52	-2.547E-01	3.215E-01	5.971E-01	NOT IDENT.
MN-54	-1.806E-03	2.101E-02	4.609E-02	NOT IDENT.
CO-56	-9.623E-03	3.324E-02	6.543E-02	NOT IDENT.
MN-56	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CO-57	8.994E-03	1.514E-02	3.190E-02	NOT IDENT.
CO-58	-1.614E-02	2.756E-02	5.086E-02	NOT IDENT.
FE-59	1.958E-03	6.234E-02	1.389E-01	NOT IDENT.
CO-60	-1.396E-03	2.573E-02	5.747E-02	NOT IDENT.
ZN-65	-2.313E-02	4.414E-02	8.053E-02	NOT IDENT.
GE-68	-4.437E-02	9.182E-01	1.952E+00	NOT IDENT.
AS-73	-3.724E-01	6.173E-01	1.205E+00	NOT IDENT.
AS-74	-1.370E-02	8.183E-02	1.581E-01	NOT IDENT.
SE-75	-3.579E-02	3.666E-02	4.638E-02	NOT IDENT.
BR-77	1.700E+01	4.559E+01	6.552E+01	FAIL ABUN
SR-82	2.645E-01	2.596E-01	6.786E-01	NOT IDENT.
RB-83	6.779E-03	4.923E-02	1.039E-01	FAIL ABUN
RB-84	-2.822E-02	4.525E-02	8.152E-02	NOT IDENT.
KR-85	-1.712E+01	8.653E+00	1.145E+01	NOT IDENT.
SR-85	-9.592E-02	4.842E-02	6.402E-02	NOT IDENT.

RB-86	2.436E-01	6.031E-01	1.496E+00	NOT IDENT.
Y-88	-2.339E-04	3.462E-02	8.097E-02	NOT IDENT.
Y-91	3.263E+00	5.874E+00	2.136E+01	NOT IDENT.
NB-94	1.455E-02	2.501E-02	5.623E-02	NOT IDENT.
NB-95	-4.724E-03	2.702E-02	5.658E-02	NOT IDENT.
NB-95M	6.385E-02	7.044E-02	1.509E-01	NOT IDENT.
ZR-95	3.603E-02	4.504E-02	1.179E-01	NOT IDENT.
NB-97	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	3.270E+08	0.000E+00	SHORT HLIF
MO-99	-9.562E+00	2.732E+01	5.530E+01	NOT IDENT.
TC-99M	0.000E+00	3.668E+22	0.000E+00	SHORT HLIF
RH-101	-1.020E-02	1.954E-02	3.495E-02	NOT IDENT.
RH-102	-3.165E-03	3.619E-02	7.259E-02	NOT IDENT.
RU-103	3.189E-02	2.913E-02	7.219E-02	NOT IDENT.
RH-106	6.225E-02	2.081E-01	4.589E-01	NOT IDENT.
RU-106	6.225E-02	2.081E-01	4.589E-01	NOT IDENT.
AG-108M	2.915E-03	1.856E-02	3.955E-02	NOT IDENT.
CD-109	-1.586E-01	4.241E-01	8.003E-01	NOT IDENT.
AG-110	9.799E-03	5.098E-01	1.040E+00	NOT IDENT.
AG-110M	1.311E-02	3.308E-02	7.982E-02	NOT IDENT.
SN-113	-6.762E-03	3.302E-02	5.755E-02	NOT IDENT.
CD-115	9.203E+00	3.981E+01	8.498E+01	NOT IDENT.
SN-117M	5.902E-03	4.432E-02	8.616E-02	NOT IDENT.
SB-122	-4.127E+00	5.116E+00	8.179E+00	NOT IDENT.
TE-123M	-5.333E-03	1.906E-02	3.469E-02	NOT IDENT.
SB-124	1.633E-02	8.294E-02	2.033E-01	NOT IDENT.
SB-125	2.215E-02	6.933E-02	1.461E-01	NOT IDENT.
TE-125M	-6.730E+00	5.385E+00	7.054E+00	NOT IDENT.
I-126	-9.921E-02	2.273E-01	4.010E-01	FAIL ABUN
SB-126	1.354E-01	1.434E-01	3.539E-01	NOT IDENT.
SN-126	1.947E-02	3.867E-02	8.220E-02	FAIL ABUN
SB-127	-1.788E+00	2.372E+00	3.702E+00	NOT IDENT.
I-131	3.261E-02	1.267E-01	2.677E-01	NOT IDENT.
I-132	0.000E+00	1.080E+41	0.000E+00	SHORT HLIF
TE-132	-2.673E-02	1.616E+00	2.975E+00	NOT IDENT.
BA-133	-2.025E-02	2.573E-02	4.492E-02	NOT IDENT.
I-133	0.000E+00	2.685E+05	0.000E+00	SHORT HLIF
CS-134	-9.897E-03	2.535E-02	5.017E-02	NOT IDENT.
I-135	0.000E+00	1.962E+21	0.000E+00	SHORT HLIF
CS-136	3.505E-02	1.119E-01	2.532E-01	FAIL ABUN
BA-137M	-2.002E-02	2.576E-02	4.035E-02	NOT IDENT.
CS-137	-2.115E-02	2.722E-02	4.262E-02	NOT IDENT.
LA-138	-2.950E-03	3.606E-02	9.259E-02	NOT IDENT.
CE-139	5.253E-03	1.922E-02	3.843E-02	NOT IDENT.
BA-140	-1.266E-02	2.573E-01	4.649E-01	NOT IDENT.
LA-140	-6.565E-02	1.266E-01	2.345E-01	NOT IDENT.
CE-143	0.000E+00	8.450E+02	0.000E+00	SHORT HLIF
CE-144	-5.825E-02	1.045E-01	1.863E-01	NOT IDENT.
PM-144	7.810E-03	2.388E-02	5.211E-02	NOT IDENT.
PR-144	5.547E-01	1.783E+00	3.882E+00	NOT IDENT.
PM-146	2.092E-04	2.802E-02	5.737E-02	NOT IDENT.
ND-147	-1.554E-01	5.891E-01	1.114E+00	NOT IDENT.
PM-147	-9.869E+01	4.263E+02	8.064E+02	NOT IDENT.
PM-149	8.917E+01	3.355E+02	6.997E+02	NOT IDENT.
EU-150	-5.641E-03	1.638E-02	3.016E-02	NOT IDENT.
EU-152	2.006E-02	5.986E-02	1.220E-01	NOT IDENT.
GD-153	1.358E-02	4.258E-02	8.517E-02	NOT IDENT.
EU-154	3.157E-02	6.783E-02	1.814E-01	NOT IDENT.
EU-155	3.053E-02	1.202E-01	1.242E-01	FAIL ABUN
TB-160	5.941E-03	6.606E-02	1.626E-01	NOT IDENT.
HO-166M	2.830E-03	4.457E-02	9.063E-02	FAIL ABUN
TM-171	7.337E+00	1.150E+01	2.618E+01	NOT IDENT.
HF-172	2.829E-02	1.177E-01	2.349E-01	NOT IDENT.
LU-172	-8.802E-03	2.879E-02	6.116E-02	NOT IDENT.
LU-176	-5.796E-03	1.125E-02	2.178E-02	NOT IDENT.
HF-181	-2.576E-02	2.888E-02	4.570E-02	NOT IDENT.
TA-182	1.320E-01	1.100E-01	3.250E-01	NOT IDENT.
RE-183	-8.080E-02	1.176E-01	2.209E-01	NOT IDENT.
RE-184	-2.811E-02	7.859E-02	1.586E-01	NOT IDENT.
W-188	1.651E+00	4.956E+00	1.059E+01	FAIL ABUN
IR-192	-9.343E-03	2.484E-02	4.759E-02	NOT IDENT.
HG-203	-8.936E-03	2.408E-02	4.698E-02	NOT IDENT.
TL-204	4.094E-01	2.341E+00	4.928E+00	NOT IDENT.
BI-207	-2.415E-04	2.653E-02	6.224E-02	NOT IDENT.
TL-208	-1.395E-02	2.595E-02	5.138E-02	NOT IDENT.
BI-210	-2.882E-01	3.047E+00	5.834E+00	NOT IDENT.
PB-210	-2.882E-01	3.047E+00	5.834E+00	NOT IDENT.
BI-211	-3.830E-02	1.466E-01	2.773E-01	NOT IDENT.

PB-211	8.897E-03	4.994E-01	9.936E-01	NOT IDENT.
BI-212	2.873E-01	3.305E-01	8.353E-01	NOT IDENT.
PB-212	2.399E-02	6.433E-02	9.004E-02	FAIL ABUN
BI-213	-2.581E-02	6.940E-02	1.309E-01	NOT IDENT.
BI-214	1.165E-02	6.338E-02	1.333E-01	NOT IDENT.
PB-214	1.458E-02	4.981E-02	1.037E-01	NOT IDENT.
RN-219	-1.190E-01	2.552E-01	4.754E-01	NOT IDENT.
RN-222	1.458E-02	4.981E-02	1.037E-01	NOT IDENT.
RA-223	-6.883E-02	4.093E-01	8.153E-01	FAIL ABUN
RA-224	-5.929E-02	4.357E-01	7.231E-01	NOT IDENT.
AC-225	-2.545E-01	5.602E-01	9.641E-01	NOT IDENT.
RA-226	1.458E-02	4.981E-02	1.037E-01	NOT IDENT.
AC-227	3.798E-02	1.439E-01	2.905E-01	NOT IDENT.
TH-227	3.798E-02	1.439E-01	2.905E-01	NOT IDENT.
AC-228	-2.446E-02	1.265E-01	2.456E-01	NOT IDENT.
RA-228	-2.446E-02	1.265E-01	2.456E-01	NOT IDENT.
TH-228	2.399E-02	6.433E-02	9.004E-02	FAIL ABUN
TH-229	9.474E-02	3.005E-01	6.048E-01	NOT IDENT.
TH-230	1.458E-02	4.981E-02	1.037E-01	NOT IDENT.
PA-231	2.168E-01	3.266E-01	7.193E-01	NOT IDENT.
TH-231	-6.883E-02	4.093E-01	8.153E-01	FAIL ABUN
TH-232	-2.446E-02	1.265E-01	2.456E-01	NOT IDENT.
PA-233	-7.444E-03	4.375E-02	8.678E-02	FAIL ABUN
PA-234	2.741E-02	2.742E-01	5.758E-01	FAIL ABUN
PA-234M	1.351E+00	1.697E+00	1.902E+00	FAIL ABUN
TH-234	1.351E+00	1.697E+00	1.902E+00	FAIL ABUN
U-234	1.458E-02	4.981E-02	1.037E-01	NOT IDENT.
NP-237	-7.444E-03	4.375E-02	8.678E-02	FAIL ABUN
NP-238	7.725E+00	8.938E+01	1.927E+02	NOT IDENT.
U-238	1.351E+00	1.697E+00	1.902E+00	FAIL ABUN
NP-239	-1.261E-02	1.312E-01	2.583E-01	FAIL ABUN
PU-239	-6.138E+01	2.012E+02	3.726E+02	NOT IDENT.
AM-241	2.923E-02	8.495E-02	1.850E-01	NOT IDENT.
AM-243	2.435E-03	2.806E-02	5.706E-02	FAIL ABUN
CM-243	7.332E-04	5.416E-02	1.019E-01	NOT IDENT.
BK-247	-4.162E-02	6.721E-02	9.695E-02	FAIL ABUN
CM-247	-1.187E-02	2.320E-02	4.277E-02	NOT IDENT.
CF-251	-5.817E-03	8.010E-02	1.504E-01	NOT IDENT.
ANH-511	-4.742E-02	4.515E-02	9.807E-02	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 08:20:49.57

Nuclide Line Activity Report

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
CE-141	145.44	11	48.29*	6.067E+00	2.453E-02	3.784E-02	140.27
U-235	89.96	------	3.47	5.440E+00	------ Line Not Found		------
	93.35	13	5.60	5.694E+00	2.748E-01	2.748E-01	156.78
	143.76	11	10.96*	6.067E+00	1.081E-01	1.081E-01	140.27
	163.33	------	5.08	5.765E+00	------ Line Not Found		------
	185.72	7	57.20	5.378E+00	1.551E-02	1.551E-02	272.11
	205.31	15	5.01	5.044E+00	3.783E-01	3.783E-01	152.91
CF-249	252.80	------	2.50	4.369E+00	------ Line Not Found		------
	333.37	------	14.60	3.559E+00	------ Line Not Found		------
	388.16	14	66.00*	3.162E+00	4.408E-02	4.409E-02	79.96

Flag: "*" = Keyline

Sample ID : G1206172840 Acquisition date : 12-AUG-2025 07:20:16

Total number of lines in spectrum 15
Number of unidentified lines 1
Number of lines tentatively identified by NID 14 93.33%

Nuclide Type :

Nuclide	Hlife	Decay	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
CE-141	32.51D	1.54	2.453E-02	3.784E-02	5.308E-02	140.27	
U-235	7.04E+08Y	1.00	1.081E-01	1.081E-01	1.516E-01	140.27	
CF-249	351.00Y	1.00	4.408E-02	4.409E-02	3.525E-02	79.96	
	Total Activity :		1.767E-01	1.900E-01			
	Grand Total Activity :		1.767E-01	1.900E-01			

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

Sample ID : G1206172840 Acquisition date : 12-AUG-2025 07:20:16

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
0	42.61	41	67	1.69	85.63	79	16	1.03E-02	99.5	3.18E-01	T
0	64.66	22	38	1.15	129.70	125	12	5.62E-03	****	2.84E+00	T
0	105.79	6	38	0.94	211.87	206	10	1.57E-03	****	6.09E+00	T
0	238.89	7	23	1.68	477.80	473	9	1.99E-03	****	4.55E+00	T
0	268.17	35	21	4.88	536.31	529	14	9.46E-03	66.6	4.19E+00	T
0	341.18	14	14	2.95	682.21	673	12	3.81E-03	****	3.50E+00	T
0	538.89	11	2	1.15	1077.34	1073	9	2.96E-03	79.8	2.44E+00	
0	546.30	7	4	0.97	1092.14	1086	8	2.08E-03	****	2.41E+00	T
0	551.34	6	5	0.59	1102.23	1097	7	1.62E-03	****	2.39E+00	T
0	1039.66	7	1	1.24	2078.42	2075	8	2.08E-03	96.1	1.33E+00	T

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 08:21:00.52

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1206172840.CNF;1		
Acquisition date	: 12-AUG-2025 07:20:16	Sensitivity	: 3.000
Detector ID	: GAM06	Energy tolerance	: 1.500
Elapsed live time	: 0 01:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 01:00:00.35	Half life ratio	: *****
Sample date	: 23-JUL-2025 00:00:00	Nuclide Library	: SOLID
Sample ID	: G1206172840	Analyst initials	: RXF2
Batch Number	: 2831784	Sample Quantity	: 1.1557E+02 GRAM
Wet wt corr	: 1.00000	Wet Weight	: 0.00000
		Dry Weight	: 0.00000

CALIBRATION INFORMATION

Eff. Cal. date	: 23-SEP-2024 11:03:33	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM06_CAN.CNF;23		

Combined Critical Level Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)
CE-141	3.170E-02
U-235	1.139E-01
CF-249	2.449E-02

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	2.125E-01	NOT IDENT.
NA-22	2.315E-02	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF
AL-26	0.000E+00	NOT IDENT.
K-40	2.889E-01	NOT IDENT.
SC-46	2.331E-02	NOT IDENT.
V-48	5.373E-02	NOT IDENT.
CR-51	2.075E-01	NOT IDENT.
MN-52	1.887E-01	NOT IDENT.
MN-54	1.744E-02	NOT IDENT.
CO-56	2.620E-02	NOT IDENT.
MN-56	0.000E+00	SHORT HLIF
CO-57	1.419E-02	NOT IDENT.
CO-58	1.904E-02	NOT IDENT.
FE-59	5.251E-02	NOT IDENT.
CO-60	2.036E-02	NOT IDENT.
ZN-65	2.545E-02	NOT IDENT.
GE-68	7.524E-01	NOT IDENT.
AS-73	5.241E-01	NOT IDENT.
AS-74	6.427E-02	NOT IDENT.
SE-75	1.917E-02	NOT IDENT.
BR-77	2.959E+01	FAIL ABUN
SR-82	2.815E-01	NOT IDENT.
RB-83	4.271E-02	FAIL ABUN
RB-84	2.818E-02	NOT IDENT.
KR-85	4.918E+00	NOT IDENT.
SR-85	2.750E-02	NOT IDENT.
RB-86	5.796E-01	NOT IDENT.

Y-88	2.869E-02	NOT IDENT.
Y-91	6.959E+00	NOT IDENT.
NB-94	2.355E-02	NOT IDENT.
NB-95	2.212E-02	NOT IDENT.
NB-95M	6.574E-02	NOT IDENT.
ZR-95	4.776E-02	NOT IDENT.
NB-97	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	SHORT HLIF
MO-99	2.100E+01	NOT IDENT.
TC-99M	0.000E+00	SHORT HLIF
RH-101	1.534E-02	NOT IDENT.
RH-102	2.881E-02	NOT IDENT.
RU-103	3.076E-02	NOT IDENT.
RH-106	1.866E-01	NOT IDENT.
RU-106	1.866E-01	NOT IDENT.
AG-108M	1.641E-02	NOT IDENT.
CD-109	3.531E-01	NOT IDENT.
AG-110	4.187E-01	NOT IDENT.
AG-110M	3.168E-02	NOT IDENT.
SN-113	2.388E-02	NOT IDENT.
CD-115	3.525E+01	NOT IDENT.
SN-117M	3.810E-02	NOT IDENT.
SB-122	3.142E+00	NOT IDENT.
TE-123M	1.530E-02	NOT IDENT.
SB-124	7.541E-02	NOT IDENT.
SB-125	6.281E-02	NOT IDENT.
TE-125M	2.837E+00	NOT IDENT.
I-126	1.612E-01	FAIL ABUN
SB-126	1.498E-01	NOT IDENT.
SN-126	3.651E-02	FAIL ABUN
SB-127	1.380E+00	NOT IDENT.
I-131	1.149E-01	NOT IDENT.
I-132	0.000E+00	SHORT HLIF
TE-132	1.312E+00	NOT IDENT.
BA-133	1.822E-02	NOT IDENT.
I-133	0.000E+00	SHORT HLIF
CS-134	1.898E-02	NOT IDENT.
I-135	0.000E+00	SHORT HLIF
CS-136	1.023E-01	FAIL ABUN
BA-137M	1.535E-02	NOT IDENT.
CS-137	1.622E-02	NOT IDENT.
LA-138	3.281E-02	NOT IDENT.
CE-139	1.706E-02	NOT IDENT.
BA-140	1.877E-01	NOT IDENT.
LA-140	8.705E-02	NOT IDENT.
CE-143	0.000E+00	SHORT HLIF
CE-144	7.945E-02	NOT IDENT.
PM-144	2.133E-02	NOT IDENT.
PR-144	1.586E+00	NOT IDENT.
PM-146	2.379E-02	NOT IDENT.
ND-147	4.584E-01	NOT IDENT.
PM-147	3.522E+02	NOT IDENT.
PM-149	3.080E+02	NOT IDENT.
EU-150	1.248E-02	NOT IDENT.
EU-152	5.138E-02	NOT IDENT.
GD-153	3.695E-02	NOT IDENT.
EU-154	6.775E-02	NOT IDENT.
EU-155	5.504E-02	FAIL ABUN
TB-160	5.856E-02	NOT IDENT.
HO-166M	3.679E-02	FAIL ABUN
TM-171	1.146E+01	NOT IDENT.
HF-172	1.045E-01	NOT IDENT.
LU-172	1.933E-02	NOT IDENT.
LU-176	8.384E-03	NOT IDENT.
HF-181	1.711E-02	NOT IDENT.
TA-182	1.303E-01	NOT IDENT.
RE-183	9.372E-02	NOT IDENT.
RE-184	5.671E-02	NOT IDENT.
W-188	4.608E+00	FAIL ABUN
IR-192	2.029E-02	NOT IDENT.
HG-203	1.986E-02	NOT IDENT.
TL-204	2.148E+00	NOT IDENT.
BI-207	2.205E-02	NOT IDENT.
TL-208	2.113E-02	NOT IDENT.
BI-210	2.563E+00	NOT IDENT.
PB-210	2.563E+00	NOT IDENT.
BI-211	1.186E-01	NOT IDENT.
PB-211	4.205E-01	NOT IDENT.

BI-212	3.471E-01	NOT IDENT.
PB-212	4.055E-02	FAIL ABUN
BI-213	5.355E-02	NOT IDENT.
BI-214	5.780E-02	NOT IDENT.
PB-214	4.457E-02	NOT IDENT.
RN-219	1.942E-01	NOT IDENT.
RN-222	4.457E-02	NOT IDENT.
RA-223	3.465E-01	FAIL ABUN
RA-224	3.136E-01	NOT IDENT.
AC-225	4.161E-01	NOT IDENT.
RA-226	4.457E-02	NOT IDENT.
AC-227	1.236E-01	NOT IDENT.
TH-227	1.236E-01	NOT IDENT.
AC-228	1.003E-01	NOT IDENT.
RA-228	1.003E-01	NOT IDENT.
TH-228	4.055E-02	FAIL ABUN
TH-229	2.639E-01	NOT IDENT.
TH-230	4.457E-02	NOT IDENT.
PA-231	3.165E-01	NOT IDENT.
TH-231	3.465E-01	FAIL ABUN
TH-232	1.003E-01	NOT IDENT.
PA-233	3.723E-02	FAIL ABUN
PA-234	2.377E-01	FAIL ABUN
PA-234M	8.596E-01	FAIL ABUN
TH-234	8.596E-01	FAIL ABUN
U-234	4.457E-02	NOT IDENT.
NP-237	3.723E-02	FAIL ABUN
NP-238	7.718E+01	NOT IDENT.
U-238	8.596E-01	FAIL ABUN
NP-239	1.111E-01	FAIL ABUN
PU-239	1.635E+02	NOT IDENT.
AM-241	8.074E-02	NOT IDENT.
AM-243	2.527E-02	FAIL ABUN
CM-243	4.384E-02	NOT IDENT.
BK-247	4.146E-02	FAIL ABUN
CM-247	1.739E-02	NOT IDENT.
CF-251	6.586E-02	NOT IDENT.
ANH-511	4.558E-02	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 08:21:04.51

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1206172840.CNF;1  *
* Acquisition date : 12-AUG-2025 07:20:16 Sensitivity     : 3.000       *
* Detector ID      : GAM06                Energy tolerance: 1.500       *
* Elapsed live time:    0 01:00:00.00     Abundance limit : 75.000      *
* Elapsed real time:    0 01:00:00.35     Half life ratio : *****       *
* Sample date      : 23-JUL-2025 00:00:00 Nuclide Library : SOLID       *
* Sample ID        : G1206172840          Analyst initials: RXF2        *
* Batch Number     : 2831784              Sample Quantity : 1.1557E+02 GRAM  *
*                                         Quantity Err(%) : 1.7306E-03 %     *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000       *
*                                         Dry Weight      :    0.00000       *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 23-SEP-2024 11:03:33 Eff. Geometry   : CAN         *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM06_CAN.CNF;23        *
*************************************************************************
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Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Act Error (1.96-sigma)	TPU (1.96-sigma)
CE-141	3.089E-02	5.401E-02	5.401E-02
U-235	1.081E-01	1.488E-01	1.488E-01
CF-249	4.409E-02	3.487E-02	3.487E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	9.042E-02	2.302E-01	2.337E-01	NOT IDENT.
NA-22	9.970E-03	2.344E-02	2.387E-02	NOT IDENT.
NA-24	6.808E+07	1.949E+08	1.973E+08	SHORT HLIF
AL-26	-2.296E-02	2.604E-02	2.802E-02	NOT IDENT.
K-40	-1.630E-01	3.478E-01	3.555E-01	NOT IDENT.
SC-46	-1.762E-02	3.278E-02	3.373E-02	NOT IDENT.
V-48	3.427E-03	6.267E-02	6.269E-02	NOT IDENT.
CR-51	-1.042E-01	2.584E-01	2.626E-01	NOT IDENT.
MN-52	-2.547E-01	3.228E-01	3.427E-01	NOT IDENT.
MN-54	-1.806E-03	2.101E-02	2.103E-02	NOT IDENT.
CO-56	-9.623E-03	3.325E-02	3.354E-02	NOT IDENT.
MN-56	-1.000E+41	3.455E+41	0.000E+00	SHORT HLIF
CO-57	8.994E-03	1.515E-02	1.569E-02	NOT IDENT.
CO-58	-1.614E-02	2.761E-02	2.856E-02	NOT IDENT.
FE-59	1.958E-03	6.234E-02	6.235E-02	NOT IDENT.
CO-60	-1.396E-03	2.573E-02	2.574E-02	NOT IDENT.
ZN-65	-2.313E-02	4.419E-02	4.540E-02	NOT IDENT.
GE-68	-4.437E-02	9.182E-01	9.184E-01	NOT IDENT.
AS-73	-3.724E-01	6.227E-01	6.449E-01	NOT IDENT.
AS-74	-1.370E-02	8.185E-02	8.208E-02	NOT IDENT.
SE-75	-3.579E-02	3.680E-02	4.018E-02	NOT IDENT.
BR-77	1.700E+01	4.669E+01	4.731E+01	FAIL ABUN
SR-82	2.645E-01	2.609E-01	2.869E-01	NOT IDENT.
RB-83	6.779E-03	4.924E-02	4.934E-02	FAIL ABUN
RB-84	-2.822E-02	4.538E-02	4.712E-02	NOT IDENT.
KR-85	-1.712E+01	8.776E+00	1.169E+01	NOT IDENT.
SR-85	-9.592E-02	4.911E-02	6.544E-02	NOT IDENT.

RB-86	2.436E-01	6.036E-01	6.135E-01	NOT IDENT.
Y-88	-2.339E-04	3.462E-02	3.462E-02	NOT IDENT.
Y-91	3.263E+00	5.881E+00	6.063E+00	NOT IDENT.
NB-94	1.455E-02	2.504E-02	2.589E-02	NOT IDENT.
NB-95	-4.724E-03	2.702E-02	2.711E-02	NOT IDENT.
NB-95M	6.385E-02	7.077E-02	7.640E-02	NOT IDENT.
ZR-95	3.603E-02	4.518E-02	4.801E-02	NOT IDENT.
NB-97	1.000E+41	2.541E+41	0.000E+00	SHORT HLIF
ZR-97	-5.777E+08	3.307E+08	4.209E+08	SHORT HLIF
MO-99	-9.562E+00	2.734E+01	2.768E+01	NOT IDENT.
TC-99M	2.928E+22	3.683E+22	0.000E+00	SHORT HLIF
RH-101	-1.020E-02	1.963E-02	2.016E-02	NOT IDENT.
RH-102	-3.165E-03	3.619E-02	3.622E-02	NOT IDENT.
RU-103	3.189E-02	2.926E-02	3.261E-02	NOT IDENT.
RH-106	6.225E-02	2.082E-01	2.100E-01	NOT IDENT.
RU-106	6.225E-02	2.082E-01	2.100E-01	NOT IDENT.
AG-108M	2.915E-03	1.856E-02	1.861E-02	NOT IDENT.
CD-109	-1.586E-01	4.244E-01	4.304E-01	NOT IDENT.
AG-110	9.799E-03	5.098E-01	5.098E-01	NOT IDENT.
AG-110M	1.311E-02	3.311E-02	3.364E-02	NOT IDENT.
SN-113	-6.762E-03	3.303E-02	3.317E-02	NOT IDENT.
CD-115	9.203E+00	3.982E+01	4.003E+01	NOT IDENT.
SN-117M	5.902E-03	4.432E-02	4.440E-02	NOT IDENT.
SB-122	-4.127E+00	5.128E+00	5.455E+00	NOT IDENT.
TE-123M	-5.333E-03	1.906E-02	1.921E-02	NOT IDENT.
SB-124	1.633E-02	8.296E-02	8.328E-02	NOT IDENT.
SB-125	2.215E-02	6.935E-02	7.007E-02	NOT IDENT.
TE-125M	-6.730E+00	5.410E+00	6.202E+00	NOT IDENT.
I-126	-9.921E-02	2.275E-01	2.318E-01	FAIL ABUN
SB-126	1.354E-01	1.445E-01	1.568E-01	NOT IDENT.
SN-126	1.947E-02	3.871E-02	3.969E-02	FAIL ABUN
SB-127	-1.788E+00	2.382E+00	2.515E+00	NOT IDENT.
I-131	3.261E-02	1.267E-01	1.276E-01	NOT IDENT.
I-132	-1.000E+41	1.656E+41	0.000E+00	SHORT HLIF
TE-132	-2.673E-02	1.616E+00	1.616E+00	NOT IDENT.
BA-133	-2.025E-02	2.579E-02	2.735E-02	NOT IDENT.
I-133	-2.032E+05	2.705E+05	2.856E+05	SHORT HLIF
CS-134	-9.897E-03	2.537E-02	2.576E-02	NOT IDENT.
I-135	-5.373E+20	1.979E+21	0.000E+00	SHORT HLIF
CS-136	3.505E-02	1.120E-01	1.131E-01	FAIL ABUN
BA-137M	-2.002E-02	2.582E-02	2.735E-02	NOT IDENT.
CS-137	-2.115E-02	2.727E-02	2.889E-02	NOT IDENT.
LA-138	-2.950E-03	3.606E-02	3.608E-02	NOT IDENT.
CE-139	5.253E-03	1.925E-02	1.939E-02	NOT IDENT.
BA-140	-1.266E-02	2.573E-01	2.573E-01	NOT IDENT.
LA-140	-6.565E-02	1.268E-01	1.302E-01	NOT IDENT.
CE-143	-3.318E+02	8.456E+02	8.587E+02	SHORT HLIF
CE-144	-5.825E-02	1.046E-01	1.079E-01	NOT IDENT.
PM-144	7.810E-03	2.389E-02	2.415E-02	NOT IDENT.
PR-144	5.547E-01	1.784E+00	1.801E+00	NOT IDENT.
PM-146	2.092E-04	2.802E-02	2.802E-02	NOT IDENT.
ND-147	-1.554E-01	5.893E-01	5.934E-01	NOT IDENT.
PM-147	-9.869E+01	4.264E+02	4.287E+02	NOT IDENT.
PM-149	8.917E+01	3.357E+02	3.381E+02	NOT IDENT.
EU-150	-5.641E-03	1.639E-02	1.659E-02	NOT IDENT.
EU-152	2.006E-02	5.989E-02	6.057E-02	NOT IDENT.
GD-153	1.358E-02	4.259E-02	4.303E-02	NOT IDENT.
EU-154	3.157E-02	6.791E-02	6.938E-02	NOT IDENT.
EU-155	3.053E-02	1.202E-01	1.210E-01	FAIL ABUN
TB-160	5.941E-03	6.606E-02	6.612E-02	NOT IDENT.
HO-166M	2.830E-03	4.457E-02	4.459E-02	FAIL ABUN
TM-171	7.337E+00	1.154E+01	1.200E+01	NOT IDENT.
HF-172	2.829E-02	1.178E-01	1.185E-01	NOT IDENT.
LU-172	-8.802E-03	2.881E-02	2.908E-02	NOT IDENT.
LU-176	-5.796E-03	1.126E-02	1.156E-02	NOT IDENT.
HF-181	-2.576E-02	2.897E-02	3.121E-02	NOT IDENT.
TA-182	1.320E-01	1.107E-01	1.256E-01	NOT IDENT.
RE-183	-8.080E-02	1.180E-01	1.235E-01	NOT IDENT.
RE-184	-2.811E-02	7.869E-02	7.970E-02	NOT IDENT.
W-188	1.651E+00	4.961E+00	5.016E+00	FAIL ABUN
IR-192	-9.343E-03	2.486E-02	2.521E-02	NOT IDENT.
HG-203	-8.936E-03	2.409E-02	2.443E-02	NOT IDENT.
TL-204	4.094E-01	2.342E+00	2.349E+00	NOT IDENT.
BI-207	-2.415E-04	2.653E-02	2.653E-02	NOT IDENT.
TL-208	-1.395E-02	2.598E-02	2.673E-02	NOT IDENT.
BI-210	-2.882E-01	3.047E+00	3.049E+00	NOT IDENT.
PB-210	-2.882E-01	3.047E+00	3.049E+00	NOT IDENT.
BI-211	-3.830E-02	1.467E-01	1.477E-01	NOT IDENT.

PB-211	8.897E-03	4.994E-01	4.994E-01	NOT IDENT.
BI-212	2.873E-01	3.316E-01	3.560E-01	NOT IDENT.
PB-212	2.399E-02	6.436E-02	6.526E-02	FAIL ABUN
BI-213	-2.581E-02	6.943E-02	7.040E-02	NOT IDENT.
BI-214	1.165E-02	6.338E-02	6.360E-02	NOT IDENT.
PB-214	1.458E-02	4.983E-02	5.026E-02	NOT IDENT.
RN-219	-1.190E-01	2.558E-01	2.614E-01	NOT IDENT.
RN-222	1.458E-02	4.983E-02	5.026E-02	NOT IDENT.
RA-223	-6.883E-02	4.094E-01	4.106E-01	FAIL ABUN
RA-224	-5.929E-02	4.357E-01	4.366E-01	NOT IDENT.
AC-225	-2.545E-01	5.608E-01	5.724E-01	NOT IDENT.
RA-226	1.458E-02	4.983E-02	5.026E-02	NOT IDENT.
AC-227	3.798E-02	1.440E-01	1.451E-01	NOT IDENT.
TH-227	3.798E-02	1.440E-01	1.451E-01	NOT IDENT.
AC-228	-2.446E-02	1.265E-01	1.270E-01	NOT IDENT.
RA-228	-2.446E-02	1.265E-01	1.270E-01	NOT IDENT.
TH-228	2.399E-02	6.436E-02	6.526E-02	FAIL ABUN
TH-229	9.474E-02	3.006E-01	3.036E-01	NOT IDENT.
TH-230	1.458E-02	4.982E-02	5.026E-02	NOT IDENT.
PA-231	2.168E-01	3.303E-01	3.445E-01	NOT IDENT.
TH-231	-6.883E-02	4.094E-01	4.106E-01	FAIL ABUN
TH-232	-2.446E-02	1.265E-01	1.270E-01	NOT IDENT.
PA-233	-7.444E-03	4.376E-02	4.389E-02	FAIL ABUN
PA-234	2.741E-02	2.760E-01	2.763E-01	FAIL ABUN
PA-234M	1.351E+00	1.725E+00	1.830E+00	FAIL ABUN
TH-234	1.351E+00	1.725E+00	1.830E+00	FAIL ABUN
U-234	1.458E-02	4.982E-02	5.026E-02	NOT IDENT.
NP-237	-7.444E-03	4.376E-02	4.389E-02	FAIL ABUN
NP-238	7.725E+00	8.938E+01	8.945E+01	NOT IDENT.
U-238	1.351E+00	1.725E+00	1.830E+00	FAIL ABUN
NP-239	-1.261E-02	1.312E-01	1.313E-01	FAIL ABUN
PU-239	-6.138E+01	2.012E+02	2.031E+02	NOT IDENT.
AM-241	2.923E-02	8.501E-02	8.602E-02	NOT IDENT.
AM-243	2.435E-03	2.807E-02	2.809E-02	FAIL ABUN
CM-243	7.332E-04	5.416E-02	5.416E-02	NOT IDENT.
BK-247	-4.162E-02	6.781E-02	7.035E-02	FAIL ABUN
CM-247	-1.187E-02	2.331E-02	2.391E-02	NOT IDENT.
CF-251	-5.817E-03	8.010E-02	8.014E-02	NOT IDENT.
ANH-511	-4.742E-02	4.534E-02	5.012E-02	NOT IDENT.

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

GAMMA SPECTROSCOPY BACKGROUND REPORT

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
43.53	13.8983	85.43	22.5157	133.02	17.2026
45.60	14.0338	86.55	18.0713	133.52	17.2205
46.54	18.7925	86.79	18.0836	136.00	13.2361
49.72	15.0890	86.94	18.0916	136.47	10.1913
51.35	15.9946	87.09	13.5745	140.51	11.3021
51.87	10.4193	87.57	15.4057	143.76	13.7878
52.39	10.4420	88.03	23.5927	144.24	10.3506
52.97	12.8828	88.34	25.4299	145.44	15.2165
53.44	14.5213	88.47	25.4393	152.43	13.6683
54.07	16.1765	89.96	20.6807	153.25	12.6361
57.36	0.0000	90.64	23.1576	154.21	13.7135
57.53	12.3013	91.11	17.3910	156.02	17.9932
57.98	17.2519	92.59	17.4623	158.56	18.0768
59.27	11.5586	93.35	17.4987	159.00	22.3481
59.32	11.5608	94.56	17.5562	162.33	13.9174
59.54	12.3969	94.65	17.5606	162.66	19.2816
60.96	12.1866	94.67	17.5614	163.33	18.2321
61.17	12.1962	94.87	17.5710	165.86	11.8500
62.93	15.9027	97.43	11.1736	176.31	18.6436
63.29	15.9237	98.43	9.3359	176.60	18.6524
63.58	15.9405	98.44	9.3361	177.52	17.5823
64.28	15.9809	99.53	16.8529	181.07	8.8427
66.73	16.1205	100.11	17.8160	181.52	5.8994
67.24	14.7328	102.03	7.5386	184.41	13.3359
67.68	14.7553	103.18	12.6010	185.72	13.3640
67.75	15.8941	103.37	12.6071	193.51	12.4015
68.89	21.6556	105.31	11.4018	197.03	21.5371
69.67	18.2850	106.12	11.4247	198.01	18.1636
70.82	13.7668	106.47	11.4346	201.83	16.7462
70.83	13.7675	109.28	19.1891	203.43	16.7862
72.81	19.0550	111.00	11.5613	205.31	20.6587
72.87	19.0588	111.76	17.3734	210.85	16.1986
74.66	19.1701	114.06	15.5271	215.65	16.3103
74.82	17.4364	116.30	21.4614	218.12	18.7056
74.97	16.5727	116.74	13.6710	222.11	21.1613
77.11	17.5641	119.76	23.5981	227.09	16.5718
78.74	21.1846	121.12	22.6840	227.38	16.5784
79.69	18.5910	121.22	18.7431	228.16	18.9668
80.03	16.8377	121.78	14.8158	228.18	18.9673
80.12	16.8426	122.06	14.8250	235.69	6.3863
80.19	16.8462	122.92	18.8142	235.96	9.5829
80.57	14.2028	123.07	18.8204	238.63	13.2228
81.00	9.7772	123.68	26.7808	238.98	13.2288
81.07	9.7793	125.81	18.9338	240.99	16.0771
81.75	15.1445	127.23	23.9897	242.00	14.4882
82.47	24.1054	127.91	21.0219	244.70	18.1734
83.79	13.4445	129.30	21.0843	252.40	11.0108
84.00	8.9686	131.20	14.1130	252.80	15.9124

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
254.15	0.0000	351.93	8.1779	569.50	6.4438
256.23	8.6048	355.39	0.0000	569.70	6.4446
260.90	21.0171	356.01	12.7704	583.19	6.4993
264.66	19.8711	364.49	10.1134	584.27	3.2518
264.80	19.8745	366.42	8.2894	595.83	7.6414
265.00	19.8794	372.51	9.2617	600.60	6.5688
269.46	8.7436	375.05	6.4981	602.52	0.0000
270.03	9.9993	377.52	6.5125	604.72	12.0729
271.23	16.2722	383.85	13.0985	607.14	9.8921
273.65	17.0714	388.16	11.2700	609.32	6.6033
276.40	14.2718	388.63	7.5164	610.33	7.7084
277.37	15.1285	391.69	9.8916	614.28	6.6228
277.60	18.4954	400.66	11.3923	618.01	5.5312
278.00	18.5039	401.81	10.4533	620.36	4.4310
279.20	13.4759	402.40	10.4584	621.93	4.4351
279.54	15.1663	404.85	8.5746	630.19	0.0000
279.70	15.1692	410.95	6.7033	631.29	5.5741
280.46	12.6520	413.71	9.5984	633.25	8.9287
283.69	16.9316	414.70	14.4092	634.78	8.9365
284.31	16.0962	423.72	8.7098	635.95	6.7070
285.41	14.4198	427.09	11.6448	636.99	3.3555
285.90	15.2765	427.87	9.7101	657.50	5.6578
287.50	20.4053	433.94	6.8302	657.76	3.3951
290.67	11.9455	439.40	9.7998	657.90	0.0000
293.27	0.0000	440.45	9.8079	661.66	9.0732
295.22	9.4330	453.88	7.9285	664.57	0.0000
295.96	12.0156	463.37	7.9860	666.33	9.0970
298.58	11.1893	468.07	7.0124	666.50	10.2349
299.98	13.7923	473.00	6.0327	667.71	0.0000
300.09	17.2424	475.06	11.0770	677.62	10.2975
300.13	17.2432	476.78	14.1156	685.70	8.0442
301.36	11.2229	477.60	6.0532	692.65	9.2275
302.85	17.2941	482.18	9.1104	695.00	8.0844
304.50	8.6623	487.02	10.1583	696.49	4.6232
304.85	9.5321	492.35	7.1380	696.51	4.6234
306.78	6.9468	497.08	3.0695	697.00	8.0929
308.46	8.6989	505.52	7.2049	697.30	8.0943
311.90	13.9691	507.63	0.0000	697.49	10.4077
316.51	14.9137	511.00	9.2989	702.65	4.6383
319.41	11.4387	514.00	41.4144	706.68	3.4862
320.08	12.3272	514.00	41.4144	711.68	5.8254
321.04	11.4580	520.40	6.2395	720.70	3.5116
323.87	12.3750	520.69	5.2006	721.93	0.0000
325.23	9.7367	522.65	0.0000	722.78	13.1827
328.76	7.9948	527.90	6.2712	722.91	14.0625
333.37	8.0317	528.26	4.1818	723.31	14.0654
333.97	10.7153	529.59	10.4639	724.19	11.4333
334.37	9.3798	529.87	0.0000	727.33	2.6427
338.28	5.3805	531.02	9.4266	733.00	3.5338
338.32	5.3807	537.26	6.3108	735.93	6.1934
340.48	5.3921	546.56	0.0000	737.46	5.3126
340.55	5.3925	552.55	7.9678	739.50	5.3181
344.28	6.7651	563.25	8.5579	744.23	7.1077
345.93	9.9381	564.24	9.6335	747.24	7.1184
351.06	12.7106	569.33	8.5908	748.06	2.6705

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
752.31	1.7841	966.17	5.8850	1460.82	1.8468
753.82	4.4637	968.97	4.9097	1489.16	0.9306
756.73	1.7880	983.53	3.9504	1505.03	1.8690
756.80	1.7881	984.45	4.9397	1584.12	2.8623
763.94	3.5887	996.26	7.9402	1596.21	5.7422
765.81	5.3881	1002.74	4.9750	1620.50	4.8147
766.84	5.3908	1004.73	3.9830	1621.92	2.8898
772.60	0.0000	1021.30	0.0000	1678.03	0.0000
776.52	1.8054	1025.87	1.0038	1690.97	1.9595
777.92	3.6132	1028.54	5.0241	1750.46	0.0000
778.90	5.4223	1037.84	1.6134	1764.49	1.9938
783.70	0.9058	1038.76	0.0000	1770.23	0.9982
788.74	3.6320	1046.59	4.0466	1771.35	1.9971
792.07	3.6377	1048.07	4.0488	1791.20	0.0000
795.86	5.4664	1049.04	4.0503	1808.65	3.0212
801.95	7.3096	1050.41	4.0522	1810.72	0.0000
810.06	3.6686	1063.66	2.0360	1836.06	2.0267
810.29	5.5036	1077.00	2.0459		
810.45	5.5040	1077.34	4.0923		
810.76	6.4221	1085.87	3.0787		
815.77	6.4371	1093.63	2.0582		
818.51	3.6830	1099.45	3.0938		
832.01	5.5587	1112.07	3.1075		
834.85	3.7106	1112.84	2.0723		
836.80	0.0000	1115.54	3.1113		
846.75	0.0000	1120.29	3.1165		
846.77	7.4612	1120.55	3.1168		
856.80	4.6841	1121.30	3.1176		
860.56	3.7535	1129.67	3.1267		
871.09	3.7709	1131.51	0.0000		
873.19	3.7744	1147.95	0.0000		
875.33	0.0000	1173.23	2.1156		
879.38	1.8923	1177.95	2.1190		
880.51	4.7330	1189.05	5.3171		
881.60	4.7353	1204.77	0.0000		
883.24	3.7909	1221.41	0.0000		
884.68	2.8449	1231.02	4.3123		
889.28	7.6013	1235.36	4.3184		
894.76	6.6667	1238.28	3.2417		
898.04	1.9075	1260.41	0.0000		
900.72	2.8645	1271.87	4.3684		
903.28	3.8234	1274.44	1.0930		
911.20	5.7543	1274.54	1.0930		
912.08	6.7159	1291.59	3.2964		
923.98	2.8925	1298.22	0.0000		
926.50	5.7911	1312.11	3.3171		
929.11	5.7973	1332.49	2.2250		
935.54	4.8439	1362.66	0.0000		
937.49	0.9695	1365.19	4.4932		
944.13	6.8052	1368.63	0.0000		
946.00	6.8105	1384.29	0.9037		
949.00	7.7927	1408.01	0.0000		
954.55	0.0000	1434.09	2.7497		
962.31	2.9380	1435.80	0.9170		
964.08	1.9600	1457.56	0.0000		

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 12:40:59.32

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*********************************************************************************
*                              GEL Laboratories LLC                             *
*                                2040 Savage Road                               *
*                              Charleston, SC 29407                             *
*********************************************************************************
Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1206172841.CNF;2
Background file  : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM32.CNF;703
                                        Background date  : 10-AUG-2025 10:29:39
Sample date      : 10-JUL-2025 08:00:00 Acquisition date : 12-AUG-2025 09:46:07
Sample ID        : G1206172841          Sample quantity  : 1.15570E+02 G
Detector name    : GAM32                Detector geometry: CAN
Elapsed live time: 0 01:00:00.00        Elapsed real time: 0 01:00:00.70  0.0%
Energy tolerance : 1.50000 keV          Analyst Initials : RXF2
Abundance limit  : 75.00000             Sensitivity      : 3.00000
Batch ID         : 2831784              Detector SN#     :
Matrix Spike ID  :                      LCS ID           :
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BACKGROUND CORRECTED SAMPLE PEAK REPORT

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	2	74.68*	148	122	1.11	150.29	144	17	4.12E-02	15.1	1.32E+00
2	2	76.92	182	108	1.11	154.76	144	17	5.06E-02	12.9	
3	0	86.95	65	129	0.83	174.83	172	6	1.82E-02	30.1	
4	5	89.54	44	82	1.41	179.99	178	12	1.22E-02	32.4	1.01E+00
5	5	92.68*	59	132	1.15	186.29	178	12	1.63E-02	37.1	
6	0	185.97*	111	118	1.45	372.81	369	12	3.07E-02	22.0	
7	0	208.79	33	121	0.66	418.45	417	9	9.21E-03	62.7	
8	2	238.47*	434	68	1.06	477.79	473	16	1.20E-01	5.7	2.03E+00
9	2	241.31	120	86	1.39	483.48	473	16	3.34E-02	18.2	
10	0	270.34	35	52	2.28	541.52	538	9	9.69E-03	40.9	
11	0	277.74	26	46	1.05	556.31	554	6	7.17E-03	46.1	
12	0	295.05	202	84	1.04	590.92	585	12	5.60E-02	11.5	
13	0	299.96	32	61	1.67	600.75	596	9	8.90E-03	47.3	
14	0	338.03*	97	88	1.37	676.88	670	15	2.68E-02	23.7	
15	0	351.91*	340	75	1.20	704.64	698	14	9.44E-02	7.8	
16	0	367.77	17	42	2.35	736.34	729	10	4.66E-03	78.0	
17	0	409.71	14	48	1.07	820.21	816	9	4.00E-03	91.4	
18	0	465.69	54	63	2.59	932.15	921	25	1.49E-02	42.1	
19	0	488.45	20	13	2.24	977.66	971	11	5.42E-03	43.1	
20	0	510.52*	78	28	2.58	1021.80	1014	16	2.16E-02	22.4	
21	0	583.22*	151	35	1.41	1167.18	1160	15	4.20E-02	12.1	
22	0	609.40*	199	50	1.11	1219.52	1214	13	5.52E-02	10.1	
23	0	632.26	11	9	1.29	1265.24	1260	8	3.09E-03	56.8	
24	0	635.53	6	8	1.09	1271.79	1267	6	1.77E-03	79.0	
25	0	654.74	23	25	4.50	1310.19	1302	14	6.50E-03	49.4	
26	0	709.64	10	19	1.58	1419.98	1415	9	2.90E-03	82.8	
27	0	728.48	25	33	1.93	1457.66	1448	13	7.04E-03	50.5	
28	0	760.08	10	3	0.73	1520.85	1518	6	2.65E-03	46.6	
29	3	768.15*	25	7	2.08	1536.98	1532	24	6.85E-03	32.7	1.26E+00
30	3	772.22	16	13	2.08	1545.11	1532	24	4.33E-03	56.0	
31	0	790.70	15	20	0.74	1582.09	1577	9	4.29E-03	58.1	
32	0	795.07	13	16	1.39	1590.81	1587	7	3.63E-03	57.5	
33	0	850.66	22	8	3.68	1701.97	1697	11	6.17E-03	32.7	
34	0	860.94	23	19	0.73	1722.53	1715	11	6.26E-03	43.2	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
35	0	911.44	96	29	1.41	1823.54	1817	15	2.67E-02	16.0	
36	0	923.96	13	2	2.55	1848.56	1843	11	3.49E-03	37.8	
37	0	934.62	14	16	0.91	1869.89	1865	10	4.00E-03	57.1	
38	3	964.49	24	10	2.23	1929.61	1921	24	6.58E-03	33.8	6.49E-01
39	3	969.15	77	4	2.23	1938.94	1921	24	2.13E-02	13.8	
40	0	1120.89	45	15	1.68	2242.39	2235	12	1.24E-02	23.0	
41	0	1152.45	6	12	0.53	2305.50	2297	12	1.67E-03	122.5	
42	0	1165.42	7	10	0.97	2331.44	2324	10	2.06E-03	87.4	
43	0	1239.17*	20	17	2.08	2478.94	2473	14	5.58E-03	49.8	
44	0	1377.86	14	2	1.80	2756.31	2752	9	3.89E-03	32.8	
45	0	1460.98*	252	0	1.33	2922.55	2917	13	7.00E-02	6.4	
46	0	1508.64	15	0	3.41	3017.87	3013	10	4.17E-03	25.8	
47	0	1581.63	9	3	3.65	3163.85	3158	11	2.57E-03	47.8	
48	0	1764.83*	35	3	1.74	3530.25	3524	13	9.63E-03	20.7	
49	0	1848.41*	7	3	0.70	3697.42	3689	12	2.06E-03	62.7	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 12-AUG-2025 12:41:00

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1206172841.CNF;2		
Analyses by	: PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4,INTERF V2.4		
Sample title	: RXF2		
Sample date	: 10-JUL-2025 08:00:00	Acquisition date	: 12-AUG-2025 09:46:07
Sample ID	: G1206172841	Sample quantity	: 115.57 G
Sample type	: SOLID	Sample geometry	:
Detector name	: GAMMA32	Detector geometry	: CAN
Elapsed live time	: 0 01:00:00.00	Elapsed real time	: 0 01:00:00.70 0.0%
Energy tolerance	: 1.50 keV	Half life ratio	: 10.00
Errors propagated	: No	Systematic Error	: 0.00 %
Efficiency type	: Empirical	Efficiencies at	: Peak Energy
Abundance limit	: 75.00		

Interference Report

Interfering		Interfered	
Nuclide	Line	Nuclide	Line
TL-208	277.37	HG-203	279.20

Nuclide Type:

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/G	Decay Corr pCi/G	2-Sigma %Error	Status
K-40	1460.82	10.66*	1.133E+00	1.280E+01	1.280E+01	12.70	OK
CD-109	88.03	3.70*	4.865E+00	2.515E+00	2.644E+00	60.19	OK
SN-126	64.28	9.60	2.152E+00	----- Line Not Found		-----	Absent
	86.94	8.90	4.865E+00	1.046E+00	1.046E+00	60.19	OK
	87.57	37.00*	4.865E+00	2.515E-01	2.515E-01	60.19	OK
HG-203	70.83	3.69	3.028E+00	----- Line Not Found		-----	Absent
	72.87	6.19	3.294E+00	----- Line Not Found		-----	Absent
	279.20	81.56*	4.467E+00	1.055E-02	1.725E-02	416.55	OK
TL-208	277.37	6.60	4.472E+00	----- Line Not Found		-----	<<INT Reject
	583.19	85.00*	2.579E+00	4.403E-01	4.403E-01	24.22	OK
	860.56	12.50	1.835E+00	6.167E-01	6.167E-01	86.47	OK
BI-211	72.87	1.23	3.294E+00	----- Line Not Found		-----	Absent
	351.06	12.92*	3.778E+00	4.547E+00	4.547E+00	15.51	OK
BI-212	727.33	6.67*	2.136E+00	1.124E+00	1.124E+00	101.01	OK
	1620.50	1.47	1.053E+00	----- Line Not Found		-----	Absent
PB-212	74.82	10.28	3.525E+00	2.853E+00	2.853E+00	30.21	OK
	77.11	17.10	3.800E+00	1.951E+00	1.951E+00	25.74	OK
	238.63	43.60*	4.958E+00	1.332E+00	1.332E+00	11.47	OK
	300.09	3.30	4.233E+00	1.507E+00	1.507E+00	94.64	OK
BI-214	609.32	45.49*	2.488E+00	1.119E+00	1.119E+00	20.24	OK
	1120.29	14.92	1.430E+00	1.297E+00	1.297E+00	45.95	OK
	1764.49	15.30	1.004E+00	1.371E+00	1.372E+00	41.35	OK
PB-214	74.82	5.80	3.525E+00	5.056E+00	5.056E+00	30.21	OK
	77.11	9.70	3.800E+00	3.440E+00	3.440E+00	25.74	OK
	87.09	3.41	4.865E+00	2.729E+00	2.730E+00	60.19	OK
	242.00	7.25	4.919E+00	2.236E+00	2.236E+00	36.39	OK
	295.22	18.42	4.282E+00	1.683E+00	1.683E+00	22.99	OK
	351.93	35.60*	3.778E+00	1.650E+00	1.650E+00	15.51	OK
RN-222	74.82	5.80	3.525E+00	5.056E+00	5.056E+00	30.21	OK
	77.11	9.70	3.800E+00	3.440E+00	3.440E+00	25.74	OK
	87.09	3.41	4.865E+00	2.729E+00	2.730E+00	60.19	OK
	242.00	7.25	4.919E+00	2.236E+00	2.236E+00	36.39	OK
	295.22	18.42	4.282E+00	1.683E+00	1.683E+00	22.99	OK
	351.93	35.60*	3.778E+00	1.650E+00	1.650E+00	15.51	OK
RA-224	240.99	4.10*	4.919E+00	3.953E+00	3.953E+00	36.39	OK
RA-226	74.82	5.80	3.525E+00	5.056E+00	5.056E+00	30.21	OK
	77.11	9.70	3.800E+00	3.440E+00	3.440E+00	25.74	OK
	87.09	3.41	4.865E+00	2.729E+00	2.730E+00	60.19	OK
	242.00	7.25	4.919E+00	2.236E+00	2.236E+00	36.39	OK
	295.22	18.42	4.282E+00	1.683E+00	1.683E+00	22.99	OK
	351.93	35.60*	3.778E+00	1.650E+00	1.650E+00	15.51	OK
AC-228	338.32	11.27	3.888E+00	1.443E+00	1.443E+00	47.31	OK
	911.20	25.80*	1.740E+00	1.342E+00	1.342E+00	32.03	OK
	968.97	15.80	1.642E+00	1.844E+00	1.844E+00	27.65	OK
RA-228	338.32	11.27	3.888E+00	1.443E+00	1.443E+00	47.31	OK
	911.20	25.80*	1.740E+00	1.342E+00	1.342E+00	32.03	OK
	968.97	15.80	1.642E+00	1.844E+00	1.844E+00	27.65	OK
TH-228	74.82	10.28	3.525E+00	2.853E+00	2.853E+00	30.21	OK
	77.11	17.10	3.800E+00	1.951E+00	1.951E+00	25.74	OK

Nuclide Type:

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/G	Decay Corr pCi/G	2-Sigma %Error	Status
	238.63	43.60*	4.958E+00	1.332E+00	1.332E+00	11.47	OK
	300.09	3.30	4.233E+00	1.507E+00	1.507E+00	94.64	OK
TH-230	74.82	5.80	3.525E+00	5.056E+00	5.056E+00	30.21	OK
	77.11	9.70	3.800E+00	3.440E+00	3.440E+00	25.74	OK
	87.09	3.41	4.865E+00	2.729E+00	2.729E+00	60.19	OK
	242.00	7.25	4.919E+00	2.236E+00	2.236E+00	36.39	OK
	295.22	18.42	4.282E+00	1.683E+00	1.683E+00	22.99	OK
	351.93	35.60*	3.778E+00	1.650E+00	1.650E+00	15.51	OK
PA-231	283.69	1.70	4.402E+00	----- Line Not Found		-----	Absent
	301.36	5.35*	4.233E+00	9.298E-01	9.298E-01	94.64	OK
TH-232	338.32	11.27	3.888E+00	1.443E+00	1.443E+00	47.31	OK
	911.20	25.80*	1.740E+00	1.342E+00	1.342E+00	32.03	OK
	968.97	15.80	1.642E+00	1.844E+00	1.844E+00	27.65	OK
U-234	74.82	5.80	3.525E+00	5.056E+00	5.056E+00	30.21	OK
	77.11	9.70	3.800E+00	3.440E+00	3.440E+00	25.74	OK
	87.09	3.41	4.865E+00	2.729E+00	2.729E+00	60.19	OK
	242.00	7.25	4.919E+00	2.236E+00	2.236E+00	36.39	OK
	295.22	18.42	4.282E+00	1.683E+00	1.683E+00	22.99	OK
	351.93	35.60*	3.778E+00	1.650E+00	1.650E+00	15.51	OK
U-235	89.96	3.47	5.089E+00	1.715E+00	1.715E+00	64.72	OK
	93.35	5.60	5.334E+00	1.353E+00	1.353E+00	74.13	OK
	143.76	10.96*	6.390E+00	----- Line Not Found		-----	Absent
	163.33	5.08	6.142E+00	----- Line Not Found		-----	Absent
	185.72	57.20	5.775E+00	2.247E-01	2.247E-01	44.03	OK
	205.31	5.01	5.456E+00	----- Line Not Found		-----	Absent
AM-243	43.53	5.90	1.812E-01	----- Line Not Found		-----	Absent
	74.66	67.20*	3.525E+00	4.364E-01	4.364E-01	30.21	OK
ANH-511	511.00	100.00*	2.866E+00	1.747E-01	1.747E-01	44.89	OK

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 12:41:01.68

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1206172841.CNF;2  *
* Acquisition date : 12-AUG-2025 09:46:07 Sensitivity     : 3.000       *
* Detector ID      : GAM32                Energy tolerance: 1.500       *
* Elapsed live time:    0 01:00:00.00     Abundance limit : 75.000      *
* Elapsed real time:    0 01:00:00.70     Half life ratio : *****       *
* Sample date      : 10-JUL-2025 08:00:00 Analyst initials: RXF2        *
* Sample ID        : G1206172841          Sample Quantity : 1.1557E+02 G *
* Batch Number     : 2831784              Wet Weight      :    0.00000  *
* Wet wt corr      :    1.00000           Dry Weight      :    0.00000  *
* Nuclide Library  : SOLID.NLB;19                                       *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 24-JUL-2025 06:17:00 Eff. Geometry   : CAN         *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM32_CAN.CNF;25        *
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Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/G)	Cnt uncert (1.96-sigma)	MDA (pCi/G)
K-40	1.280E+01	1.593E+00	8.346E-01
CD-109	2.644E+00	1.559E+00	1.677E+00
SN-126	2.515E-01	1.484E-01	1.608E-01
HG-203	1.725E-02	7.044E-02	1.014E-01
TL-208	4.403E-01	1.045E-01	6.562E-02
BI-211	4.547E+00	6.910E-01	3.492E-01
BI-212	1.124E+00	1.113E+00	9.555E-01
PB-212	1.332E+00	1.497E-01	1.155E-01
BI-214	1.119E+00	2.218E-01	1.277E-01
PB-214	1.650E+00	2.508E-01	1.270E-01
RN-222	1.650E+00	2.508E-01	1.270E-01
RA-224	3.953E+00	1.410E+00	1.238E+00
RA-226	1.650E+00	2.508E-01	1.270E-01
AC-228	1.342E+00	4.214E-01	2.385E-01
RA-228	1.342E+00	4.214E-01	2.385E-01
TH-228	1.332E+00	1.497E-01	1.155E-01
TH-230	1.650E+00	2.508E-01	1.270E-01
PA-231	9.298E-01	8.624E-01	8.855E-01
TH-232	1.342E+00	4.214E-01	2.385E-01
U-234	1.650E+00	2.508E-01	1.270E-01
U-235	-2.472E-01	2.216E-01	3.624E-01
AM-243	4.364E-01	1.292E-01	1.109E-01
ANH-511	1.747E-01	7.683E-02	4.571E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/G)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/G)	
BE-7	8.721E-02	3.975E-01	7.951E-01	NOT IDENT.
NA-22	2.173E-02	4.376E-02	9.647E-02	NOT IDENT.
NA-24	0.000E+00	3.376E+14	0.000E+00	SHORT HLIF
AL-26	1.773E-02	2.813E-02	7.620E-02	NOT IDENT.
SC-46	1.632E-02	5.203E-02	1.036E-01	FAIL ABUN
V-48	-8.091E-04	1.691E-01	3.209E-01	NOT IDENT.
CR-51	-2.868E-02	6.667E-01	1.167E+00	NOT IDENT.

MN-52	-1.322E+00	2.284E+00	4.121E+00	FAIL ABUN
MN-54	2.691E-02	4.348E-02	8.933E-02	NOT IDENT.
CO-56	5.686E-03	4.719E-02	8.473E-02	FAIL ABUN
MN-56	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CO-57	3.474E-03	2.525E-02	4.740E-02	NOT IDENT.
CO-58	2.984E-02	4.648E-02	9.916E-02	NOT IDENT.
FE-59	5.655E-02	1.211E-01	2.521E-01	NOT IDENT.
CO-60	-4.917E-02	4.437E-02	6.909E-02	NOT IDENT.
ZN-65	-7.075E-02	1.163E-01	1.779E-01	NOT IDENT.
GE-68	8.874E-01	1.326E+00	2.871E+00	NOT IDENT.
AS-73	-4.609E-01	1.961E+00	3.704E+00	NOT IDENT.
AS-74	9.136E-02	1.654E-01	3.506E-01	FAIL ABUN
SE-75	-1.867E-02	5.387E-02	9.202E-02	NOT IDENT.
BR-77	0.000E+00	4.394E+03	0.000E+00	SHORT HLIF
SR-82	4.008E-01	6.809E-01	1.263E+00	NOT IDENT.
RB-83	-1.062E-02	7.651E-02	1.469E-01	NOT IDENT.
RB-84	-3.635E-02	1.099E-01	1.971E-01	NOT IDENT.
KR-85	-4.943E-01	7.474E+00	1.284E+01	NOT IDENT.
SR-85	-3.286E-03	4.783E-02	8.215E-02	NOT IDENT.
RB-86	1.113E+00	1.569E+00	3.411E+00	NOT IDENT.
Y-88	-6.531E-03	4.451E-02	9.164E-02	NOT IDENT.
Y-91	3.277E+01	2.826E+01	6.478E+01	NOT IDENT.
NB-94	1.734E-02	3.588E-02	7.273E-02	NOT IDENT.
NB-95	1.645E-02	4.559E-02	8.884E-02	NOT IDENT.
NB-95M	-2.409E-02	1.756E-01	2.821E-01	NOT IDENT.
ZR-95	6.750E-03	1.031E-01	1.785E-01	NOT IDENT.
NB-97	0.000E+00	1.245E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	7.892E+13	0.000E+00	SHORT HLIF
MO-99	0.000E+00	1.127E+03	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	1.419E+38	0.000E+00	SHORT HLIF
RH-101	-4.472E-02	3.287E-02	5.312E-02	NOT IDENT.
RH-102	5.329E-02	5.937E-02	1.087E-01	FAIL ABUN
RU-103	6.198E-03	5.312E-02	1.051E-01	FAIL ABUN
RH-106	5.493E-02	3.000E-01	6.024E-01	NOT IDENT.
RU-106	5.493E-02	3.000E-01	6.024E-01	NOT IDENT.
AG-108M	2.932E-02	3.066E-02	6.541E-02	NOT IDENT.
AG-110	-4.797E-01	9.600E-01	1.480E+00	NOT IDENT.
AG-110M	1.126E-02	5.569E-02	1.102E-01	NOT IDENT.
SN-113	-6.332E-03	5.117E-02	9.809E-02	NOT IDENT.
CD-115	0.000E+00	3.072E+03	0.000E+00	SHORT HLIF
SN-117M	1.178E-01	1.459E-01	2.817E-01	NOT IDENT.
SB-122	0.000E+00	1.972E+02	0.000E+00	SHORT HLIF
TE-123M	3.279E-02	3.393E-02	6.618E-02	NOT IDENT.
SB-124	5.820E-02	1.011E-01	2.539E-01	NOT IDENT.
SB-125	2.547E-02	8.632E-02	1.750E-01	FAIL ABUN
TE-125M	6.283E+00	1.349E+01	2.573E+01	NOT IDENT.
I-126	-4.198E-02	6.169E-01	1.166E+00	NOT IDENT.
SB-126	-3.307E-01	3.404E-01	4.888E-01	NOT IDENT.
SB-127	-3.703E+00	3.201E+01	6.093E+01	NOT IDENT.
I-131	-1.527E-01	5.816E-01	9.893E-01	FAIL ABUN
I-132	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
TE-132	0.000E+00	3.469E+01	0.000E+00	SHORT HLIF
BA-133	-6.713E-03	3.739E-02	6.531E-02	FAIL ABUN
I-133	0.000E+00	1.007E+10	0.000E+00	SHORT HLIF
CS-134	5.029E-02	5.672E-02	1.114E-01	FAIL ABUN
I-135	0.000E+00	2.837E+35	0.000E+00	SHORT HLIF
CS-136	-1.233E-01	2.701E-01	4.673E-01	NOT IDENT.
BA-137M	3.406E-03	3.707E-02	7.193E-02	NOT IDENT.
CS-137	3.598E-03	3.916E-02	7.599E-02	NOT IDENT.
LA-138	-1.432E-02	5.699E-02	1.128E-01	NOT IDENT.
CE-139	1.317E-02	3.210E-02	6.052E-02	NOT IDENT.
BA-140	2.146E-01	6.554E-01	1.341E+00	NOT IDENT.
LA-140	-2.104E-01	2.650E-01	4.369E-01	FAIL ABUN
CE-141	5.687E-02	9.946E-02	1.885E-01	NOT IDENT.
CE-143	0.000E+00	1.274E+06	0.000E+00	SHORT HLIF
CE-144	-4.777E-02	2.145E-01	3.856E-01	NOT IDENT.
PM-144	-3.130E-03	3.657E-02	6.905E-02	NOT IDENT.
PR-144	-2.365E-01	2.762E+00	5.216E+00	NOT IDENT.
PM-146	4.736E-02	4.087E-02	9.018E-02	FAIL ABUN
ND-147	-4.663E-01	1.620E+00	3.043E+00	NOT IDENT.
PM-147	-1.441E+02	7.186E+02	1.309E+03	NOT IDENT.
PM-149	0.000E+00	2.897E+04	0.000E+00	SHORT HLIF
EU-150	-3.212E-02	3.334E-02	4.630E-02	FAIL ABUN
EU-152	3.832E-02	9.191E-02	1.743E-01	FAIL ABUN
GD-153	-2.933E-02	1.017E-01	1.833E-01	NOT IDENT.
EU-154	5.804E-02	1.222E-01	2.688E-01	NOT IDENT.
EU-155	1.309E-01	1.140E-01	2.296E-01	FAIL ABUN
TB-160	6.999E-02	1.600E-01	3.316E-01	FAIL ABUN

HO-166M	-4.511E-02	6.651E-02	9.661E-02	FAIL ABUN
TM-171	1.013E+01	3.716E+01	7.313E+01	NOT IDENT.
HF-172	2.315E-01	1.909E-01	3.870E-01	NOT IDENT.
LU-172	2.261E-02	6.081E-02	1.271E-01	FAIL ABUN
LU-176	-6.678E-03	2.705E-02	4.661E-02	FAIL ABUN
HF-181	-2.272E-02	5.628E-02	9.890E-02	NOT IDENT.
TA-182	1.014E-01	2.332E-01	4.885E-01	FAIL ABUN
RE-183	3.008E-01	3.845E-01	7.823E-01	NOT IDENT.
RE-184	8.971E-02	1.750E-01	3.688E-01	FAIL ABUN
W-188	3.741E-01	9.976E+00	1.637E+01	NOT IDENT.
IR-192	-4.801E-03	4.606E-02	8.026E-02	FAIL ABUN
TL-204	6.025E+00	6.463E+00	1.229E+01	NOT IDENT.
BI-207	-9.007E-03	5.176E-02	9.574E-02	FAIL ABUN
BI-210	2.186E+00	8.986E+00	1.779E+01	NOT IDENT.
PB-210	2.186E+00	8.986E+00	1.779E+01	NOT IDENT.
PB-211	1.393E-01	7.523E-01	1.429E+00	NOT IDENT.
BI-213	1.604E-02	9.131E-02	1.843E-01	NOT IDENT.
RN-219	3.882E-02	3.906E-01	7.710E-01	FAIL ABUN
RA-223	5.394E-01	6.960E-01	1.343E+00	FAIL ABUN
AC-225	1.259E-01	2.241E+00	4.021E+00	NOT IDENT.
AC-227	3.514E-01	2.533E-01	5.216E-01	FAIL ABUN
TH-227	3.514E-01	2.533E-01	5.216E-01	FAIL ABUN
TH-229	-1.449E-01	5.711E-01	1.000E+00	FAIL ABUN
TH-231	5.394E-01	6.960E-01	1.343E+00	FAIL ABUN
PA-233	-8.237E-03	6.373E-02	1.119E-01	FAIL ABUN
PA-234	-3.479E-01	3.256E-01	4.821E-01	NOT IDENT.
PA-234M	4.828E-01	2.003E+00	3.943E+00	FAIL ABUN
TH-234	4.828E-01	2.003E+00	3.943E+00	FAIL ABUN
NP-237	-8.237E-03	6.373E-02	1.119E-01	FAIL ABUN
NP-238	0.000E+00	7.866E+03	0.000E+00	SHORT HLIF
U-238	4.828E-01	2.003E+00	3.943E+00	FAIL ABUN
NP-239	7.802E-02	3.069E-01	5.735E-01	FAIL ABUN
PU-239	2.839E+02	3.634E+02	7.047E+02	NOT IDENT.
AM-241	-4.887E-02	2.407E-01	4.530E-01	NOT IDENT.
CM-243	-9.420E-02	1.091E-01	1.881E-01	FAIL ABUN
BK-247	-4.310E-02	8.611E-02	1.444E-01	NOT IDENT.
CM-247	9.966E-03	3.555E-02	7.160E-02	FAIL ABUN
CF-249	2.666E-02	4.213E-02	8.660E-02	NOT IDENT.
CF-251	-1.210E-01	1.278E-01	2.098E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 12:41:00.14

Nuclide Line Activity Report

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/G	Decay Corr pCi/G	2-Sigma %Error
K-40	1460.82	238	10.66*	1.133E+00	1.280E+01	1.280E+01	12.70
CD-109	88.03	70	3.70*	4.865E+00	2.515E+00	2.644E+00	60.19
SN-126	64.28	------	9.60	2.152E+00	------ Line Not Found		------
	86.94	70	8.90	4.865E+00	1.046E+00	1.046E+00	60.19
	87.57	70	37.00*	4.865E+00	2.515E-01	2.515E-01	60.19
HG-203	70.83	------	3.69	3.028E+00	------ Line Not Found		------
	72.87	------	6.19	3.294E+00	------ Line Not Found		------
	279.20	26	81.56*	4.467E+00	4.673E-02	7.645E-02	92.25
TL-208	277.37	26	6.60	4.467E+00	5.774E-01	5.774E-01	92.25
	583.19	149	85.00*	2.579E+00	4.403E-01	4.403E-01	24.22
	860.56	22	12.50	1.835E+00	6.167E-01	6.167E-01	86.47
BI-211	72.87	------	1.23	3.294E+00	------ Line Not Found		------
	351.06	342	12.92*	3.778E+00	4.547E+00	4.547E+00	15.51
BI-212	727.33	25	6.67*	2.136E+00	1.124E+00	1.124E+00	101.01
	1620.50	------	1.47	1.053E+00	------ Line Not Found		------
PB-212	74.82	159	10.28	3.525E+00	2.853E+00	2.853E+00	30.21
	77.11	195	17.10	3.800E+00	1.951E+00	1.951E+00	25.74
	238.63	443	43.60*	4.958E+00	1.332E+00	1.332E+00	11.47
	300.09	32	3.30	4.233E+00	1.507E+00	1.507E+00	94.64
BI-214	609.32	195	45.49*	2.488E+00	1.119E+00	1.119E+00	20.24
	1120.29	43	14.92	1.430E+00	1.297E+00	1.297E+00	45.95
	1764.49	32	15.30	1.004E+00	1.371E+00	1.372E+00	41.35
PB-214	74.82	159	5.80	3.525E+00	5.056E+00	5.056E+00	30.21
	77.11	195	9.70	3.800E+00	3.440E+00	3.440E+00	25.74
	87.09	70	3.41	4.865E+00	2.729E+00	2.730E+00	60.19
	242.00	123	7.25	4.919E+00	2.236E+00	2.236E+00	36.39
	295.22	204	18.42	4.282E+00	1.683E+00	1.683E+00	22.99
	351.93	342	35.60*	3.778E+00	1.650E+00	1.650E+00	15.51
RN-222	74.82	159	5.80	3.525E+00	5.056E+00	5.056E+00	30.21
	77.11	195	9.70	3.800E+00	3.440E+00	3.440E+00	25.74
	87.09	70	3.41	4.865E+00	2.729E+00	2.730E+00	60.19
	242.00	123	7.25	4.919E+00	2.236E+00	2.236E+00	36.39
	295.22	204	18.42	4.282E+00	1.683E+00	1.683E+00	22.99
	351.93	342	35.60*	3.778E+00	1.650E+00	1.650E+00	15.51
RA-224	240.99	123	4.10*	4.919E+00	3.953E+00	3.953E+00	36.39
RA-226	74.82	159	5.80	3.525E+00	5.056E+00	5.056E+00	30.21
	77.11	195	9.70	3.800E+00	3.440E+00	3.440E+00	25.74
	87.09	70	3.41	4.865E+00	2.729E+00	2.730E+00	60.19
	242.00	123	7.25	4.919E+00	2.236E+00	2.236E+00	36.39
	295.22	204	18.42	4.282E+00	1.683E+00	1.683E+00	22.99
	351.93	342	35.60*	3.778E+00	1.650E+00	1.650E+00	15.51
AC-228	338.32	97	11.27	3.888E+00	1.443E+00	1.443E+00	47.31
	911.20	93	25.80*	1.740E+00	1.342E+00	1.342E+00	32.03
	968.97	74	15.80	1.642E+00	1.844E+00	1.844E+00	27.65
RA-228	338.32	97	11.27	3.888E+00	1.443E+00	1.443E+00	47.31
	911.20	93	25.80*	1.740E+00	1.342E+00	1.342E+00	32.03
	968.97	74	15.80	1.642E+00	1.844E+00	1.844E+00	27.65

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/G	Decay Corr pCi/G	2-Sigma %Error
TH-228	74.82	159	10.28	3.525E+00	2.853E+00	2.853E+00	30.21
	77.11	195	17.10	3.800E+00	1.951E+00	1.951E+00	25.74
	238.63	443	43.60*	4.958E+00	1.332E+00	1.332E+00	11.47
	300.09	32	3.30	4.233E+00	1.507E+00	1.507E+00	94.64
TH-230	74.82	159	5.80	3.525E+00	5.056E+00	5.056E+00	30.21
	77.11	195	9.70	3.800E+00	3.440E+00	3.440E+00	25.74
	87.09	70	3.41	4.865E+00	2.729E+00	2.729E+00	60.19
	242.00	123	7.25	4.919E+00	2.236E+00	2.236E+00	36.39
	295.22	204	18.42	4.282E+00	1.683E+00	1.683E+00	22.99
	351.93	342	35.60*	3.778E+00	1.650E+00	1.650E+00	15.51
PA-231	283.69	------	1.70	4.402E+00	------ Line Not Found		------
	301.36	32	5.35*	4.233E+00	9.298E-01	9.298E-01	94.64
TH-232	338.32	97	11.27	3.888E+00	1.443E+00	1.443E+00	47.31
	911.20	93	25.80*	1.740E+00	1.342E+00	1.342E+00	32.03
	968.97	74	15.80	1.642E+00	1.844E+00	1.844E+00	27.65
U-234	74.82	159	5.80	3.525E+00	5.056E+00	5.056E+00	30.21
	77.11	195	9.70	3.800E+00	3.440E+00	3.440E+00	25.74
	87.09	70	3.41	4.865E+00	2.729E+00	2.729E+00	60.19
	242.00	123	7.25	4.919E+00	2.236E+00	2.236E+00	36.39
	295.22	204	18.42	4.282E+00	1.683E+00	1.683E+00	22.99
	351.93	342	35.60*	3.778E+00	1.650E+00	1.650E+00	15.51
U-235	89.96	47	3.47	5.089E+00	1.715E+00	1.715E+00	64.72
	93.35	62	5.60	5.334E+00	1.353E+00	1.353E+00	74.13
	143.76	------	10.96*	6.390E+00	------ Line Not Found		------
	163.33	------	5.08	6.142E+00	------ Line Not Found		------
	185.72	114	57.20	5.775E+00	2.247E-01	2.247E-01	44.03
	205.31	------	5.01	5.456E+00	------ Line Not Found		------
AM-243	43.53	------	5.90	1.812E-01	------ Line Not Found		------
	74.66	159	67.20*	3.525E+00	4.364E-01	4.364E-01	30.21
ANH-511	511.00	77	100.00*	2.866E+00	1.747E-01	1.747E-01	44.89

Flag: "*" = Keyline

Sample ID : G1206172841 Acquisition date : 12-AUG-2025 09:46:07

Total number of lines in spectrum 49
Number of unidentified lines 12
Number of lines tentatively identified by NID 37 75.51%

Nuclide Type :

Nuclide	Hlife	Decay	Uncorrected pCi/G	Decay Corr pCi/G	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
K-40	1.25E+09Y	1.00	1.280E+01	1.280E+01	0.163E+01	12.70	
CD-109	461.40D	1.05	2.515E+00	2.644E+00	1.591E+00	60.19	
SN-126	2.30E+05Y	1.00	2.515E-01	2.515E-01	1.514E-01	60.19	
HG-203	46.59D	1.64	4.673E-02	7.645E-02	7.053E-02	92.25	
TL-208	1.41E+10Y	1.00	4.403E-01	4.403E-01	1.066E-01	24.22	
BI-211	7.04E+08Y	1.00	4.547E+00	4.547E+00	0.705E+00	15.51	
BI-212	1.41E+10Y	1.00	1.124E+00	1.124E+00	1.136E+00	101.01	
PB-212	1.41E+10Y	1.00	1.332E+00	1.332E+00	0.153E+00	11.47	
BI-214	1600.00Y	1.00	1.119E+00	1.119E+00	0.226E+00	20.24	
PB-214	1600.00Y	1.00	1.650E+00	1.650E+00	0.256E+00	15.51	
RN-222	1600.00Y	1.00	1.650E+00	1.650E+00	0.256E+00	15.51	
RA-224	1.41E+10Y	1.00	3.953E+00	3.953E+00	1.439E+00	36.39	
RA-226	1600.00Y	1.00	1.650E+00	1.650E+00	0.256E+00	15.51	
AC-228	1.41E+10Y	1.00	1.342E+00	1.342E+00	0.430E+00	32.03	
RA-228	1.41E+10Y	1.00	1.342E+00	1.342E+00	0.430E+00	32.03	
TH-228	1.41E+10Y	1.00	1.332E+00	1.332E+00	0.153E+00	11.47	
TH-230	7.54E+04Y	1.00	1.650E+00	1.650E+00	0.256E+00	15.51	
PA-231	7.04E+08Y	1.00	9.298E-01	9.298E-01	8.800E-01	94.64	
TH-232	1.41E+10Y	1.00	1.342E+00	1.342E+00	0.430E+00	32.03	
U-234	2.45E+05Y	1.00	1.650E+00	1.650E+00	0.256E+00	15.51	
U-235	7.04E+08Y	1.00	2.247E-01	2.247E-01	0.989E-01	44.03	K
AM-243	7370.00Y	1.00	4.364E-01	4.364E-01	1.318E-01	30.21	
ANH-511	1.00E+09Y	1.00	1.747E-01	1.747E-01	0.784E-01	44.89	
Total Activity :			4.350E+01	4.366E+01			

Grand Total Activity : 4.350E+01 4.366E+01

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

Sample ID : G1206172841 Acquisition date : 12-AUG-2025 09:46:07

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
0	208.79	34	124	0.66	418.45	417	9	9.21E-03	****	5.40E+00	
0	270.34	35	53	2.28	541.52	538	9	9.69E-03	81.8	4.55E+00	T
0	367.77	17	42	2.35	736.34	729	10	4.66E-03	****	3.66E+00	T
0	409.71	14	48	1.07	820.21	816	9	4.00E-03	****	3.38E+00	T
0	465.69	53	62	2.59	932.15	921	25	1.49E-02	84.1	3.08E+00	
0	488.45	19	13	2.24	977.66	971	11	5.42E-03	86.2	2.97E+00	T
0	632.26	11	9	1.29	1265.24	1260	8	3.09E-03	****	2.41E+00	T
0	635.53	6	7	1.09	1271.79	1267	6	1.77E-03	****	2.40E+00	T
0	654.74	23	24	4.50	1310.19	1302	14	6.50E-03	98.8	2.34E+00	
0	709.64	10	18	1.58	1419.98	1415	9	2.90E-03	****	2.19E+00	
0	760.08	9	3	0.73	1520.85	1518	6	2.65E-03	93.2	2.06E+00	
3	768.15	24	7	2.08	1536.98	1532	24	6.85E-03	65.3	2.04E+00	T
3	772.22	15	13	2.08	1545.11	1532	24	4.33E-03	****	2.03E+00	T
0	790.70	15	19	0.74	1582.09	1577	9	4.29E-03	****	1.98E+00	T
0	795.07	13	15	1.39	1590.81	1587	7	3.63E-03	****	1.97E+00	T
0	850.66	21	8	3.68	1701.97	1697	11	6.17E-03	65.3	1.86E+00	
0	923.96	12	2	2.55	1848.56	1843	11	3.49E-03	75.6	1.72E+00	T
0	934.62	14	15	0.91	1869.89	1865	10	4.00E-03	****	1.70E+00	T
3	964.49	23	10	2.23	1929.61	1921	24	6.58E-03	67.6	1.65E+00	T
0	1152.45	6	11	0.53	2305.50	2297	12	1.67E-03	****	1.39E+00	
0	1165.42	7	9	0.97	2331.44	2324	10	2.06E-03	****	1.38E+00	
0	1239.17	19	16	2.08	2478.94	2473	14	5.58E-03	99.6	1.30E+00	T
0	1377.86	13	2	1.80	2756.31	2752	9	3.89E-03	65.6	1.19E+00	
0	1508.64	14	0	3.41	3017.87	3013	10	4.17E-03	51.6	1.11E+00	
0	1581.63	9	3	3.65	3163.85	3158	11	2.57E-03	95.6	1.07E+00	
0	1848.41	7	3	0.70	3697.42	3689	12	2.06E-03	****	9.85E-01	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 12:41:11.21

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1206172841.CNF;2  *
* Acquisition date : 12-AUG-2025 09:46:07 Sensitivity     : 3.000       *
* Detector ID      : GAM32                Energy tolerance: 1.500       *
* Elapsed live time:    0 01:00:00.00     Abundance limit : 75.000      *
* Elapsed real time:    0 01:00:00.70     Half life ratio : *****       *
* Sample date      : 10-JUL-2025 08:00:00 Nuclide Library : SOLID       *
* Sample ID        : G1206172841          Analyst initials: RXF2        *
* Batch Number     : 2831784              Sample Quantity : 1.1557E+02 G*
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000  *
*                                         Dry Weight      :    0.00000  *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 24-JUL-2025 06:17:00 Eff. Geometry   : CAN         *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM32_CAN.CNF;25        *
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Combined Critical Level Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Lc (pCi/G)
K-40	3.449E-01
CD-109	7.873E-01
SN-126	7.550E-02
HG-203	4.673E-02
TL-208	2.879E-02
BI-211	1.565E-01
BI-212	4.161E-01
PB-212	5.367E-02
BI-214	5.609E-02
PB-214	5.692E-02
RN-222	5.692E-02
RA-224	5.750E-01
RA-226	5.692E-02
AC-228	9.970E-02
RA-228	9.970E-02
TH-228	5.367E-02
TH-230	5.692E-02
PA-231	4.035E-01
TH-232	9.970E-02
U-234	5.692E-02
U-235	1.685E-01
AM-243	5.165E-02
ANH-511	1.978E-02

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/G)	
BE-7	3.544E-01	NOT IDENT.
NA-22	4.118E-02	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF
AL-26	2.929E-02	NOT IDENT.
SC-46	4.531E-02	FAIL ABUN
V-48	1.377E-01	NOT IDENT.
CR-51	5.331E-01	NOT IDENT.
MN-52	1.599E+00	FAIL ABUN

MN-54	3.966E-02	NOT IDENT.
CO-56	3.602E-02	FAIL ABUN
MN-56	0.000E+00	SHORT HLIF
CO-57	2.193E-02	NOT IDENT.
CO-58	4.329E-02	NOT IDENT.
FE-59	1.082E-01	NOT IDENT.
CO-60	2.729E-02	NOT IDENT.
ZN-65	7.568E-02	NOT IDENT.
GE-68	1.236E+00	NOT IDENT.
AS-73	1.716E+00	NOT IDENT.
AS-74	1.539E-01	FAIL ABUN
SE-75	4.207E-02	NOT IDENT.
BR-77	0.000E+00	SHORT HLIF
SR-82	5.602E-01	NOT IDENT.
RB-83	6.437E-02	NOT IDENT.
RB-84	8.429E-02	NOT IDENT.
KR-85	5.705E+00	NOT IDENT.
SR-85	3.649E-02	NOT IDENT.
RB-86	1.472E+00	NOT IDENT.
Y-88	3.477E-02	NOT IDENT.
Y-91	2.867E+01	NOT IDENT.
NB-94	3.237E-02	NOT IDENT.
NB-95	3.825E-02	NOT IDENT.
NB-95M	1.308E-01	NOT IDENT.
ZR-95	7.804E-02	NOT IDENT.
NB-97	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	SHORT HLIF
MO-99	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	SHORT HLIF
RH-101	2.449E-02	NOT IDENT.
RH-102	4.775E-02	FAIL ABUN
RU-103	4.661E-02	FAIL ABUN
RH-106	2.626E-01	NOT IDENT.
RU-106	2.626E-01	NOT IDENT.
AG-108M	2.970E-02	NOT IDENT.
AG-110	6.479E-01	NOT IDENT.
AG-110M	4.769E-02	NOT IDENT.
SN-113	4.430E-02	NOT IDENT.
CD-115	0.000E+00	SHORT HLIF
SN-117M	1.319E-01	NOT IDENT.
SB-122	0.000E+00	SHORT HLIF
TE-123M	3.103E-02	NOT IDENT.
SB-124	1.008E-01	NOT IDENT.
SB-125	7.823E-02	FAIL ABUN
TE-125M	1.207E+01	NOT IDENT.
I-126	5.147E-01	NOT IDENT.
SB-126	1.957E-01	NOT IDENT.
SB-127	2.636E+01	NOT IDENT.
I-131	4.434E-01	FAIL ABUN
I-132	0.000E+00	SHORT HLIF
TE-132	0.000E+00	SHORT HLIF
BA-133	2.883E-02	FAIL ABUN
I-133	0.000E+00	SHORT HLIF
CS-134	5.032E-02	FAIL ABUN
I-135	0.000E+00	SHORT HLIF
CS-136	1.925E-01	NOT IDENT.
BA-137M	3.174E-02	NOT IDENT.
CS-137	3.353E-02	NOT IDENT.
LA-138	4.476E-02	NOT IDENT.
CE-139	2.811E-02	NOT IDENT.
BA-140	5.911E-01	NOT IDENT.
LA-140	1.663E-01	FAIL ABUN
CE-141	8.842E-02	NOT IDENT.
CE-143	0.000E+00	SHORT HLIF
CE-144	1.793E-01	NOT IDENT.
PM-144	3.028E-02	NOT IDENT.
PR-144	2.288E+00	NOT IDENT.
PM-146	4.071E-02	FAIL ABUN
ND-147	1.326E+00	NOT IDENT.
PM-147	6.042E+02	NOT IDENT.
PM-149	0.000E+00	SHORT HLIF
EU-150	2.079E-02	FAIL ABUN
EU-152	7.844E-02	FAIL ABUN
GD-153	8.567E-02	NOT IDENT.
EU-154	1.146E-01	NOT IDENT.
EU-155	1.077E-01	FAIL ABUN
TB-160	1.435E-01	FAIL ABUN
HO-166M	4.084E-02	FAIL ABUN

TM-171	3.396E+01	NOT IDENT.
HF-172	1.809E-01	NOT IDENT.
LU-172	5.372E-02	FAIL ABUN
LU-176	2.104E-02	FAIL ABUN
HF-181	4.316E-02	NOT IDENT.
TA-182	2.143E-01	FAIL ABUN
RE-183	3.643E-01	NOT IDENT.
RE-184	1.593E-01	FAIL ABUN
W-188	7.479E+00	NOT IDENT.
IR-192	3.655E-02	FAIL ABUN
TL-204	5.764E+00	NOT IDENT.
BI-207	4.003E-02	FAIL ABUN
BI-210	8.237E+00	NOT IDENT.
PB-210	8.237E+00	NOT IDENT.
PB-211	6.459E-01	NOT IDENT.
BI-213	8.152E-02	NOT IDENT.
RN-219	3.465E-01	FAIL ABUN
RA-223	6.161E-01	FAIL ABUN
AC-225	1.864E+00	NOT IDENT.
AC-227	2.410E-01	FAIL ABUN
TH-227	2.410E-01	FAIL ABUN
TH-229	4.644E-01	FAIL ABUN
TH-231	6.161E-01	FAIL ABUN
PA-233	5.035E-02	FAIL ABUN
PA-234	1.975E-01	NOT IDENT.
PA-234M	1.852E+00	FAIL ABUN
TH-234	1.852E+00	FAIL ABUN
NP-237	5.035E-02	FAIL ABUN
NP-238	0.000E+00	SHORT HLIF
U-238	1.852E+00	FAIL ABUN
NP-239	2.691E-01	FAIL ABUN
PU-239	3.305E+02	NOT IDENT.
AM-241	2.103E-01	NOT IDENT.
CM-243	8.685E-02	FAIL ABUN
BK-247	6.578E-02	NOT IDENT.
CM-247	3.222E-02	FAIL ABUN
CF-249	3.950E-02	NOT IDENT.
CF-251	9.622E-02	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 12:41:15.09

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1206172841.CNF;2  *
* Acquisition date : 12-AUG-2025 09:46:07 Sensitivity     : 3.000       *
* Detector ID      : GAM32                Energy tolerance: 1.500       *
* Elapsed live time:    0 01:00:00.00     Abundance limit : 75.000      *
* Elapsed real time:    0 01:00:00.70     Half life ratio : *****       *
* Sample date      : 10-JUL-2025 08:00:00 Nuclide Library : SOLID       *
* Sample ID        : G1206172841          Analyst initials: RXF2        *
* Batch Number     : 2831784              Sample Quantity : 1.1557E+02 G *
*                                         Quantity Err(%) : 1.7306E-03 % *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000  *
*                                         Dry Weight      :    0.00000  *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 24-JUL-2025 06:17:00 Eff. Geometry   : CAN         *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM32_CAN.CNF;25        *
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Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/G)	Act Error (1.96-sigma)	TPU (1.96-sigma)
K-40	1.280E+01	2.124E+00	2.124E+00
CD-109	2.644E+00	1.581E+00	1.581E+00
SN-126	2.515E-01	1.498E-01	1.498E-01
HG-203	1.716E-02	7.099E-02	7.099E-02
TL-208	4.403E-01	1.109E-01	1.109E-01
BI-211	4.547E+00	7.949E-01	7.949E-01
BI-212	1.124E+00	1.118E+00	1.118E+00
PB-212	1.332E+00	1.877E-01	1.877E-01
BI-214	1.119E+00	2.407E-01	2.407E-01
PB-214	1.650E+00	2.872E-01	2.872E-01
RN-222	1.650E+00	2.872E-01	2.872E-01
RA-224	3.953E+00	1.450E+00	1.450E+00
RA-226	1.650E+00	2.872E-01	2.872E-01
AC-228	1.342E+00	4.514E-01	4.514E-01
RA-228	1.342E+00	4.514E-01	4.514E-01
TH-228	1.332E+00	1.877E-01	1.877E-01
TH-230	1.650E+00	2.872E-01	2.872E-01
PA-231	9.298E-01	8.876E-01	8.876E-01
TH-232	1.342E+00	4.514E-01	4.514E-01
U-234	1.650E+00	2.872E-01	2.872E-01
U-235	-2.472E-01	2.225E-01	2.225E-01
AM-243	4.364E-01	1.340E-01	1.340E-01
ANH-511	1.747E-01	7.824E-02	7.824E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/G)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	8.721E-02	3.975E-01	3.995E-01	NOT IDENT.
NA-22	2.173E-02	4.382E-02	4.490E-02	NOT IDENT.
NA-24	2.545E+13	3.376E+14	3.378E+14	SHORT HLIF
AL-26	1.773E-02	2.816E-02	2.927E-02	NOT IDENT.
SC-46	1.632E-02	5.206E-02	5.258E-02	FAIL ABUN
V-48	-8.091E-04	1.691E-01	1.691E-01	NOT IDENT.
CR-51	-2.868E-02	6.667E-01	6.668E-01	NOT IDENT.

MN-52	-1.322E+00	2.288E+00	2.364E+00	FAIL ABUN
MN-54	2.691E-02	4.358E-02	4.523E-02	NOT IDENT.
CO-56	5.686E-03	4.719E-02	4.726E-02	FAIL ABUN
MN-56	1.000E+41	8.300E+41	0.000E+00	SHORT HLIF
CO-57	3.474E-03	2.525E-02	2.530E-02	NOT IDENT.
CO-58	2.984E-02	4.658E-02	4.849E-02	NOT IDENT.
FE-59	5.655E-02	1.213E-01	1.240E-01	NOT IDENT.
CO-60	-4.917E-02	4.469E-02	4.988E-02	NOT IDENT.
ZN-65	-7.075E-02	1.165E-01	1.208E-01	NOT IDENT.
GE-68	8.874E-01	1.329E+00	1.388E+00	NOT IDENT.
AS-73	-4.609E-01	1.964E+00	1.975E+00	NOT IDENT.
AS-74	9.136E-02	1.657E-01	1.707E-01	FAIL ABUN
SE-75	-1.867E-02	5.390E-02	5.455E-02	NOT IDENT.
BR-77	3.909E+04	3.773E+04	4.164E+04	SHORT HLIF
SR-82	4.008E-01	6.821E-01	7.056E-01	NOT IDENT.
RB-83	-1.062E-02	7.653E-02	7.668E-02	NOT IDENT.
RB-84	-3.635E-02	1.100E-01	1.112E-01	NOT IDENT.
KR-85	-4.943E-01	7.474E+00	7.477E+00	NOT IDENT.
SR-85	-3.286E-03	4.783E-02	4.785E-02	NOT IDENT.
RB-86	1.113E+00	1.573E+00	1.651E+00	NOT IDENT.
Y-88	-6.531E-03	4.451E-02	4.461E-02	NOT IDENT.
Y-91	3.277E+01	2.842E+01	3.203E+01	NOT IDENT.
NB-94	1.734E-02	3.591E-02	3.675E-02	NOT IDENT.
NB-95	1.645E-02	4.562E-02	4.622E-02	NOT IDENT.
NB-95M	-2.409E-02	1.756E-01	1.760E-01	NOT IDENT.
ZR-95	6.750E-03	1.031E-01	1.032E-01	NOT IDENT.
NB-97	-1.000E+41	1.248E+41	0.000E+00	SHORT HLIF
ZR-97	7.354E+13	7.916E+13	8.583E+13	SHORT HLIF
MO-99	3.231E+02	1.128E+03	1.137E+03	SHORT HLIF
TC-99M	-4.905E+37	1.420E+38	0.000E+00	SHORT HLIF
RH-101	-4.472E-02	3.396E-02	3.949E-02	NOT IDENT.
RH-102	5.329E-02	5.965E-02	6.431E-02	FAIL ABUN
RU-103	6.198E-03	5.312E-02	5.319E-02	FAIL ABUN
RH-106	5.493E-02	3.001E-01	3.011E-01	NOT IDENT.
RU-106	5.493E-02	3.001E-01	3.011E-01	NOT IDENT.
AG-108M	2.932E-02	3.076E-02	3.348E-02	NOT IDENT.
AG-110	-4.797E-01	9.608E-01	9.848E-01	NOT IDENT.
AG-110M	1.126E-02	5.571E-02	5.594E-02	NOT IDENT.
SN-113	-6.332E-03	5.117E-02	5.125E-02	NOT IDENT.
CD-115	2.091E+03	3.079E+03	3.220E+03	SHORT HLIF
SN-117M	1.178E-01	1.462E-01	1.556E-01	NOT IDENT.
SB-122	1.357E+01	1.972E+02	1.973E+02	SHORT HLIF
TE-123M	3.279E-02	3.402E-02	3.709E-02	NOT IDENT.
SB-124	5.820E-02	1.013E-01	1.046E-01	NOT IDENT.
SB-125	2.547E-02	8.635E-02	8.711E-02	FAIL ABUN
TE-125M	6.283E+00	1.350E+01	1.379E+01	NOT IDENT.
I-126	-4.198E-02	6.169E-01	6.172E-01	NOT IDENT.
SB-126	-3.307E-01	3.430E-01	3.740E-01	NOT IDENT.
SB-127	-3.703E+00	3.202E+01	3.206E+01	NOT IDENT.
I-131	-1.527E-01	5.818E-01	5.858E-01	FAIL ABUN
I-132	-1.000E+41	7.253E+41	0.000E+00	SHORT HLIF
TE-132	2.618E+01	3.482E+01	3.676E+01	SHORT HLIF
BA-133	-6.713E-03	3.739E-02	3.751E-02	FAIL ABUN
I-133	-6.337E+09	1.017E+10	1.057E+10	SHORT HLIF
CS-134	5.029E-02	5.695E-02	6.129E-02	FAIL ABUN
I-135	7.975E+34	2.901E+35	0.000E+00	SHORT HLIF
CS-136	-1.233E-01	2.706E-01	2.763E-01	NOT IDENT.
BA-137M	3.406E-03	3.707E-02	3.711E-02	NOT IDENT.
CS-137	3.598E-03	3.917E-02	3.920E-02	NOT IDENT.
LA-138	-1.432E-02	5.701E-02	5.737E-02	NOT IDENT.
CE-139	1.317E-02	3.222E-02	3.276E-02	NOT IDENT.
BA-140	2.146E-01	6.556E-01	6.627E-01	NOT IDENT.
LA-140	-2.104E-01	2.658E-01	2.822E-01	FAIL ABUN
CE-141	5.687E-02	9.955E-02	1.028E-01	NOT IDENT.
CE-143	1.613E+06	1.282E+06	1.474E+06	SHORT HLIF
CE-144	-4.777E-02	2.146E-01	2.157E-01	NOT IDENT.
PM-144	-3.130E-03	3.657E-02	3.659E-02	NOT IDENT.
PR-144	-2.365E-01	2.762E+00	2.764E+00	NOT IDENT.
PM-146	4.736E-02	4.116E-02	4.637E-02	FAIL ABUN
ND-147	-4.663E-01	1.621E+00	1.634E+00	NOT IDENT.
PM-147	-1.441E+02	7.187E+02	7.216E+02	NOT IDENT.
PM-149	-9.474E+03	2.900E+04	2.932E+04	SHORT HLIF
EU-150	-3.212E-02	3.345E-02	3.645E-02	FAIL ABUN
EU-152	3.832E-02	9.197E-02	9.358E-02	FAIL ABUN
GD-153	-2.933E-02	1.017E-01	1.026E-01	NOT IDENT.
EU-154	5.804E-02	1.223E-01	1.251E-01	NOT IDENT.
EU-155	1.309E-01	1.147E-01	1.290E-01	FAIL ABUN
TB-160	6.999E-02	1.602E-01	1.633E-01	FAIL ABUN

HO-166M	-4.511E-02	6.664E-02	6.968E-02	FAIL ABUN
TM-171	1.013E+01	3.718E+01	3.746E+01	NOT IDENT.
HF-172	2.315E-01	1.952E-01	2.213E-01	NOT IDENT.
LU-172	2.261E-02	6.089E-02	6.173E-02	FAIL ABUN
LU-176	-6.678E-03	2.706E-02	2.722E-02	FAIL ABUN
HF-181	-2.272E-02	5.631E-02	5.724E-02	NOT IDENT.
TA-182	1.014E-01	2.334E-01	2.379E-01	FAIL ABUN
RE-183	3.008E-01	3.863E-01	4.094E-01	NOT IDENT.
RE-184	8.971E-02	1.754E-01	1.800E-01	FAIL ABUN
W-188	3.741E-01	9.976E+00	9.978E+00	NOT IDENT.
IR-192	-4.801E-03	4.606E-02	4.611E-02	FAIL ABUN
TL-204	6.025E+00	6.493E+00	7.038E+00	NOT IDENT.
BI-207	-9.007E-03	5.177E-02	5.193E-02	FAIL ABUN
BI-210	2.186E+00	8.990E+00	9.044E+00	NOT IDENT.
PB-210	2.186E+00	8.990E+00	9.044E+00	NOT IDENT.
PB-211	1.393E-01	7.524E-01	7.550E-01	NOT IDENT.
BI-213	1.604E-02	9.132E-02	9.160E-02	NOT IDENT.
RN-219	3.882E-02	3.906E-01	3.910E-01	FAIL ABUN
RA-223	5.394E-01	6.979E-01	7.391E-01	FAIL ABUN
AC-225	1.259E-01	2.241E+00	2.241E+00	NOT IDENT.
AC-227	3.514E-01	2.587E-01	3.033E-01	FAIL ABUN
TH-227	3.514E-01	2.587E-01	3.033E-01	FAIL ABUN
TH-229	-1.449E-01	5.712E-01	5.749E-01	FAIL ABUN
TH-231	5.394E-01	6.979E-01	7.391E-01	FAIL ABUN
PA-233	-8.237E-03	6.374E-02	6.384E-02	FAIL ABUN
PA-234	-3.479E-01	5.155E-01	5.388E-01	NOT IDENT.
PA-234M	4.828E-01	2.006E+00	2.018E+00	FAIL ABUN
TH-234	4.828E-01	2.006E+00	2.018E+00	FAIL ABUN
NP-237	-8.237E-03	6.374E-02	6.384E-02	FAIL ABUN
NP-238	1.207E+03	7.868E+03	7.886E+03	SHORT HLIF
U-238	4.828E-01	2.006E+00	2.018E+00	FAIL ABUN
NP-239	7.802E-02	3.070E-01	3.090E-01	FAIL ABUN
PU-239	2.839E+02	3.641E+02	3.859E+02	NOT IDENT.
AM-241	-4.887E-02	2.407E-01	2.418E-01	NOT IDENT.
CM-243	-9.420E-02	1.096E-01	1.175E-01	FAIL ABUN
BK-247	-4.310E-02	8.660E-02	8.875E-02	NOT IDENT.
CM-247	9.966E-03	3.560E-02	3.588E-02	FAIL ABUN
CF-249	2.666E-02	4.223E-02	4.390E-02	NOT IDENT.
CF-251	-1.210E-01	1.287E-01	1.398E-01	NOT IDENT.

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

GAMMA SPECTROSCOPY BACKGROUND REPORT

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
43.53	48.2357	85.43	97.2945	133.02	58.7443
45.60	45.1282	86.55	83.7555	133.52	63.8546
46.54	47.8135	86.79	83.7943	136.00	55.9450
49.72	0.0000	86.94	83.8188	136.47	76.3390
51.35	60.5795	87.09	83.8427	140.51	0.0000
51.87	59.7983	87.57	78.9102	143.76	81.2313
52.39	51.2034	88.03	78.9794	144.24	65.8516
52.97	50.4139	88.34	79.0262	145.44	62.8672
53.44	58.3096	88.47	79.0461	152.43	78.0201
54.07	45.3306	89.96	74.2367	153.25	61.4424
57.36	0.0000	1093.63	74.3316	323.87	60.4763
57.53	44.8579	91.11	74.3970	156.02	74.2057
57.98	45.7892	92.59	74.6022	158.56	54.5256
59.27	68.0221	93.35	70.9080	159.00	53.5074
59.32	68.0306	94.56	63.4511	162.33	61.1082
59.54	60.1117	94.65	63.4618	162.66	56.9177
60.96	71.8536	94.67	63.4638	163.33	52.7458
61.17	71.8903	94.87	63.4872	165.86	48.6792
62.93	70.4133	97.43	71.7533	176.31	52.5148
63.29	60.6608	98.43	63.2557	176.60	54.6770
63.58	60.7026	98.44	63.2567	177.52	60.1024
64.28	79.5807	99.53	68.1805	181.07	0.0000
66.73	71.0423	100.11	67.2886	181.52	57.1503
67.24	64.8232	102.03	55.9401	184.41	49.0465
125.81	57.6787	103.18	74.4128	143.76	50.9258
67.75	54.9834	103.37	66.7037	193.51	62.3055
68.89	71.3924	105.31	51.4060	197.03	64.7428
69.67	70.0090	106.12	63.1314	198.01	54.9255
70.82	54.4556	106.47	76.7741	201.83	47.4321
70.83	54.4569	109.28	65.4184	203.43	58.5632
72.81	61.9861	111.00	82.2491	205.31	55.3589
72.87	61.9944	111.76	0.0000	210.85	64.5924
74.66	62.2336	114.06	74.7864	215.65	52.6032
74.82	62.2543	116.30	0.0000	218.12	52.7359
74.97	62.2745	116.74	71.1530	222.11	43.9369
77.11	62.5562	119.76	49.6464	227.09	43.0231
78.74	62.7679	121.12	52.7360	227.38	36.2407
79.69	64.1235	121.22	52.7440	228.16	0.0000
80.03	53.0615	121.78	38.8450	228.18	35.1356
80.12	53.0720	122.06	48.8262	116.74	35.1356
80.19	53.0794	122.92	49.8882	235.69	57.8481
80.57	53.1206	123.07	49.8997	235.96	57.8628
81.00	66.7678	265.00	58.9365	238.63	57.2479
81.07	66.7771	125.81	43.0922	238.98	0.0000
81.75	69.6545	127.23	76.3241	240.99	57.3761
82.47	80.9167	127.91	68.3598	242.00	57.4310
83.79	68.3841	129.30	58.4266	244.70	39.9204
84.00	68.4126	131.20	63.6402	252.40	31.3143

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.80	29.0054	345.93	29.0312	564.24	0.0000
254.15	0.0000	351.06	25.1196	569.33	20.0045
256.23	25.6045	351.93	25.1349	946.00	18.1009
260.90	0.0000	355.39	0.0000	569.70	18.1032
264.66	44.5614	356.01	21.4269	583.19	17.2639
264.80	44.5660	364.49	29.1627	584.27	17.2727
265.00	44.5742	366.42	0.0000	595.83	11.5796
269.46	39.2537	372.51	26.3499	427.87	15.4746
270.03	34.1676	375.05	28.0989	602.52	0.0000
271.23	34.2039	377.52	33.2633	604.72	15.9891
273.65	48.8525	356.01	23.9839	607.14	18.9184
276.40	45.8081	388.16	26.6299	609.32	17.4807
277.37	53.7517	388.63	25.7788	610.33	17.4888
277.60	49.8083	391.69	30.9976	614.28	27.7416
278.00	49.8263	264.66	26.8494	618.01	16.5767
279.20	45.9178	401.81	25.1360	620.36	15.6185
279.54	45.9320	402.40	23.4113	621.93	13.6764
279.70	34.8494	404.85	27.0962	630.19	0.0000
280.46	36.4569	410.95	24.8482	631.29	7.3581
283.69	35.7614	413.71	20.9614	633.25	0.0000
284.31	39.3587	414.70	19.2267	634.78	14.7394
285.41	47.7515	423.72	28.1243	635.95	17.6968
285.90	0.0000	427.09	22.0184	636.99	10.3278
287.50	46.6386	427.87	20.2668	657.50	23.8242
290.67	36.7695	433.94	19.4577	657.76	23.8271
293.27	0.0000	439.40	14.1982	657.90	0.0000
351.93	33.6978	440.45	17.7588	661.66	17.9011
295.96	33.7183	453.88	14.3216	664.57	0.0000
879.38	38.6172	463.37	15.3015	666.33	19.9308
299.98	35.4394	468.07	15.3430	666.50	16.9426
300.09	35.4421	473.00	14.9340	667.71	0.0000
300.13	35.4430	475.06	9.7864	677.62	15.0220
301.36	35.4788	476.78	22.6761	685.70	15.0739
302.85	38.7500	477.60	19.9644	692.65	0.0000
256.23	31.5256	482.18	20.7437	695.00	18.1604
304.85	32.7480	487.02	17.3336	696.49	18.1721
306.78	32.7983	492.35	0.0000	696.51	18.1721
308.46	31.6256	497.08	19.2654	697.00	16.1563
311.90	29.2720	505.52	13.8245	697.30	16.1582
316.51	36.7209	507.63	0.0000	697.49	14.1396
319.41	24.5355	511.00	13.8654	702.65	16.1947
320.08	38.0499	514.00	22.2207	706.68	18.2498
321.04	44.2200	514.00	22.2207	711.68	18.2878
323.87	28.3127	520.40	18.5807	720.70	14.6848
325.23	38.2003	520.69	0.0000	721.93	0.0000
328.76	42.0092	522.65	0.0000	722.78	9.1860
333.37	36.3686	527.90	0.0000	722.91	9.1864
333.97	41.3462	528.26	13.9935	723.31	9.1879
334.37	39.7041	529.59	24.2724	724.19	10.7230
338.28	32.3532	529.87	0.0000	727.33	15.3381
338.32	32.3540	531.02	18.6849	733.00	17.4233
311.90	32.4056	537.26	14.9961	735.93	15.3918
340.48	32.4056	546.56	0.0000	333.97	16.4284
340.55	32.4072	552.55	11.3359	739.50	0.0000
344.28	21.2469	563.25	19.9447	744.23	12.3550

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
747.24	17.5236	964.08	14.4869	1457.56	0.0000
748.06	13.4047	966.17	14.4970	1460.82	7.6543
752.31	18.5918	968.97	14.5102	1489.16	7.7041
753.82	10.3353	983.53	12.3352	1505.03	4.6392
756.73	15.5206	984.45	0.0000	1584.12	7.8677
756.80	15.5212	1274.44	10.1334	1596.21	8.8742
884.68	0.0000	1002.74	7.8978	1620.50	4.9557
765.81	7.7881	1004.73	10.1605	1621.92	3.9658
766.84	14.0240	507.63	0.0000	1678.03	0.0000
772.60	0.0000	1025.87	0.0000	1690.97	2.0115
776.52	12.5127	1028.54	0.0000	1750.46	0.0000
739.50	0.0000	1037.84	12.5469	1764.49	1.0207
778.90	15.6555	1038.76	0.0000	1063.66	0.0000
783.70	16.7305	631.29	14.8673	1771.35	5.4512
788.74	20.4291	1048.07	11.4421	1791.20	0.0000
792.07	12.5879	1049.04	8.0117	1808.65	1.0295
795.86	20.4847	1050.41	11.4502	1810.72	0.0000
810.06	12.6738	1063.66	10.3462	1836.06	4.1396
810.29	12.6748	1077.00	6.9248		
344.28	11.6195	1077.34	6.9258		
810.76	9.5079	1085.87	8.1006		
815.77	10.5839	1093.63	6.9590		
1048.07	9.5354	1099.45	8.1325		
832.01	23.4251	1112.07	12.8271		
834.85	13.8564	1112.84	9.3307		
836.80	0.0000	1115.54	18.2089		
846.75	0.0000	1120.29	8.7665		
846.77	9.6343	1120.55	8.7671		
856.80	17.7266	1221.41	5.6121		
860.56	15.0613	1129.67	11.4274		
871.09	8.6387	1131.51	0.0000		
873.19	16.2097	1147.95	0.0000		
875.33	0.0000	1173.23	6.2288		
879.38	9.7467	1177.95	12.4739		
880.51	11.9176	1189.05	11.6186		
881.60	15.1735	1204.77	8.0782		
883.24	11.9288	1221.41	12.6226		
884.68	11.9350	1231.02	10.8472		
889.28	13.0405	1235.36	14.4795		
894.76	14.1542	1238.28	9.9620		
898.04	10.9001	1260.41	0.0000		
900.72	17.4564	1271.87	10.9636		
903.28	8.7360	1274.44	7.3140		
911.20	8.7594	1274.54	7.3145		
912.08	8.7624	1291.59	9.1827		
923.98	0.0000	1298.22	0.0000		
926.50	8.2547	1312.11	9.2310		
929.11	9.9144	1332.49	13.9169		
935.54	8.2797	1362.66	0.0000		
937.49	11.5993	1365.19	5.6122		
944.13	8.8568	1368.63	0.0000		
946.00	17.7246	1384.29	0.9397		
949.00	9.9800	1408.01	2.8352		
667.71	0.0000	1434.09	5.7052		
962.31	14.4785	1435.80	6.6586		

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 07:36:27.16

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1206172842.CNF;1
Background file  : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM50.CNF;102
                                     Background date  : 10-AUG-2025 10:30:21
Sample date      : 23-JUL-2025 00:00:00 Acquisition date : 12-AUG-2025 07:21:01
Sample ID        : G1206172842          Sample quantity  : 1.15000E+02 GRAM
Detector name    : GAM50                Detector geometry: CAN
Elapsed live time: 0 00:15:00.00        Elapsed real time: 0 00:15:02.88  0.3%
Energy tolerance : 1.50000 keV          Analyst Initials : RXF2
Abundance limit  : 75.00000             Sensitivity      : 3.00000
Batch ID         : 2831784              Detector SN#     :
Matrix Spike ID  :                      LCS ID           :
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BACKGROUND CORRECTED SAMPLE PEAK REPORT

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	46.54	676	791	0.93	93.31	89	8	7.52E-01	8.2	
2	0	59.53	5912	1267	1.01	119.29	113	11	6.57E+00	1.7	
3	0	75.81*	34	428	0.90	151.86	150	7	3.79E-02	101.8	
4	0	79.14	75	342	1.57	158.52	156	6	8.31E-02	40.8	
5	0	98.73	26	437	1.26	197.72	195	7	2.93E-02	132.6	
6	0	124.33	42	415	0.78	248.93	246	7	4.63E-02	82.4	
7	0	158.00	39	470	1.35	316.29	312	9	4.36E-02	101.1	
8	0	416.85	4	215	1.44	834.17	830	6	4.06E-03	639.8	
9	0	419.72	66	379	3.50	839.92	835	11	7.28E-02	58.8	
10	0	461.20*	45	324	1.83	922.90	920	8	5.00E-02	71.0	
11	0	524.90	34	95	1.45	1050.37	1048	6	3.75E-02	48.7	
12	0	627.79	18	141	0.60	1256.24	1250	12	2.03E-02	132.4	
13	0	661.55	9702	189	1.44	1323.80	1316	16	1.08E+01	1.1	
14	0	690.17	19	71	0.99	1381.06	1376	9	2.12E-02	83.2	
15	0	750.50	42	98	3.41	1501.79	1494	14	4.65E-02	52.5	
16	0	823.23	46	106	3.86	1647.34	1637	14	5.14E-02	49.9	
17	0	1099.41	29	68	2.48	2200.04	2196	9	3.21E-02	54.7	
18	0	1144.33	39	80	5.75	2289.94	2280	19	4.30E-02	58.0	
19	1	1172.93	2278	54	2.05	2347.18	2337	23	2.53E+00	2.2	7.77E+00
20	1	1177.20	43	24	2.26	2355.73	2337	23	4.78E-02	25.5	
21	0	1269.49	8	15	0.64	2540.44	2531	16	9.42E-03	110.0	
22	0	1332.15	2116	35	1.94	2665.85	2656	21	2.35E+00	2.3	
23	0	1358.32	5	6	1.01	2718.24	2708	12	5.96E-03	100.4	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 12-AUG-2025 07:36:28

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1206172842.CNF;1		
Analyses by	: PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4		
Sample title	: RXF2		
Sample date	: 23-JUL-2025 00:00:00	Acquisition date	: 12-AUG-2025 07:21:01
Sample ID	: G1206172842	Sample quantity	: 115.00 GRAM
Sample type	: SOLID	Sample geometry	:
Detector name	: GAMMA50	Detector geometry	: CAN
Elapsed live time	: 0 00:15:00.00	Elapsed real time	: 0 00:15:02.88 0.3%
Energy tolerance	: 1.50 keV	Half life ratio	: 10.00
Errors propagated	: No	Systematic Error	: 0.00 %
Efficiency type	: Empirical	Efficiencies at	: Peak Energy
Abundance limit	: 75.00		

Interference Report

No interference correction performed

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
CO-60	1173.23	2170	99.85	1.255E+00	4.523E+01	4.556E+01	4.36
	1332.49	2004	99.98*	1.108E+00	4.724E+01	4.758E+01	4.58
SN-117M	156.02	------	2.11	5.696E+00	------ Line Not Found		------
	158.56	41	86.40*	5.675E+00	2.167E-01	6.100E-01	202.16
TE-123M	159.00	41	84.00*	5.675E+00	2.228E-01	2.508E-01	202.16
BA-137M	661.66	9475	89.90*	2.203E+00	1.250E+02	1.251E+02	2.13
CS-137	661.66	9475	85.10*	2.203E+00	1.320E+02	1.322E+02	2.13
BI-210	46.54	737	4.25*	9.943E-02	4.551E+03	4.559E+03	16.33
PB-210	46.54	737	4.25*	9.943E-02	4.551E+03	4.559E+03	16.33
AM-241	59.54	6375	35.90*	8.018E-01	5.783E+02	5.783E+02	3.48
AM-243	43.53	------	5.90	4.588E-02	------ Line Not Found		------
	74.66	36	67.20*	2.577E+00	5.500E-01	5.500E-01	203.56

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 07:36:29.24

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*****************************************************************************
*                            GEL Laboratories LLC                           *
*                              2040 Savage Road                             *
*                            Charleston, SC 29407                           *
*****************************************************************************
*                                                                           *
*                          DETECTOR AND SAMPLE DATA                         *
*                                                                           *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1206172842.CNF;1  *
* Acquisition date : 12-AUG-2025 07:21:01 Sensitivity     : 3.000           *
* Detector ID      : GAM50                Energy tolerance: 1.500           *
* Elapsed live time:    0 00:15:00.00     Abundance limit : 75.000          *
* Elapsed real time:    0 00:15:02.88     Half life ratio : *****           *
* Sample date      : 23-JUL-2025 00:00:00 Analyst initials: RXF2            *
* Sample ID        : G1206172842          Sample Quantity : 1.1500E+02 GRAM *
* Batch Number     : 2831784              Wet Weight      :    0.00000      *
* Wet wt corr      :    1.00000           Dry Weight      :    0.00000      *
* Nuclide Library  : SOLID.NLB;19                                           *
*****************************************************************************
*                                                                           *
*                          CALIBRATION INFORMATION                          *
*                                                                           *
* Eff. Cal. date   : 25-JUL-2025 13:31:25 Eff. Geometry   : CAN             *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM50_CAN.CNF;8             *
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Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Cnt uncert (1.96-sigma)	MDA (pCi/GRAM)
CO-60	4.758E+01	2.134E+00	4.424E-01
SN-117M	6.100E-01	1.209E+00	1.143E+00
TE-123M	2.508E-01	4.968E-01	4.325E-01
BA-137M	1.251E+02	2.610E+00	6.267E-01
CS-137	1.322E+02	2.757E+00	6.621E-01
BI-210	4.559E+03	7.296E+02	5.696E+02
PB-210	4.559E+03	7.296E+02	5.696E+02
AM-241	5.783E+02	1.970E+01	9.263E+00
AM-243	5.500E-01	1.097E+00	1.163E+00

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	3.795E+00	4.939E+00	8.915E+00	NOT IDENT.
NA-22	6.398E-02	2.059E-01	3.908E-01	NOT IDENT.
NA-24	0.000E+00	1.107E+09	0.000E+00	SHORT HLIF
AL-26	1.386E-01	1.999E-01	4.724E-01	NOT IDENT.
K-40	-4.492E-01	1.434E+00	2.959E+00	NOT IDENT.
SC-46	1.679E-01	4.937E-01	9.133E-01	NOT IDENT.
V-48	1.741E-01	1.048E+00	1.911E+00	NOT IDENT.
CR-51	-3.920E-01	4.506E+00	8.135E+00	NOT IDENT.
MN-52	4.369E-01	1.999E+00	4.328E+00	NOT IDENT.
MN-54	-2.841E-01	3.629E-01	6.285E-01	NOT IDENT.
CO-56	-1.340E-01	3.985E-01	7.146E-01	NOT IDENT.
MN-56	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CO-57	3.024E-02	2.728E-01	4.445E-01	NOT IDENT.
CO-58	-8.644E-02	3.790E-01	6.891E-01	NOT IDENT.
FE-59	1.304E+00	1.397E+00	2.218E+00	FAIL ABUN
ZN-65	-5.069E-01	9.431E-01	1.616E+00	NOT IDENT.
GE-68	-1.119E+01	1.530E+01	2.586E+01	NOT IDENT.
AS-73	-4.667E+01	4.942E+01	8.763E+01	NOT IDENT.
AS-74	-1.711E-02	1.152E+00	2.011E+00	NOT IDENT.
SE-75	3.389E-01	4.887E-01	9.182E-01	NOT IDENT.
BR-77	-1.819E+02	4.225E+02	6.909E+02	NOT IDENT.

SR-82	-2.315E+00	3.393E+00	5.975E+00	NOT IDENT.
RB-83	9.219E-01	8.416E-01	1.567E+00	NOT IDENT.
RB-84	-5.167E-01	8.287E-01	1.444E+00	NOT IDENT.
KR-85	-1.325E+01	7.697E+01	1.337E+02	NOT IDENT.
SR-85	-7.336E-02	4.308E-01	7.482E-01	NOT IDENT.
RB-86	-1.100E+01	1.153E+01	1.913E+01	NOT IDENT.
Y-88	3.564E-02	1.449E-01	3.581E-01	NOT IDENT.
Y-91	-6.970E+01	1.291E+02	2.230E+02	NOT IDENT.
NB-94	1.420E-01	2.918E-01	5.297E-01	NOT IDENT.
NB-95	1.315E-01	3.763E-01	7.152E-01	NOT IDENT.
NB-95M	5.438E-01	1.322E+00	2.250E+00	NOT IDENT.
ZR-95	-2.638E-01	6.369E-01	1.111E+00	NOT IDENT.
NB-97	0.000E+00	3.947E+40	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	3.125E+09	0.000E+00	SHORT HLIF
MO-99	-2.580E+02	4.160E+02	6.802E+02	NOT IDENT.
TC-99M	0.000E+00	5.194E+23	0.000E+00	SHORT HLIF
RH-101	2.538E-01	3.166E-01	5.342E-01	NOT IDENT.
RH-102	-1.812E-01	6.539E-01	9.850E-01	NOT IDENT.
RU-103	3.589E-01	5.341E-01	9.695E-01	NOT IDENT.
RH-106	1.547E+00	3.472E+00	5.641E+00	NOT IDENT.
RU-106	1.547E+00	3.472E+00	5.641E+00	NOT IDENT.
AG-108M	-2.962E-01	4.150E-01	7.090E-01	NOT IDENT.
CD-109	1.450E+00	8.010E+00	1.445E+01	NOT IDENT.
AG-110	6.925E+00	1.008E+01	1.629E+01	NOT IDENT.
AG-110M	3.840E-01	5.364E-01	1.027E+00	NOT IDENT.
SN-113	5.400E-01	5.508E-01	1.023E+00	NOT IDENT.
CD-115	-4.190E+02	7.236E+02	1.080E+03	NOT IDENT.
SB-122	2.708E+01	7.468E+01	1.342E+02	NOT IDENT.
SB-124	8.027E-02	3.748E-01	8.842E-01	NOT IDENT.
SB-125	-8.389E-01	1.232E+00	2.111E+00	NOT IDENT.
TE-125M	-3.313E+01	1.032E+02	1.797E+02	NOT IDENT.
I-126	4.248E-01	2.575E+00	4.117E+00	NOT IDENT.
SB-126	-5.316E-01	1.736E+00	2.933E+00	NOT IDENT.
SN-126	1.994E-01	7.845E-01	1.421E+00	NOT IDENT.
SB-127	2.052E+01	2.937E+01	5.011E+01	NOT IDENT.
I-131	-2.061E+00	2.107E+00	3.614E+00	FAIL ABUN
I-132	0.000E+00	1.467E+41	0.000E+00	SHORT HLIF
TE-132	-1.872E+01	2.385E+01	3.832E+01	NOT IDENT.
BA-133	2.753E-02	4.728E-01	8.517E-01	NOT IDENT.
I-133	0.000E+00	4.106E+06	0.000E+00	SHORT HLIF
CS-134	-8.249E-02	3.575E-01	6.514E-01	NOT IDENT.
I-135	0.000E+00	1.634E+22	0.000E+00	SHORT HLIF
CS-136	1.199E-01	1.590E+00	2.876E+00	NOT IDENT.
LA-138	1.261E-01	2.411E-01	5.608E-01	NOT IDENT.
CE-139	8.793E-02	2.912E-01	5.065E-01	NOT IDENT.
BA-140	1.272E+00	3.915E+00	6.999E+00	NOT IDENT.
LA-140	-1.074E-01	5.621E-01	1.140E+00	NOT IDENT.
CE-141	7.492E-01	6.520E-01	1.185E+00	NOT IDENT.
CE-143	0.000E+00	1.735E+04	0.000E+00	SHORT HLIF
CE-144	1.231E+00	1.958E+00	3.499E+00	FAIL ABUN
PM-144	-2.638E-02	2.754E-01	4.789E-01	NOT IDENT.
PR-144	-2.096E+00	2.066E+01	3.590E+01	NOT IDENT.
PM-146	1.817E-02	6.286E-01	1.103E+00	NOT IDENT.
ND-147	2.911E+00	8.899E+00	1.590E+01	NOT IDENT.
PM-147	-3.565E+03	8.056E+03	1.274E+04	NOT IDENT.
PM-149	-1.635E+03	4.864E+03	8.755E+03	NOT IDENT.
EU-150	9.486E-02	2.860E-01	5.242E-01	NOT IDENT.
EU-152	7.555E-01	1.137E+00	2.099E+00	NOT IDENT.
GD-153	5.587E-01	1.452E+00	1.560E+00	FAIL ABUN
EU-154	1.548E-01	5.763E-01	1.085E+00	FAIL ABUN
EU-155	-3.457E-01	1.029E+00	1.797E+00	NOT IDENT.
TB-160	-2.717E-01	1.459E+00	2.631E+00	FAIL ABUN
HO-166M	-1.207E-01	5.333E-01	9.103E-01	FAIL ABUN
TM-171	3.830E+02	1.060E+03	1.954E+03	NOT IDENT.
HF-172	1.803E+00	2.911E+00	3.325E+00	FAIL ABUN
LU-172	1.305E-01	7.245E-01	1.278E+00	FAIL ABUN
LU-176	-1.454E-01	2.709E-01	4.814E-01	NOT IDENT.
HF-181	4.636E-01	6.266E-01	1.136E+00	NOT IDENT.
TA-182	1.026E+00	9.809E-01	2.160E+00	FAIL ABUN
RE-183	0.000E+00	1.006E+01	2.116E+01	FAIL ABUN
RE-184	-3.217E-01	1.655E+00	2.957E+00	NOT IDENT.
W-188	-3.272E+01	8.041E+01	1.441E+02	NOT IDENT.
IR-192	9.348E-02	4.151E-01	7.581E-01	NOT IDENT.
HG-203	1.658E-01	4.223E-01	7.837E-01	NOT IDENT.
TL-204	-5.841E+01	6.740E+01	1.179E+02	FAIL ABUN
BI-207	-4.665E-01	5.754E-01	9.677E-01	FAIL ABUN
TL-208	-1.871E-01	3.427E-01	5.794E-01	NOT IDENT.
BI-211	4.130E-01	2.213E+00	4.019E+00	NOT IDENT.

PB-211	-2.304E+00	8.826E+00	1.549E+01	NOT IDENT.
BI-212	-2.353E+00	4.613E+00	7.646E+00	NOT IDENT.
PB-212	-3.589E-01	6.044E-01	9.799E-01	FAIL ABUN
BI-213	-1.582E+00	1.465E+00	2.458E+00	NOT IDENT.
BI-214	2.515E-01	6.685E-01	1.204E+00	NOT IDENT.
PB-214	6.458E-02	8.044E-01	1.454E+00	FAIL ABUN
RN-219	7.805E-01	4.956E+00	8.871E+00	NOT IDENT.
RN-222	6.458E-02	8.044E-01	1.454E+00	FAIL ABUN
RA-223	-3.403E-01	6.756E+00	1.221E+01	NOT IDENT.
RA-224	1.912E+00	6.204E+00	1.052E+01	NOT IDENT.
AC-225	-4.289E-01	8.981E+00	1.504E+01	NOT IDENT.
RA-226	6.458E-02	8.044E-01	1.454E+00	FAIL ABUN
AC-227	7.491E-01	2.580E+00	4.793E+00	FAIL ABUN
TH-227	7.491E-01	2.580E+00	4.793E+00	FAIL ABUN
AC-228	-5.769E-01	1.633E+00	2.896E+00	NOT IDENT.
RA-228	-5.769E-01	1.633E+00	2.896E+00	NOT IDENT.
TH-228	-3.589E-01	6.044E-01	9.799E-01	FAIL ABUN
TH-229	1.747E+00	5.573E+00	9.555E+00	NOT IDENT.
TH-230	6.457E-02	8.044E-01	1.454E+00	FAIL ABUN
PA-231	-8.402E-01	4.892E+00	8.836E+00	NOT IDENT.
TH-231	-3.403E-01	6.756E+00	1.221E+01	NOT IDENT.
TH-232	-5.769E-01	1.633E+00	2.896E+00	NOT IDENT.
PA-233	-3.664E-01	6.916E-01	1.227E+00	NOT IDENT.
PA-234	-1.059E+00	3.813E+00	6.738E+00	FAIL ABUN
PA-234M	-7.241E+00	2.567E+01	4.302E+01	NOT IDENT.
TH-234	-7.241E+00	2.567E+01	4.302E+01	NOT IDENT.
U-234	6.457E-02	8.044E-01	1.454E+00	FAIL ABUN
U-235	-8.189E-01	1.842E+00	3.132E+00	NOT IDENT.
NP-237	-3.664E-01	6.916E-01	1.227E+00	FAIL ABUN
NP-238	1.153E+03	1.301E+03	2.488E+03	NOT IDENT.
U-238	-7.241E+00	2.567E+01	4.302E+01	NOT IDENT.
NP-239	-4.292E-01	2.645E+00	4.617E+00	FAIL ABUN
PU-239	-3.117E+02	3.058E+03	5.323E+03	NOT IDENT.
CM-243	5.775E-01	1.115E+00	2.017E+00	FAIL ABUN
BK-247	2.117E-01	8.643E-01	1.597E+00	FAIL ABUN
CM-247	-1.733E-01	4.642E-01	8.112E-01	NOT IDENT.
CF-249	-4.424E-01	4.669E-01	7.972E-01	NOT IDENT.
CF-251	6.509E-01	1.216E+00	2.132E+00	NOT IDENT.
ANH-511	-2.125E-01	3.466E-01	6.007E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 07:36:27.89

Nuclide Line Activity Report

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
CO-60	1173.23	2170	99.85	1.255E+00	4.523E+01	4.556E+01	4.36
	1332.49	2004	99.98*	1.108E+00	4.724E+01	4.758E+01	4.58
SN-117M	156.02	------	2.11	5.696E+00	------ Line Not Found		------
	158.56	41	86.40*	5.675E+00	2.167E-01	6.100E-01	202.16
TE-123M	159.00	41	84.00*	5.675E+00	2.228E-01	2.508E-01	202.16
BA-137M	661.66	9475	89.90*	2.203E+00	1.250E+02	1.251E+02	2.13
CS-137	661.66	9475	85.10*	2.203E+00	1.320E+02	1.322E+02	2.13
BI-210	46.54	737	4.25*	9.943E-02	4.551E+03	4.559E+03	16.33
PB-210	46.54	737	4.25*	9.943E-02	4.551E+03	4.559E+03	16.33
AM-241	59.54	6375	35.90*	8.018E-01	5.783E+02	5.783E+02	3.48
AM-243	43.53	------	5.90	4.588E-02	------ Line Not Found		------
	74.66	36	67.20*	2.577E+00	5.500E-01	5.500E-01	203.56

Flag: "*" = Keyline

Sample ID : G1206172842 Acquisition date : 12-AUG-2025 07:21:01

Total number of lines in spectrum	23	
Number of unidentified lines	11	
Number of lines tentatively identified by NID	12	52.17%

Nuclide Type :

Nuclide	Hlife	Decay	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
CO-60	5.27Y	1.01	4.724E+01	4.758E+01	0.218E+01	4.58	
SN-117M	13.60D	2.82	2.167E-01	6.100E-01	12.33E-01	202.16	
TE-123M	119.20D	1.13	2.228E-01	2.508E-01	5.070E-01	202.16	
BA-137M	30.08Y	1.00	1.250E+02	1.251E+02	0.027E+02	2.13	
CS-137	30.08Y	1.00	1.320E+02	1.322E+02	0.028E+02	2.13	
BI-210	22.20Y	1.00	4.551E+03	4.559E+03	0.745E+03	16.33	
PB-210	22.20Y	1.00	4.551E+03	4.559E+03	0.745E+03	16.33	
AM-241	432.60Y	1.00	5.783E+02	5.783E+02	0.201E+02	3.48	
AM-243	7370.00Y	1.00	5.500E-01	5.500E-01	11.20E-01	203.56	
			---------	---------			
	Total Activity :		9.986E+03	1.000E+04			

Grand Total Activity : 9.986E+03 1.000E+04

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
0	79.14	80	365	1.57	158.52	156	6	8.31E-02	81.7	2.96E+00	T
0	98.73	28	462	1.26	197.72	195	7	2.93E-02	****	4.76E+00	T
0	124.33	44	435	0.78	248.93	246	7	4.63E-02	****	5.71E+00	T
0	416.85	4	215	1.44	834.17	830	6	4.06E-03	****	3.15E+00	
0	419.72	65	378	3.50	839.92	835	11	7.28E-02	****	3.13E+00	
0	461.20	45	322	1.83	922.90	920	8	5.00E-02	****	2.93E+00	
0	524.90	33	94	1.45	1050.37	1048	6	3.75E-02	97.5	2.66E+00	
0	627.79	18	138	0.60	1256.24	1250	12	2.03E-02	****	2.30E+00	
0	690.17	19	69	0.99	1381.06	1376	9	2.12E-02	****	2.12E+00	
0	750.50	41	95	3.41	1501.79	1494	14	4.65E-02	****	1.97E+00	
0	823.23	45	102	3.86	1647.34	1637	14	5.14E-02	99.7	1.80E+00	
0	1099.41	28	65	2.48	2200.04	2196	9	3.21E-02	****	1.34E+00	T
0	1144.33	37	77	5.75	2289.94	2280	19	4.30E-02	****	1.29E+00	
1	1177.20	41	23	2.26	2355.73	2337	23	4.78E-02	51.0	1.25E+00	T
0	1269.49	8	14	0.64	2540.44	2531	16	9.42E-03	****	1.16E+00	
0	1358.32	5	5	1.01	2718.24	2708	12	5.96E-03	****	1.09E+00	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 07:36:39.04

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1206172842.CNF;1   *
* Acquisition date : 12-AUG-2025 07:21:01 Sensitivity     : 3.000          *
* Detector ID      : GAM50                Energy tolerance: 1.500          *
* Elapsed live time:    0 00:15:00.00     Abundance limit : 75.000         *
* Elapsed real time:    0 00:15:02.88     Half life ratio : *****          *
* Sample date      : 23-JUL-2025 00:00:00 Nuclide Library : SOLID          *
* Sample ID        : G1206172842          Analyst initials: RXF2           *
* Batch Number     : 2831784              Sample Quantity : 1.1500E+02 GRAM   *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000     *
*                                         Dry Weight      :    0.00000     *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 25-JUL-2025 13:31:25 Eff. Geometry   : CAN           *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM50_CAN.CNF;8           *
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Combined Critical Level Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)
CO-60	1.892E-01
SN-117M	5.512E-01
TE-123M	2.078E-01
BA-137M	2.956E-01
CS-137	3.123E-01
BI-210	2.763E+02
PB-210	2.763E+02
AM-241	4.508E+00
AM-243	5.597E-01

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	4.304E+00	NOT IDENT.
NA-22	1.645E-01	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF
AL-26	1.972E-01	NOT IDENT.
K-40	1.157E+00	NOT IDENT.
SC-46	4.318E-01	NOT IDENT.
V-48	8.991E-01	NOT IDENT.
CR-51	3.911E+00	NOT IDENT.
MN-52	1.744E+00	NOT IDENT.
MN-54	2.935E-01	NOT IDENT.
CO-56	3.332E-01	NOT IDENT.
MN-56	0.000E+00	SHORT HLIF
CO-57	2.146E-01	NOT IDENT.
CO-58	3.209E-01	NOT IDENT.
FE-59	1.045E+00	FAIL ABUN
ZN-65	7.524E-01	NOT IDENT.
GE-68	1.209E+01	NOT IDENT.
AS-73	4.269E+01	NOT IDENT.
AS-74	9.508E-01	NOT IDENT.
SE-75	4.434E-01	NOT IDENT.
BR-77	3.330E+02	NOT IDENT.
SR-82	2.774E+00	NOT IDENT.

RB-83	7.492E-01	NOT IDENT.
RB-84	6.757E-01	NOT IDENT.
KR-85	6.382E+01	NOT IDENT.
SR-85	3.573E-01	NOT IDENT.
RB-86	8.936E+00	NOT IDENT.
Y-88	1.341E-01	NOT IDENT.
Y-91	9.742E+01	NOT IDENT.
NB-94	2.480E-01	NOT IDENT.
NB-95	3.349E-01	NOT IDENT.
NB-95M	1.086E+00	NOT IDENT.
ZR-95	5.142E-01	NOT IDENT.
NB-97	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	SHORT HLIF
MO-99	3.156E+02	NOT IDENT.
TC-99M	0.000E+00	SHORT HLIF
RH-101	2.579E-01	NOT IDENT.
RH-102	4.648E-01	NOT IDENT.
RU-103	4.648E-01	NOT IDENT.
RH-106	2.662E+00	NOT IDENT.
RU-106	2.662E+00	NOT IDENT.
AG-108M	3.418E-01	NOT IDENT.
CD-109	6.972E+00	NOT IDENT.
AG-110	7.771E+00	NOT IDENT.
AG-110M	4.831E-01	NOT IDENT.
SN-113	4.930E-01	NOT IDENT.
CD-115	5.132E+02	NOT IDENT.
SB-122	6.360E+01	NOT IDENT.
SB-124	3.414E-01	NOT IDENT.
SB-125	1.017E+00	NOT IDENT.
TE-125M	8.667E+01	NOT IDENT.
I-126	1.913E+00	NOT IDENT.
SB-126	1.366E+00	NOT IDENT.
SN-126	6.853E-01	NOT IDENT.
SB-127	2.332E+01	NOT IDENT.
I-131	1.735E+00	FAIL ABUN
I-132	0.000E+00	SHORT HLIF
TE-132	1.847E+01	NOT IDENT.
BA-133	4.096E-01	NOT IDENT.
I-133	0.000E+00	SHORT HLIF
CS-134	3.032E-01	NOT IDENT.
I-135	0.000E+00	SHORT HLIF
CS-136	1.347E+00	NOT IDENT.
LA-138	2.287E-01	NOT IDENT.
CE-139	2.445E-01	NOT IDENT.
BA-140	3.333E+00	NOT IDENT.
LA-140	4.540E-01	NOT IDENT.
CE-141	5.731E-01	NOT IDENT.
CE-143	0.000E+00	SHORT HLIF
CE-144	1.692E+00	FAIL ABUN
PM-144	2.219E-01	NOT IDENT.
PR-144	1.664E+01	NOT IDENT.
PM-146	5.329E-01	NOT IDENT.
ND-147	7.581E+00	NOT IDENT.
PM-147	6.147E+03	NOT IDENT.
PM-149	4.215E+03	NOT IDENT.
EU-150	2.521E-01	NOT IDENT.
EU-152	1.012E+00	NOT IDENT.
GD-153	7.519E-01	FAIL ABUN
EU-154	4.550E-01	FAIL ABUN
EU-155	8.655E-01	NOT IDENT.
TB-160	1.231E+00	FAIL ABUN
HO-166M	4.236E-01	FAIL ABUN
TM-171	9.520E+02	NOT IDENT.
HF-172	1.606E+00	FAIL ABUN
LU-172	5.969E-01	FAIL ABUN
LU-176	2.310E-01	NOT IDENT.
HF-181	5.467E-01	NOT IDENT.
TA-182	9.578E-01	FAIL ABUN
RE-183	1.039E+01	FAIL ABUN
RE-184	1.395E+00	NOT IDENT.
W-188	6.939E+01	NOT IDENT.
IR-192	3.655E-01	NOT IDENT.
HG-203	3.777E-01	NOT IDENT.
TL-204	5.663E+01	FAIL ABUN
BI-207	4.499E-01	FAIL ABUN
TL-208	2.728E-01	NOT IDENT.
BI-211	1.933E+00	NOT IDENT.
PB-211	7.458E+00	NOT IDENT.

BI-212	3.562E+00	NOT IDENT.
PB-212	4.723E-01	FAIL ABUN
BI-213	1.185E+00	NOT IDENT.
BI-214	5.691E-01	NOT IDENT.
PB-214	6.990E-01	FAIL ABUN
RN-219	4.271E+00	NOT IDENT.
RN-222	6.990E-01	FAIL ABUN
RA-223	5.868E+00	NOT IDENT.
RA-224	5.071E+00	NOT IDENT.
AC-225	7.258E+00	NOT IDENT.
RA-226	6.990E-01	FAIL ABUN
AC-227	2.312E+00	FAIL ABUN
TH-227	2.312E+00	FAIL ABUN
AC-228	1.364E+00	NOT IDENT.
RA-228	1.364E+00	NOT IDENT.
TH-228	4.723E-01	FAIL ABUN
TH-229	4.624E+00	NOT IDENT.
TH-230	6.989E-01	FAIL ABUN
PA-231	4.250E+00	NOT IDENT.
TH-231	5.868E+00	NOT IDENT.
TH-232	1.364E+00	NOT IDENT.
PA-233	5.897E-01	NOT IDENT.
PA-234	3.182E+00	FAIL ABUN
PA-234M	2.067E+01	NOT IDENT.
TH-234	2.067E+01	NOT IDENT.
U-234	6.989E-01	FAIL ABUN
U-235	1.510E+00	NOT IDENT.
NP-237	5.897E-01	FAIL ABUN
NP-238	1.173E+03	NOT IDENT.
U-238	2.067E+01	NOT IDENT.
NP-239	2.228E+00	FAIL ABUN
PU-239	2.564E+03	NOT IDENT.
CM-243	9.746E-01	FAIL ABUN
BK-247	7.710E-01	FAIL ABUN
CM-247	3.905E-01	NOT IDENT.
CF-249	3.825E-01	NOT IDENT.
CF-251	1.028E+00	NOT IDENT.
ANH-511	2.874E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-AUG-2025 07:36:42.79

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1206172842.CNF;1  *
* Acquisition date : 12-AUG-2025 07:21:01 Sensitivity     : 3.000       *
* Detector ID      : GAM50                Energy tolerance: 1.500       *
* Elapsed live time:    0 00:15:00.00     Abundance limit : 75.000      *
* Elapsed real time:    0 00:15:02.88     Half life ratio : *****       *
* Sample date      : 23-JUL-2025 00:00:00 Nuclide Library : SOLID       *
* Sample ID        : G1206172842          Analyst initials: RXF2        *
* Batch Number     : 2831784              Sample Quantity : 1.1500E+02 GRAM  *
*                                         Quantity Err(%) : 1.7391E-03 %     *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000       *
*                                         Dry Weight      :    0.00000       *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 25-JUL-2025 13:31:25 Eff. Geometry   : CAN         *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM50_CAN.CNF;8         *
*************************************************************************
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Combined Activity-MDA Report

NOTE: Not all "Identified Nuclides" are valid.
Please refer to Certificate of Analysis.

---- Identified Nuclides ----

Nuclide	Activity (pCi/GRAM)	Act Error (1.96-sigma)	TPU (1.96-sigma)
CO-60	4.758E+01	6.568E+00	6.568E+00
SN-117M	6.100E-01	1.210E+00	1.210E+00
TE-123M	2.508E-01	4.972E-01	4.972E-01
BA-137M	1.251E+02	1.067E+01	1.067E+01
CS-137	1.322E+02	1.127E+01	1.127E+01
BI-210	4.559E+03	1.033E+03	1.033E+03
PB-210	4.559E+03	1.033E+03	1.033E+03
AM-241	5.783E+02	8.507E+01	8.507E+01
AM-243	5.500E-01	1.098E+00	1.098E+00

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	3.795E+00	4.949E+00	5.236E+00	NOT IDENT.
NA-22	6.398E-02	2.060E-01	2.081E-01	NOT IDENT.
NA-24	-1.403E+08	1.107E+09	1.109E+09	SHORT HLIF
AL-26	1.386E-01	2.002E-01	2.097E-01	NOT IDENT.
K-40	-4.492E-01	1.435E+00	1.450E+00	NOT IDENT.
SC-46	1.679E-01	4.942E-01	4.999E-01	NOT IDENT.
V-48	1.741E-01	1.049E+00	1.052E+00	NOT IDENT.
CR-51	-3.920E-01	4.506E+00	4.510E+00	NOT IDENT.
MN-52	4.369E-01	1.999E+00	2.009E+00	NOT IDENT.
MN-54	-2.841E-01	3.644E-01	3.862E-01	NOT IDENT.
CO-56	-1.340E-01	3.988E-01	4.034E-01	NOT IDENT.
MN-56	-1.000E+41	2.976E+41	0.000E+00	SHORT HLIF
CO-57	3.024E-02	2.728E-01	2.731E-01	NOT IDENT.
CO-58	-8.644E-02	3.791E-01	3.811E-01	NOT IDENT.
FE-59	1.304E+00	1.407E+00	1.525E+00	FAIL ABUN
ZN-65	-5.069E-01	9.446E-01	9.718E-01	NOT IDENT.
GE-68	-1.119E+01	1.535E+01	1.615E+01	NOT IDENT.
AS-73	-4.667E+01	5.095E+01	5.512E+01	NOT IDENT.
AS-74	-1.711E-02	1.152E+00	1.152E+00	NOT IDENT.
SE-75	3.389E-01	4.900E-01	5.133E-01	NOT IDENT.
BR-77	-1.819E+02	4.361E+02	4.437E+02	NOT IDENT.

SR-82	-2.315E+00	3.401E+00	3.558E+00	NOT IDENT.
RB-83	9.219E-01	8.537E-01	9.495E-01	NOT IDENT.
RB-84	-5.167E-01	8.313E-01	8.633E-01	NOT IDENT.
KR-85	-1.325E+01	7.697E+01	7.721E+01	NOT IDENT.
SR-85	-7.336E-02	4.308E-01	4.321E-01	NOT IDENT.
RB-86	-1.100E+01	1.159E+01	1.261E+01	NOT IDENT.
Y-88	3.564E-02	1.449E-01	1.458E-01	NOT IDENT.
Y-91	-6.970E+01	1.293E+02	1.330E+02	NOT IDENT.
NB-94	1.420E-01	2.921E-01	2.990E-01	NOT IDENT.
NB-95	1.315E-01	3.766E-01	3.812E-01	NOT IDENT.
NB-95M	5.438E-01	1.324E+00	1.346E+00	NOT IDENT.
ZR-95	-2.638E-01	6.374E-01	6.484E-01	NOT IDENT.
NB-97	1.000E+41	4.033E+40	0.000E+00	SHORT HLIF
ZR-97	-2.160E+08	3.125E+09	3.127E+09	SHORT HLIF
MO-99	-2.580E+02	4.169E+02	4.328E+02	NOT IDENT.
TC-99M	1.267E+23	5.197E+23	0.000E+00	SHORT HLIF
RH-101	2.538E-01	3.207E-01	3.405E-01	NOT IDENT.
RH-102	-1.812E-01	6.542E-01	6.593E-01	NOT IDENT.
RU-103	3.589E-01	5.351E-01	5.590E-01	NOT IDENT.
RH-106	1.547E+00	3.475E+00	3.544E+00	NOT IDENT.
RU-106	1.547E+00	3.475E+00	3.544E+00	NOT IDENT.
AG-108M	-2.962E-01	4.157E-01	4.366E-01	NOT IDENT.
CD-109	1.450E+00	8.011E+00	8.038E+00	NOT IDENT.
AG-110	6.925E+00	1.009E+01	1.056E+01	NOT IDENT.
AG-110M	3.840E-01	5.388E-01	5.659E-01	NOT IDENT.
SN-113	5.400E-01	5.525E-01	6.038E-01	NOT IDENT.
CD-115	-4.190E+02	7.247E+02	7.489E+02	NOT IDENT.
SB-122	2.708E+01	7.472E+01	7.571E+01	NOT IDENT.
SB-124	8.027E-02	3.749E-01	3.766E-01	NOT IDENT.
SB-125	-8.389E-01	1.234E+00	1.290E+00	NOT IDENT.
TE-125M	-3.313E+01	1.032E+02	1.043E+02	NOT IDENT.
I-126	4.248E-01	2.575E+00	2.582E+00	NOT IDENT.
SB-126	-5.316E-01	1.737E+00	1.753E+00	NOT IDENT.
SN-126	1.994E-01	7.847E-01	7.898E-01	NOT IDENT.
SB-127	2.052E+01	2.949E+01	3.090E+01	NOT IDENT.
I-131	-2.061E+00	2.116E+00	2.311E+00	FAIL ABUN
I-132	1.000E+41	1.930E+41	0.000E+00	SHORT HLIF
TE-132	-1.872E+01	2.395E+01	2.539E+01	NOT IDENT.
BA-133	2.753E-02	4.729E-01	4.730E-01	NOT IDENT.
I-133	5.115E+06	4.184E+06	4.777E+06	SHORT HLIF
CS-134	-8.249E-02	3.577E-01	3.596E-01	NOT IDENT.
I-135	-9.278E+21	1.693E+22	0.000E+00	SHORT HLIF
CS-136	1.199E-01	1.591E+00	1.591E+00	NOT IDENT.
LA-138	1.261E-01	2.416E-01	2.482E-01	NOT IDENT.
CE-139	8.793E-02	2.918E-01	2.944E-01	NOT IDENT.
BA-140	1.272E+00	3.917E+00	3.959E+00	NOT IDENT.
LA-140	-1.074E-01	5.623E-01	5.644E-01	NOT IDENT.
CE-141	7.492E-01	6.552E-01	7.372E-01	NOT IDENT.
CE-143	1.222E+03	1.735E+04	1.736E+04	SHORT HLIF
CE-144	1.231E+00	1.962E+00	2.039E+00	FAIL ABUN
PM-144	-2.638E-02	2.754E-01	2.757E-01	NOT IDENT.
PR-144	-2.096E+00	2.066E+01	2.068E+01	NOT IDENT.
PM-146	1.817E-02	6.286E-01	6.287E-01	NOT IDENT.
ND-147	2.911E+00	8.903E+00	8.999E+00	NOT IDENT.
PM-147	-3.565E+03	8.064E+03	8.223E+03	NOT IDENT.
PM-149	-1.635E+03	4.872E+03	4.927E+03	NOT IDENT.
EU-150	9.486E-02	2.862E-01	2.894E-01	NOT IDENT.
EU-152	7.555E-01	1.140E+00	1.189E+00	NOT IDENT.
GD-153	5.587E-01	1.453E+00	1.474E+00	FAIL ABUN
EU-154	1.548E-01	5.766E-01	5.808E-01	FAIL ABUN
EU-155	-3.457E-01	1.030E+00	1.042E+00	NOT IDENT.
TB-160	-2.717E-01	1.460E+00	1.465E+00	FAIL ABUN
HO-166M	-1.207E-01	5.335E-01	5.362E-01	FAIL ABUN
TM-171	3.830E+02	1.063E+03	1.076E+03	NOT IDENT.
HF-172	1.803E+00	2.931E+00	3.041E+00	FAIL ABUN
LU-172	1.305E-01	7.247E-01	7.271E-01	FAIL ABUN
LU-176	-1.454E-01	2.713E-01	2.791E-01	NOT IDENT.
HF-181	4.636E-01	6.278E-01	6.616E-01	NOT IDENT.
TA-182	1.026E+00	9.867E-01	1.090E+00	FAIL ABUN
RE-183	7.735E+01	1.647E+01	3.856E+01	FAIL ABUN
RE-184	-3.217E-01	1.656E+00	1.662E+00	NOT IDENT.
W-188	-3.272E+01	8.056E+01	8.189E+01	NOT IDENT.
IR-192	9.348E-02	4.152E-01	4.174E-01	NOT IDENT.
HG-203	1.658E-01	4.227E-01	4.292E-01	NOT IDENT.
TL-204	-5.841E+01	6.775E+01	7.269E+01	FAIL ABUN
BI-207	-4.665E-01	5.778E-01	6.149E-01	FAIL ABUN
TL-208	-1.871E-01	3.431E-01	3.533E-01	NOT IDENT.
BI-211	4.130E-01	2.214E+00	2.221E+00	NOT IDENT.

PB-211	-2.304E+00	8.828E+00	8.889E+00	NOT IDENT.
BI-212	-2.353E+00	4.619E+00	4.739E+00	NOT IDENT.
PB-212	-3.589E-01	6.054E-01	6.267E-01	FAIL ABUN
BI-213	-1.582E+00	1.471E+00	1.634E+00	NOT IDENT.
BI-214	2.515E-01	6.689E-01	6.784E-01	NOT IDENT.
PB-214	6.458E-02	8.044E-01	8.050E-01	FAIL ABUN
RN-219	7.805E-01	4.957E+00	4.970E+00	NOT IDENT.
RN-222	6.458E-02	8.044E-01	8.050E-01	FAIL ABUN
RA-223	-3.403E-01	6.756E+00	6.758E+00	NOT IDENT.
RA-224	1.912E+00	6.207E+00	6.266E+00	NOT IDENT.
AC-225	-4.289E-01	8.981E+00	8.983E+00	NOT IDENT.
RA-226	6.458E-02	8.044E-01	8.050E-01	FAIL ABUN
AC-227	7.491E-01	2.583E+00	2.605E+00	FAIL ABUN
TH-227	7.491E-01	2.583E+00	2.605E+00	FAIL ABUN
AC-228	-5.769E-01	1.635E+00	1.656E+00	NOT IDENT.
RA-228	-5.769E-01	1.635E+00	1.656E+00	NOT IDENT.
TH-228	-3.589E-01	6.054E-01	6.267E-01	FAIL ABUN
TH-229	1.747E+00	5.575E+00	5.630E+00	NOT IDENT.
TH-230	6.457E-02	8.044E-01	8.050E-01	FAIL ABUN
PA-231	-8.402E-01	4.896E+00	4.910E+00	NOT IDENT.
TH-231	-3.403E-01	6.756E+00	6.758E+00	NOT IDENT.
TH-232	-5.769E-01	1.635E+00	1.656E+00	NOT IDENT.
PA-233	-3.664E-01	6.927E-01	7.121E-01	NOT IDENT.
PA-234	-1.059E+00	4.003E+00	4.031E+00	FAIL ABUN
PA-234M	-7.241E+00	2.573E+01	2.593E+01	NOT IDENT.
TH-234	-7.241E+00	2.573E+01	2.593E+01	NOT IDENT.
U-234	6.457E-02	8.044E-01	8.049E-01	FAIL ABUN
U-235	-8.189E-01	1.843E+00	1.880E+00	NOT IDENT.
NP-237	-3.664E-01	6.927E-01	7.121E-01	FAIL ABUN
NP-238	1.153E+03	1.309E+03	1.408E+03	NOT IDENT.
U-238	-7.241E+00	2.573E+01	2.593E+01	NOT IDENT.
NP-239	-4.292E-01	2.646E+00	2.653E+00	FAIL ABUN
PU-239	-3.117E+02	3.058E+03	3.062E+03	NOT IDENT.
CM-243	5.775E-01	1.117E+00	1.147E+00	FAIL ABUN
BK-247	2.117E-01	8.656E-01	8.708E-01	FAIL ABUN
CM-247	-1.733E-01	4.653E-01	4.718E-01	NOT IDENT.
CF-249	-4.424E-01	4.694E-01	5.100E-01	NOT IDENT.
CF-251	6.509E-01	1.219E+00	1.254E+00	NOT IDENT.
ANH-511	-2.125E-01	3.471E-01	3.600E-01	NOT IDENT.

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

GAMMA SPECTROSCOPY BACKGROUND REPORT

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
43.53	381.1794	85.43	255.1163	133.02	242.6215
45.60	345.9142	86.55	248.0196	133.52	250.3210
46.54	347.1120	86.79	258.8646	136.00	277.1839
49.72	382.8852	86.94	258.9579	136.47	249.4524
51.35	422.6147	87.09	259.0513	140.51	227.3515
51.87	421.5996	87.57	235.9459	143.76	257.9747
52.39	455.0335	88.03	238.1547	144.24	257.0915
52.97	459.4626	88.34	244.1883	145.44	229.2165
53.44	525.7971	88.47	244.2627	152.43	249.4738
54.07	549.9982	89.96	268.6443	153.25	242.0609
57.36	0.0000	90.64	242.5527	154.21	242.0562
57.53	431.2903	91.11	244.7826	156.02	256.0613
57.98	431.9000	92.59	240.6790	158.56	240.7258
59.27	433.6432	93.35	234.1775	159.00	202.2264
59.32	433.7109	94.56	243.7328	162.33	243.2310
59.54	434.0057	94.65	250.7185	162.66	232.1391
60.96	219.1613	94.67	250.7300	163.33	203.1859
61.17	219.3003	94.87	250.8420	165.86	241.1418
62.93	192.4492	97.43	202.0791	176.31	267.7096
63.29	212.1638	98.43	261.8101	176.60	242.6406
63.58	215.0920	98.44	261.8161	177.52	221.1831
64.28	228.3762	99.53	262.4358	181.07	254.5331
66.73	217.0691	100.11	263.4322	181.52	275.4357
67.24	241.4358	102.03	265.8571	184.41	259.1812
67.68	238.9598	103.18	249.3405	185.72	306.0114
67.75	232.5224	103.37	249.4404	193.51	279.9505
68.89	210.9646	105.31	239.2986	197.03	280.0720
69.67	217.0118	106.12	248.8412	198.01	261.5790
70.82	234.5178	106.47	245.9714	201.83	274.7106
70.83	234.5255	109.28	260.6711	203.43	257.4756
72.81	204.1629	111.00	239.0067	205.31	268.7957
72.87	204.1960	111.76	262.9961	210.85	273.0635
74.66	217.7599	114.06	251.8074	215.65	262.6305
74.82	217.8515	116.30	254.9788	218.12	256.1688
74.97	217.9377	116.74	259.3441	222.11	286.5375
77.11	233.0940	119.76	261.8847	227.09	269.9103
78.74	240.4317	121.12	251.0486	227.38	266.3362
79.69	235.9115	121.22	270.6259	228.16	270.2475
80.03	236.1110	121.78	249.9634	228.18	270.2542
80.12	236.1674	122.06	250.0927	235.69	244.2340
80.19	240.0393	122.92	258.8897	235.96	231.9707
80.57	240.2688	123.07	258.9612	238.63	259.9013
81.00	249.4827	123.68	257.5012	238.98	251.3370
81.07	249.5264	125.81	243.3860	240.99	222.1221
81.75	243.5399	127.23	221.4440	242.00	236.0388
82.47	258.0997	127.91	252.7858	244.70	237.9952
83.79	239.6124	129.30	231.4720	252.40	274.7714
84.00	239.7335	131.20	266.3498	252.80	274.8915

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
254.15	0.0000	351.93	201.5475	569.50	98.1693
256.23	232.1619	355.39	0.0000	569.70	97.1133
260.90	245.1477	356.01	207.7698	583.19	100.0007
264.66	232.5365	364.49	228.7432	584.27	118.3521
264.80	246.9995	366.42	192.7822	595.83	100.6970
265.00	248.7507	372.51	223.6686	600.60	93.3591
269.46	227.7257	375.05	213.8057	602.52	0.0000
270.03	238.0968	377.52	229.2563	604.72	97.9175
271.23	205.9228	383.85	225.6720	607.14	99.1351
273.65	214.1418	388.16	222.6361	609.32	88.3433
276.40	204.4296	388.63	239.7766	610.33	93.8455
277.37	233.8607	391.69	191.8943	614.28	94.0450
277.60	233.9160	400.66	215.1993	618.01	92.0391
278.00	236.5911	401.81	214.4297	620.36	88.8607
279.20	218.7825	402.40	234.6371	621.93	80.7017
279.54	244.7096	404.85	229.3091	630.19	0.0000
279.70	244.7501	410.95	244.8016	631.29	102.6118
280.46	250.9721	413.71	231.7773	633.25	103.3767
283.69	228.4165	414.70	256.5927	634.78	92.8491
284.31	238.0793	423.72	269.9460	635.95	101.7518
285.41	233.1366	427.09	254.5058	636.99	87.4220
285.90	234.9803	427.87	256.6005	657.50	119.0888
287.50	224.0598	433.94	270.4465	657.76	104.0044
290.67	239.5620	439.40	284.2668	657.90	0.0000
293.27	0.0000	440.45	278.5724	661.66	91.8830
295.22	259.8569	453.88	276.1844	664.57	0.0000
295.96	232.0260	463.37	289.4588	666.33	53.9102
298.58	243.1358	468.07	291.8644	666.50	53.9141
299.98	229.3945	473.00	258.6052	667.71	0.0000
300.09	229.4211	475.06	256.9403	677.62	45.1758
300.13	229.4317	476.78	253.1958	685.70	44.2194
301.36	218.2563	477.60	226.0781	692.65	58.0204
302.85	211.5088	482.18	185.2488	695.00	49.2012
304.50	185.3564	487.02	189.8876	696.49	55.8468
304.85	194.2456	492.35	183.4021	696.51	55.8468
306.78	206.9780	497.08	155.3398	697.00	53.5807
308.46	190.4696	505.52	166.4363	697.30	53.5883
311.90	222.1781	507.63	0.0000	697.49	53.5922
316.51	229.3612	511.00	169.0633	702.65	60.5825
319.41	213.8562	514.00	154.9194	706.68	66.4253
320.08	208.6107	514.00	154.9194	711.68	65.4331
321.04	217.7518	520.40	121.3085	720.70	69.1675
323.87	205.7236	520.69	130.6655	721.93	0.0000
325.23	215.8691	522.65	0.0000	722.78	61.1583
328.76	210.2271	527.90	142.1708	722.91	61.1605
333.37	202.9225	528.26	143.7612	723.31	45.0144
333.97	195.7764	529.59	109.4733	724.19	68.1251
334.37	194.9356	529.87	0.0000	727.33	74.0052
338.28	205.6034	531.02	130.4372	733.00	74.2005
338.32	205.6125	537.26	122.5415	735.93	59.2074
340.48	226.0417	546.56	0.0000	737.46	44.1462
340.55	226.0568	552.55	124.7028	739.50	69.7681
344.28	219.4629	563.25	93.5716	744.23	55.9355
345.93	245.4050	564.24	98.9412	747.24	58.8102
351.06	199.5612	569.33	98.1618	748.06	50.4281

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
752.31	57.5421	966.17	81.2595	1460.82	4.4395
753.82	51.9626	968.97	80.3829	1489.16	6.7072
756.73	60.2679	983.53	80.8059	1505.03	4.4890
756.80	60.2699	984.45	69.2842	1584.12	8.2367
763.94	61.7200	996.26	59.9130	1596.21	6.4244
765.81	64.4186	1002.74	74.5773	1620.50	5.5380
766.84	60.9162	1004.73	74.6313	1621.92	4.6167
772.60	0.0000	1021.30	0.0000	1678.03	0.0000
776.52	70.9277	1025.87	65.4174	1690.97	2.8138
777.92	62.9874	1028.54	71.3425	1750.46	0.0000
778.90	71.0010	1037.84	76.4718	1764.49	3.8129
783.70	79.1543	1038.76	0.0000	1770.23	0.9544
788.74	70.4148	1046.59	65.8836	1771.35	0.9546
792.07	60.6953	1048.07	71.8193	1791.20	0.0000
795.86	65.2651	1049.04	80.6987	1808.65	3.8488
801.95	62.7454	1050.41	76.8003	1810.72	0.0000
1093.63	71.9556	1063.66	77.1431	1836.06	1.9355
810.29	71.9629	1077.00	90.4001		
810.45	71.9678	1077.34	87.4253		
810.76	66.5792	1085.87	64.7580		
815.77	67.8012	1093.63	62.7842		
818.51	83.7658	1099.45	72.0527		
832.01	67.1709	1112.07	73.3520		
834.85	85.4227	1112.84	73.3698		
836.80	0.0000	1115.54	73.4322		
846.75	0.0000	1120.29	64.4766		
846.77	71.2302	1120.55	64.4844		
856.80	75.1859	1121.30	56.4375		
860.56	86.3177	1129.67	48.5039		
871.09	85.7599	1131.51	0.0000		
873.19	68.2955	1147.95	0.0000		
875.33	0.0000	1173.23	39.9474		
879.38	75.8640	1177.95	31.1849		
880.51	79.5988	1189.05	17.4980		
881.60	85.1887	1204.77	22.7520		
883.24	77.8323	1221.41	9.3538		
884.68	66.7507	1231.02	13.5499		
889.28	91.0167	1235.36	15.6546		
894.76	102.3798	1238.28	19.8454		
898.04	88.5320	1260.41	0.0000		
900.72	94.2221	1271.87	11.8132		
903.28	98.0498	1274.44	6.7555		
911.20	96.4745	1274.54	6.7555		
912.08	94.6320	1291.59	13.7887		
923.98	102.5900	1298.22	0.0000		
926.50	114.9335	1312.11	7.4678		
929.11	96.1853	1332.49	11.8016		
935.54	99.2546	1362.66	0.0000		
937.49	96.4872	1365.19	4.3298		
944.13	90.0888	1368.63	0.0000		
946.00	104.3839	1384.29	9.7921		
949.00	95.0012	1408.01	3.2845		
954.55	0.0000	1434.09	4.4092		
962.31	92.6011	1435.80	3.3083		
964.08	100.3024	1457.56	0.0000		

Continuing Calibration Data

Review of Gamma Spectrometer QA results (Daily calibration & background checks)
12-AUG-2025 09:06:38

Run Date	Detector	Parameter	Flag	Status	Comments
12-AUG-25	GAM01	All Parameters Passed			
12-AUG-25	GAM02	Cal Check NLACTVTY-59	Investigate		
12-AUG-25	GAM04	Cal Check NLACTVTY-1332	Investigate		
12-AUG-25	GAM05	All Parameters Passed			
12-AUG-25	GAM06	All Parameters Passed			
12-AUG-25	GAM07	All Parameters Passed			
12-AUG-25	GAM16	Cal Check PSFWHM-59	Action	Lockout	Detector locked out.
12-AUG-25	GAM16	Cal Check PSFWHM-662	Action	Lockout	Detector locked out.
12-AUG-25	GAM16	Bkg Check BACKRATE	Investigate		
	GAM18	Cal Check may not have run since 12-AUG-2025			Detector locked out.
12-AUG-25	GAM19	All Parameters Passed			
12-AUG-25	GAM20	Cal Check PSFWHM-662	Investigate		
12-AUG-25	GAM20	Cal Check NLACTVTY-1332	Investigate		
12-AUG-25	GAM21	Cal Check PSFWHM-59	Action	Approved	Low FWHM, approved for use.
12-AUG-25	GAM21	Cal Check PSFWHM-662	Action	Approved	Low FWHM, approved for use.
12-AUG-25	GAM23	All Parameters Passed			
12-AUG-25	GAM24	Cal Check PSFWHM-1332	Action	Approved	Low FWHM, approved for use.
12-AUG-25	GAM24	Cal Check NLACTVTY-1332	Investigate		
12-AUG-25	GAM27	All Parameters Passed			
12-AUG-25	GAM28	Cal Check NLACTVTY-1332	Investigate		
12-AUG-25	GAM29	Cal Check PSFWHM-59	Investigate		
12-AUG-25	GAM29	Cal Check NLACTVTY-662	Investigate		
12-AUG-25	GAM31	Cal Check NLACTVTY-662	Action	Lockout	Detector locked out.
12-AUG-25	GAM32	All Parameters Passed			
12-AUG-25	GAM33	All Parameters Passed			
12-AUG-25	GAM40	Cal Check NLACTVTY-662	Investigate		

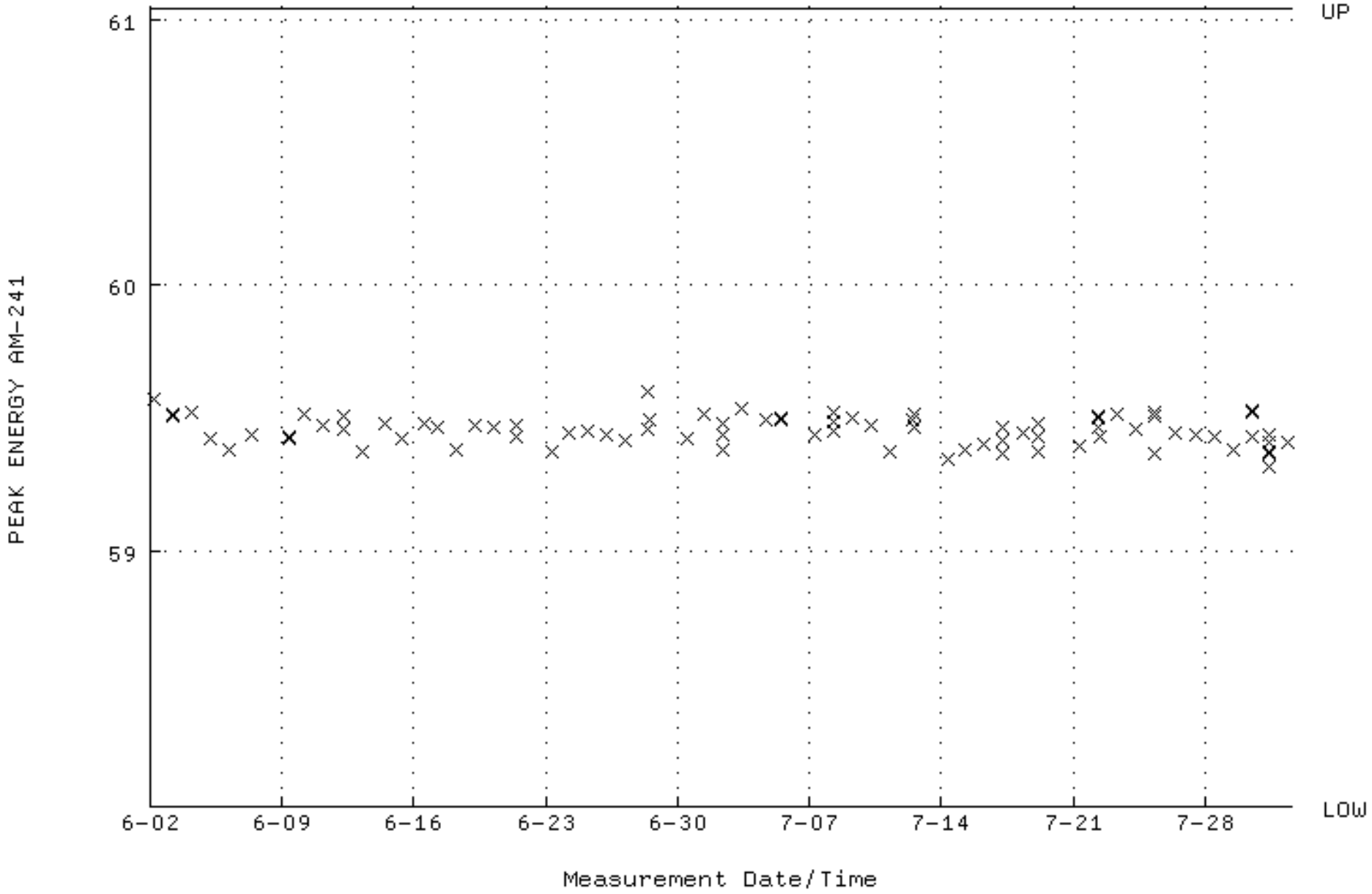
12-AUG-25	GAM41	Cal Check NLACTVTY-662	Investigate		
12-AUG-25	GAM43	All Parameters Passed			
12-AUG-25	GAM46	Cal Check NLACTVTY-1332	Investigate		
12-AUG-25	GAM47	Cal Check PSFWHM-1332	Action	Approved	Low FWHM, approved for use.
12-AUG-25	GAM48	All Parameters Passed			
12-AUG-25	GAM50	All Parameters Passed			
12-AUG-25	GAM52	Cal Check NLACTVTY-662	Investigate		
12-AUG-25	GAM52	Bkg Check BACKRATE	Investigate		
11-AUG-25	GAM53	Cal Check may not have run since 12-AUG-2025			Not run.
10-AUG-25	GAM53	Bkg Check may not have run since 12-AUG-2025			Not run.
	GAM54	Cal Check may not have run since 12-AUG-2025			Not run.
	GAM54	Bkg Check may not have run since 12-AUG-2025			Not run.
12-AUG-25	GAM61	Cal Check NLACTVTY-59	Investigate		
12-AUG-25	GAM61	Bkg Check BACKRATE	Investigate		
	GAM63	Cal Check may not have run since 12-AUG-2025			Detector locked out.
	GAM63	Bkg Check may not have run since 12-AUG-2025			Detector locked out.
	GAM64	Cal Check may not have run since 12-AUG-2025			Detector locked out.
	GAM64	Bkg Check may not have run since 12-AUG-2025			Detector locked out.
12-AUG-25	XRAY1	All Parameters Passed			
12-AUG-25	XRAY3	All Parameters Passed			
12-AUG-25	XRAY6	All Parameters Passed			
12-AUG-25	XRAY7	All Parameters Passed			
12-AUG-25	XRAY8	All Parameters Passed			

APPROVAL DATE:	12-AUG-2025	APPROVAL TIME:	09:13:35
APPROVED BY:	Rebekah Futch	PROCEDURE #	GL-RAD-I-001

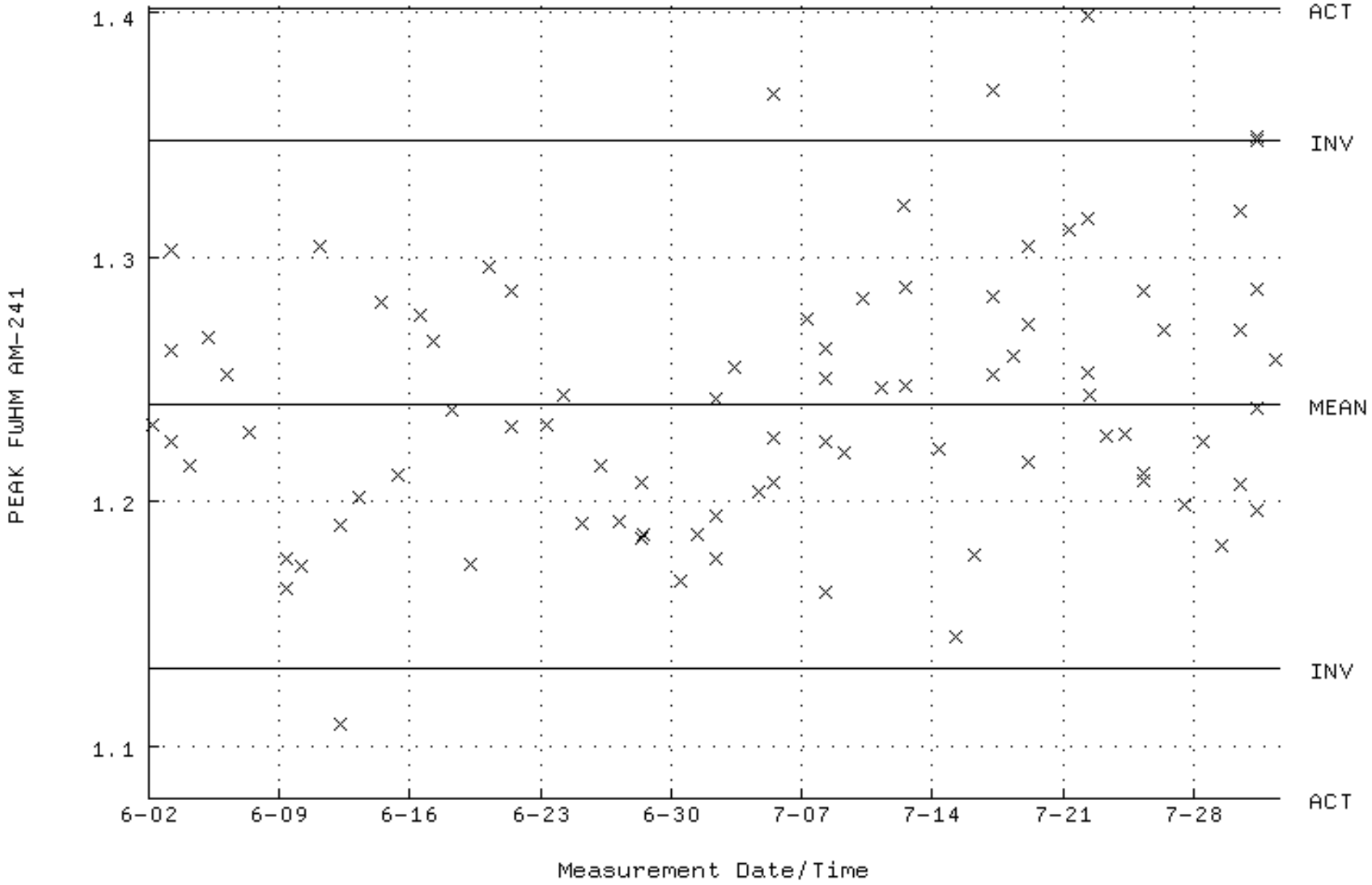
The Investigate flag does not indicate a lockout and is approved for use. Action flags that have not been approved are locked out of service.

Background and Efficiency Data

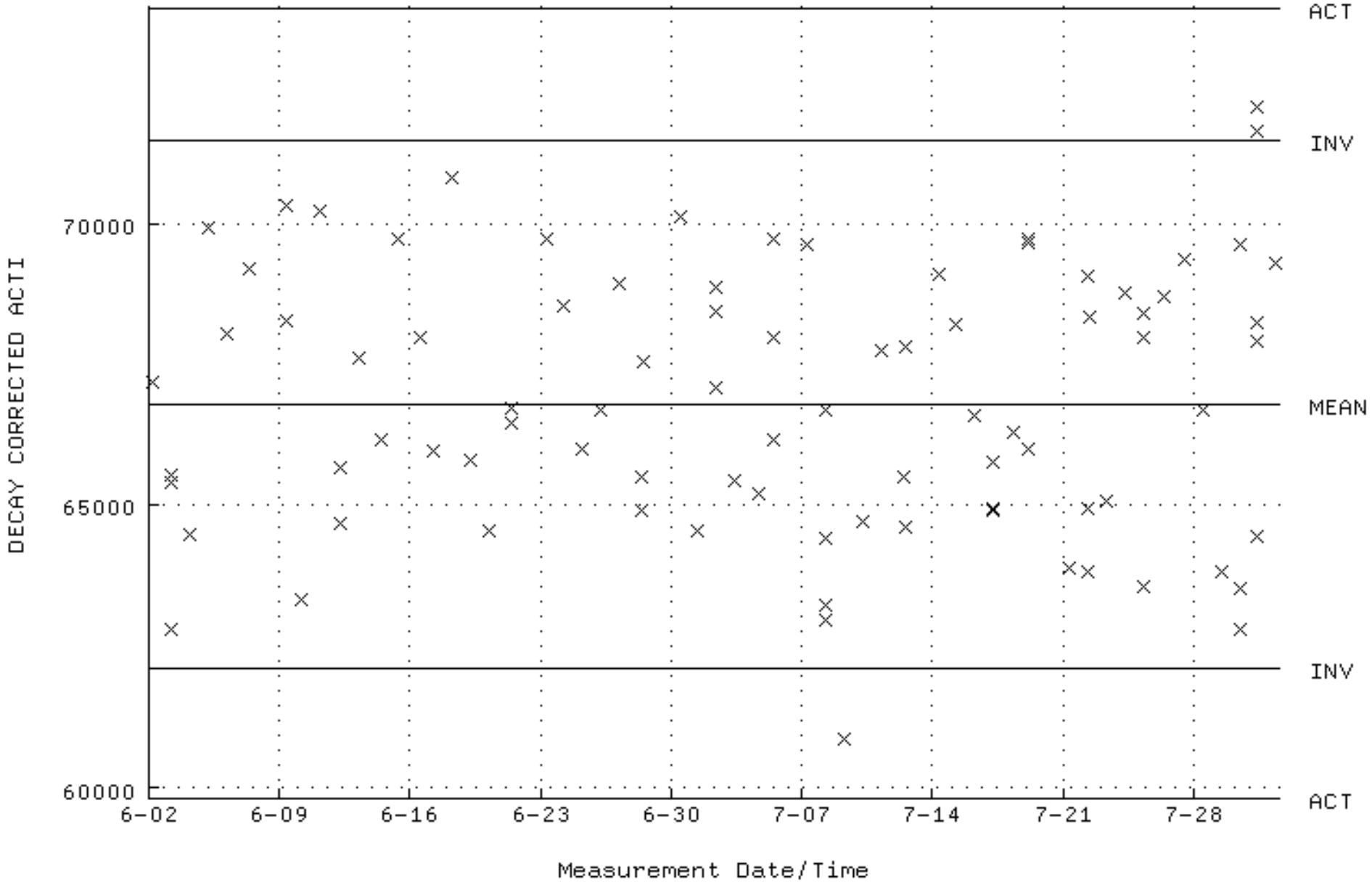
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM01_JAR.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-JUN-2025 05:53:52 through 1-AUG-2025 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400



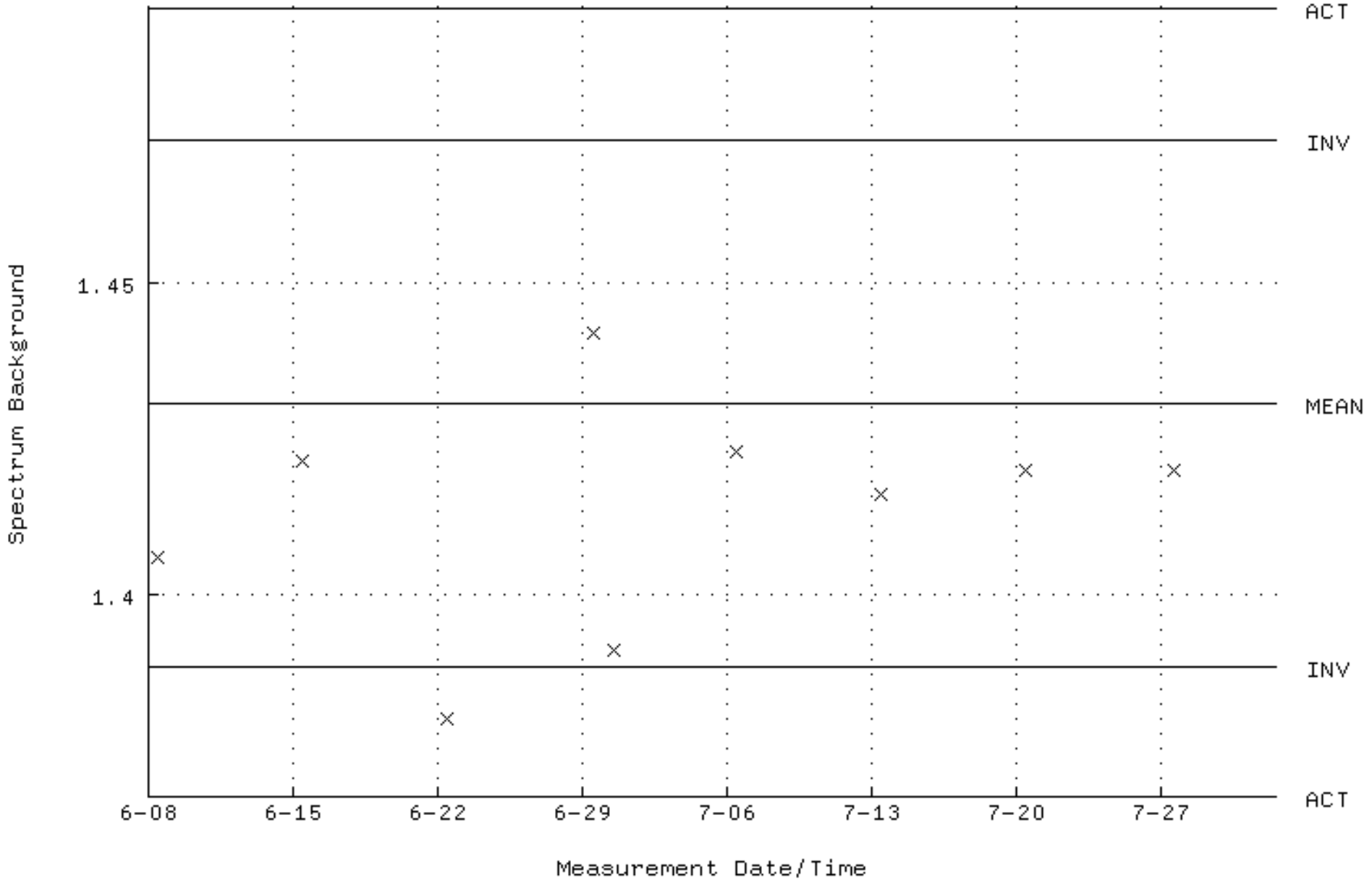
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM01_JAR.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-JUN-2025 05:53:52 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 1.24009 +- 5.391203E-02 (4.35 %)



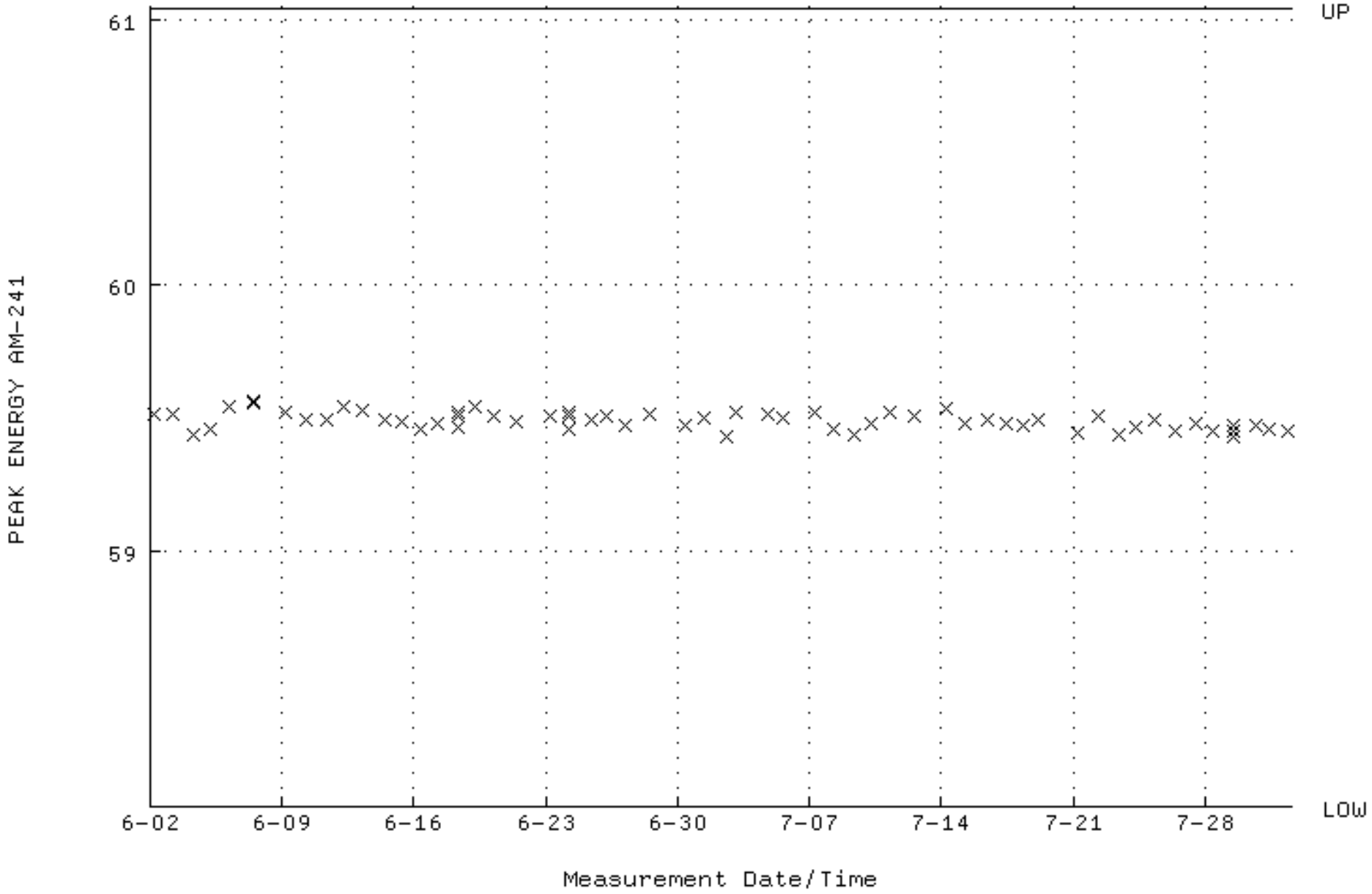
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM01_JAR.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-JUN-2025 05:53:52 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 66803.9 +- 2339.09 (3.50 %)



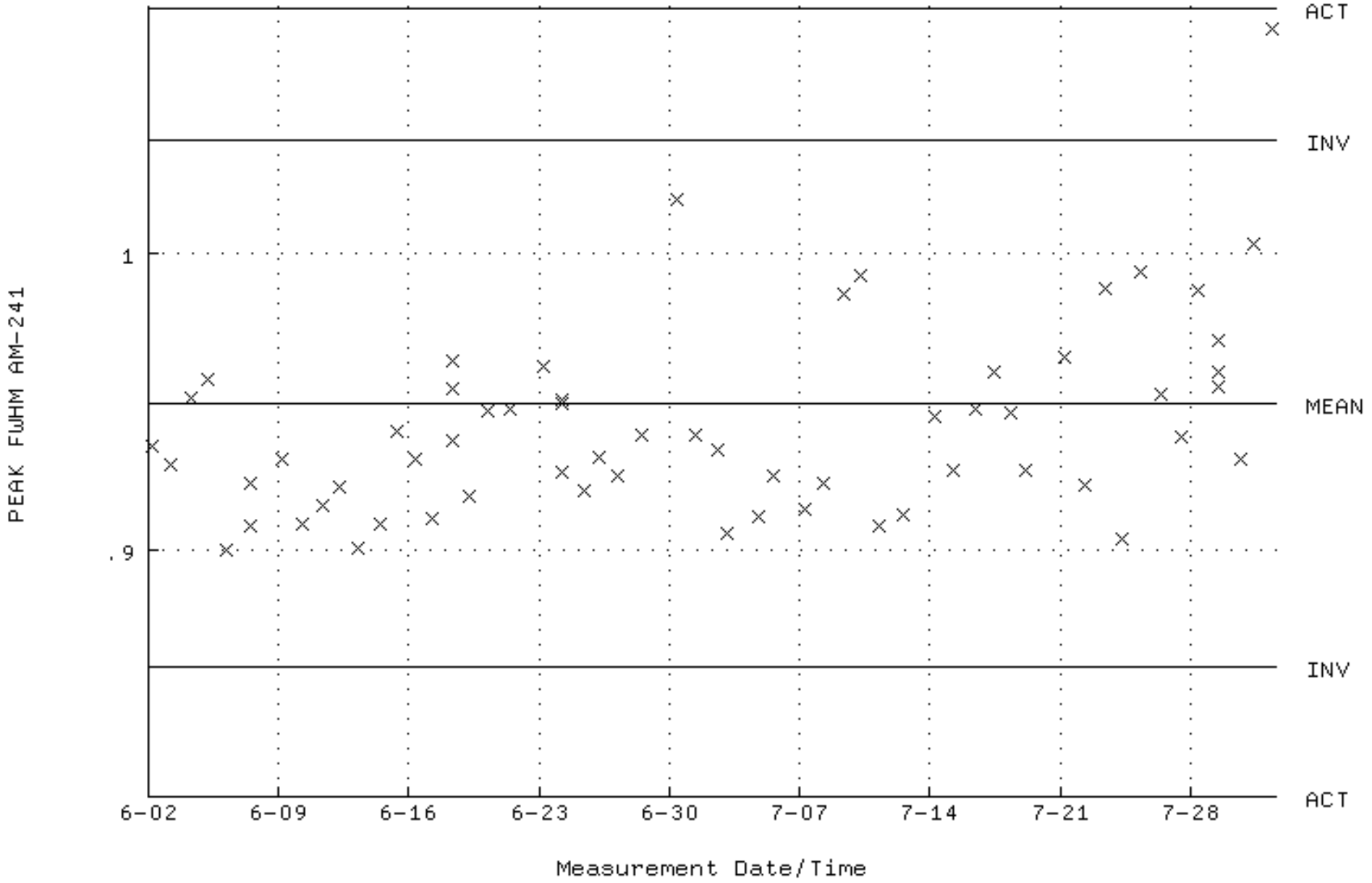
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM01.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 8-JUN-2025 10:44:09 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 1.43087 +- 2.109282E-02 (1.47 %)



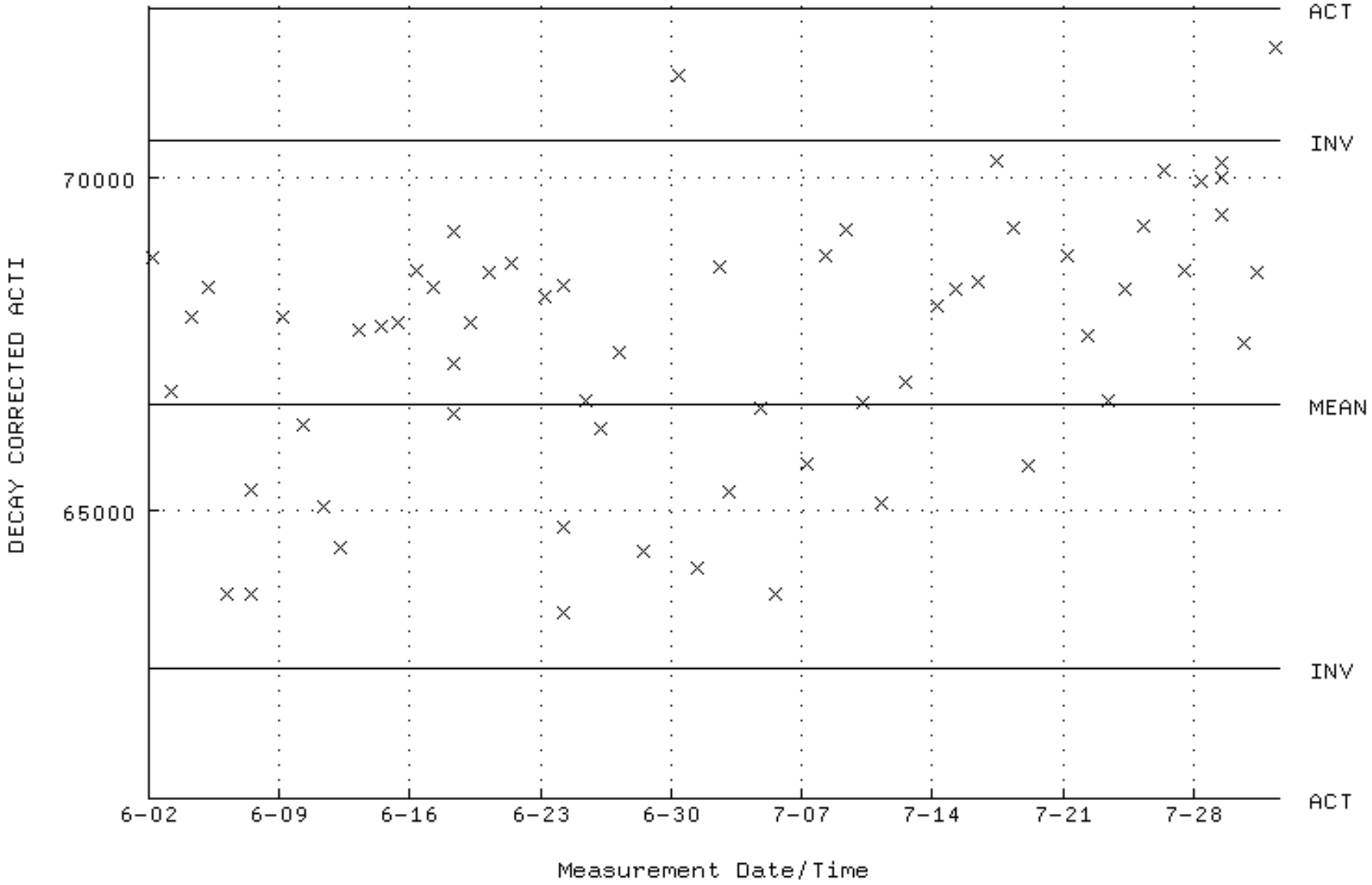
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM02_JAR.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-JUN-2025 04:37:37 through 1-AUG-2025 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400



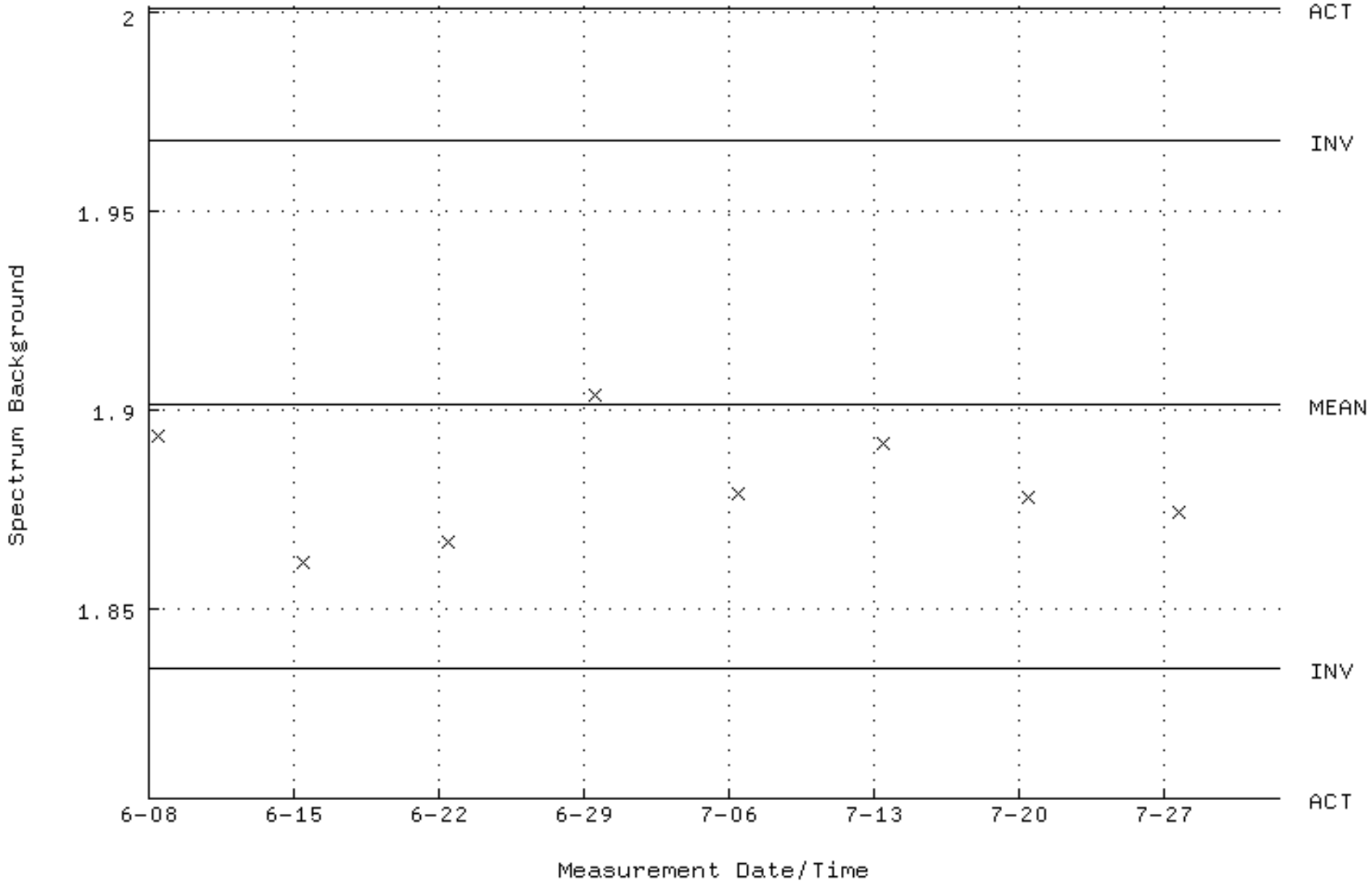
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM02_JAR.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-JUN-2025 04:37:37 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 0.949607 +- 4.415848E-02 (4.65 %)



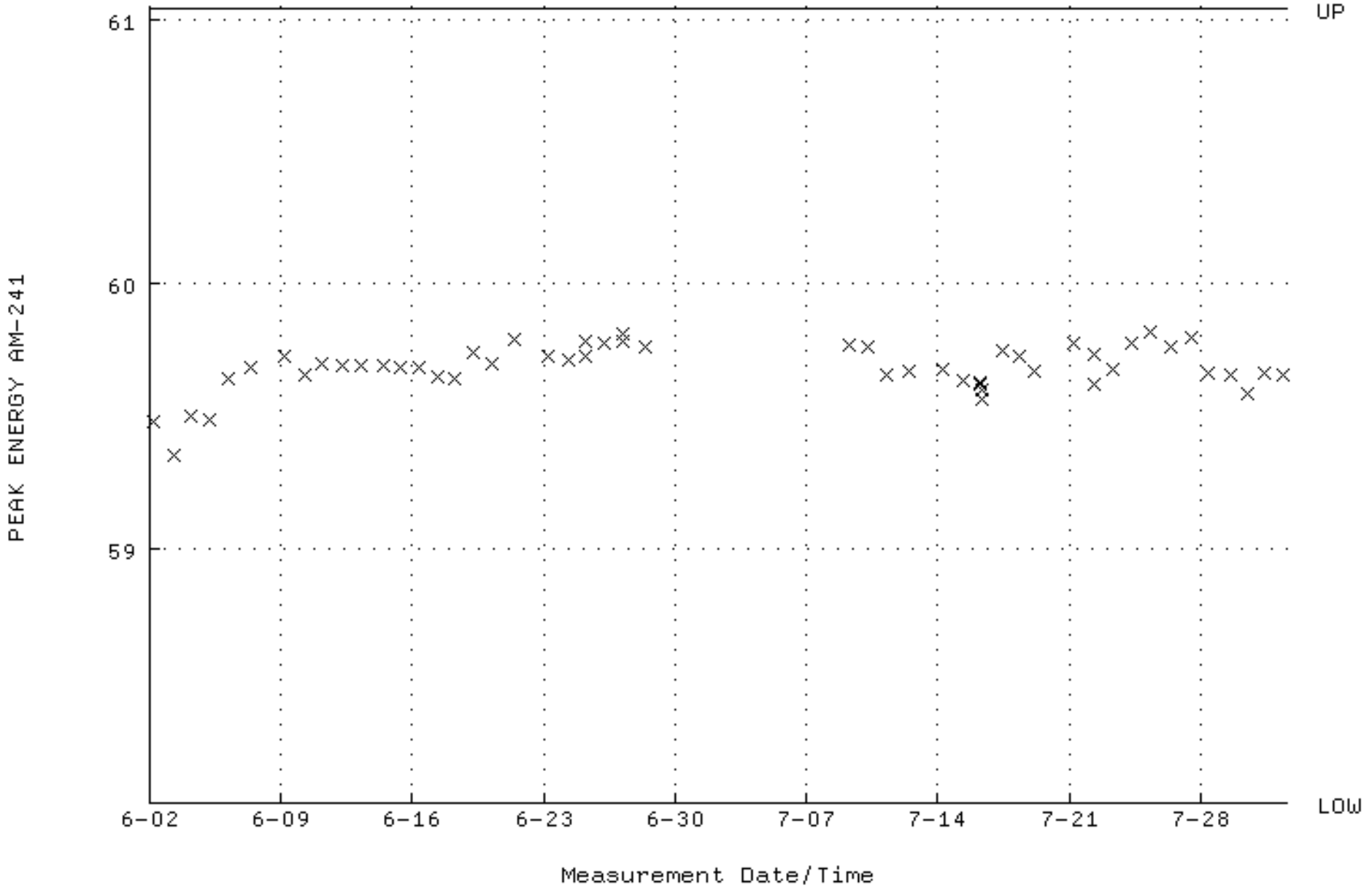
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM02_JAR.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-JUN-2025 04:37:37 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 66606.7 +- 1985.97 (2.98 %)



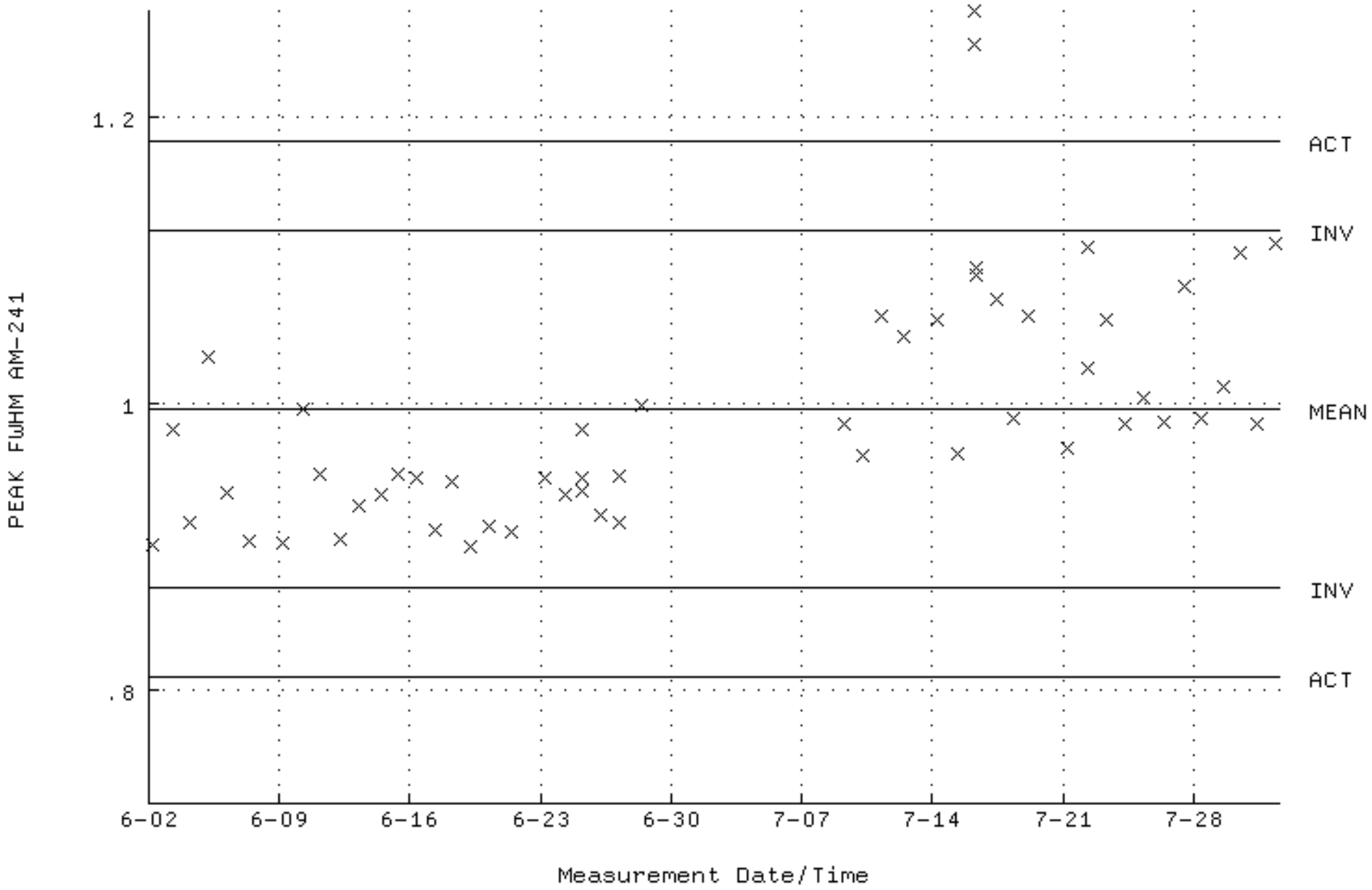
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM02.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 8-JUN-2025 10:44:14 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 1.90144 +- 3.309586E-02 (1.74 %)



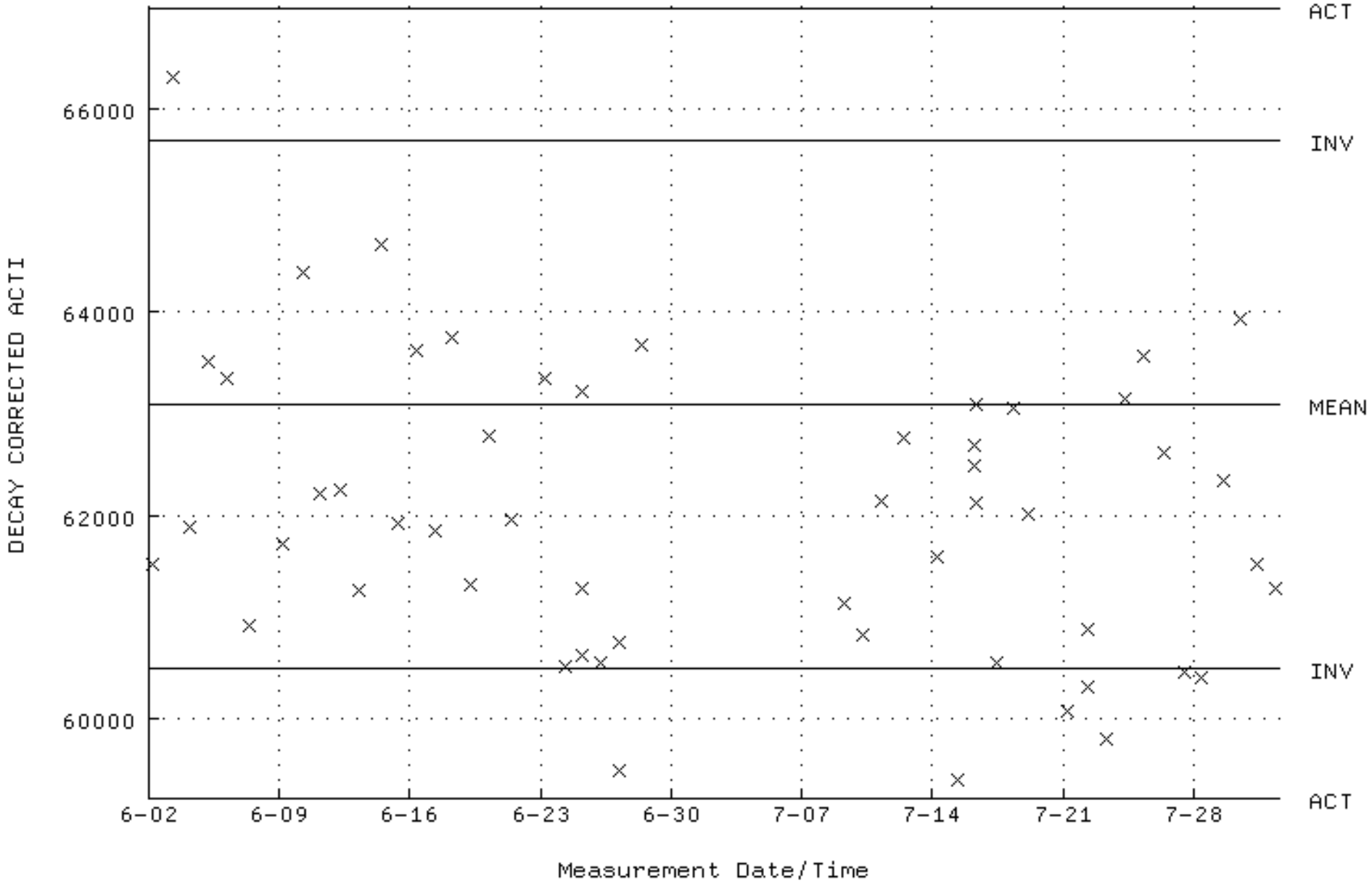
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM06_CAN.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-JUN-2025 04:37:47 through 1-AUG-2025 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400



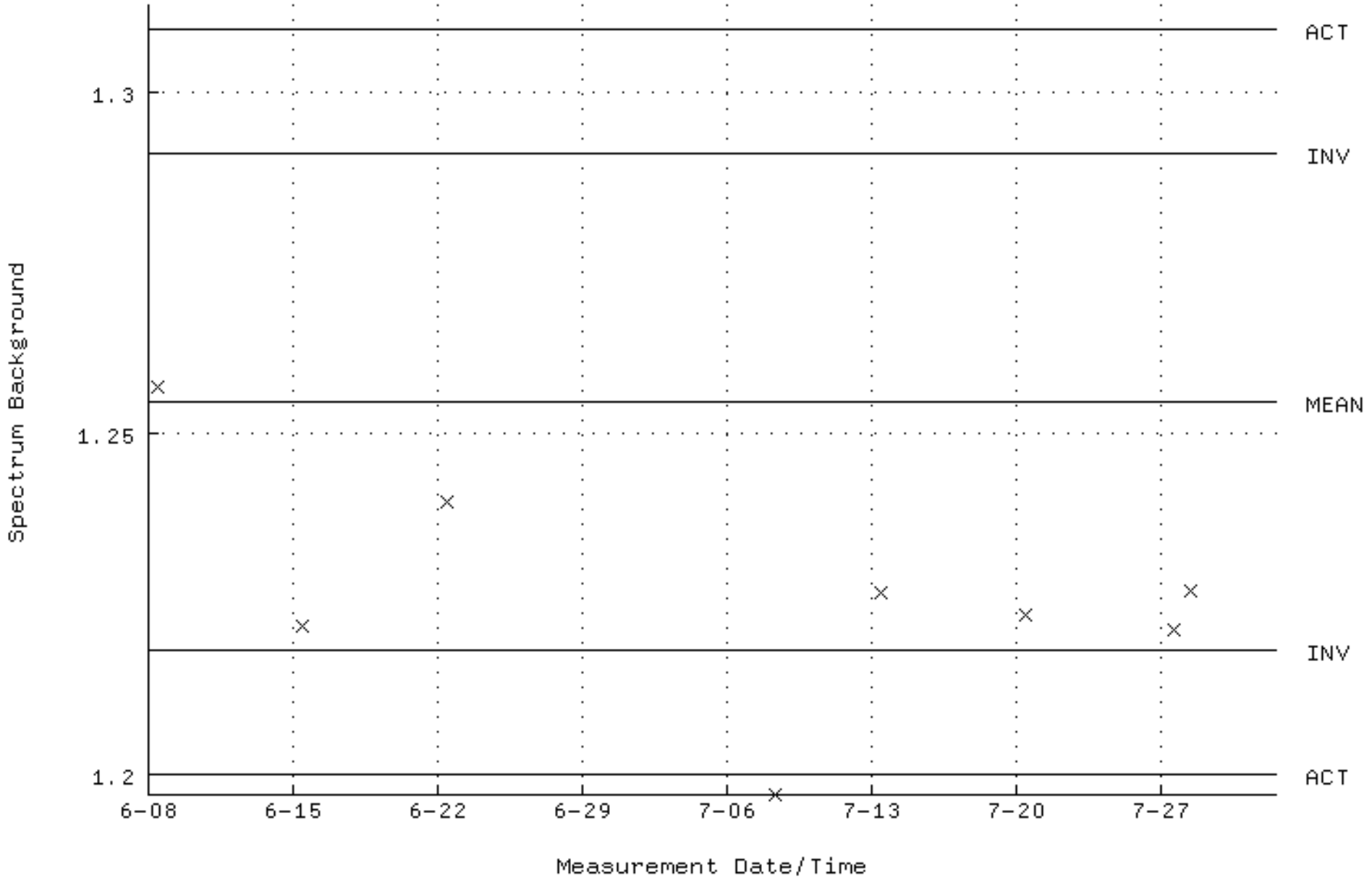
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM06_CAN.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-JUN-2025 04:37:47 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 0.996804 +- 6.229915E-02 (6.25 %)



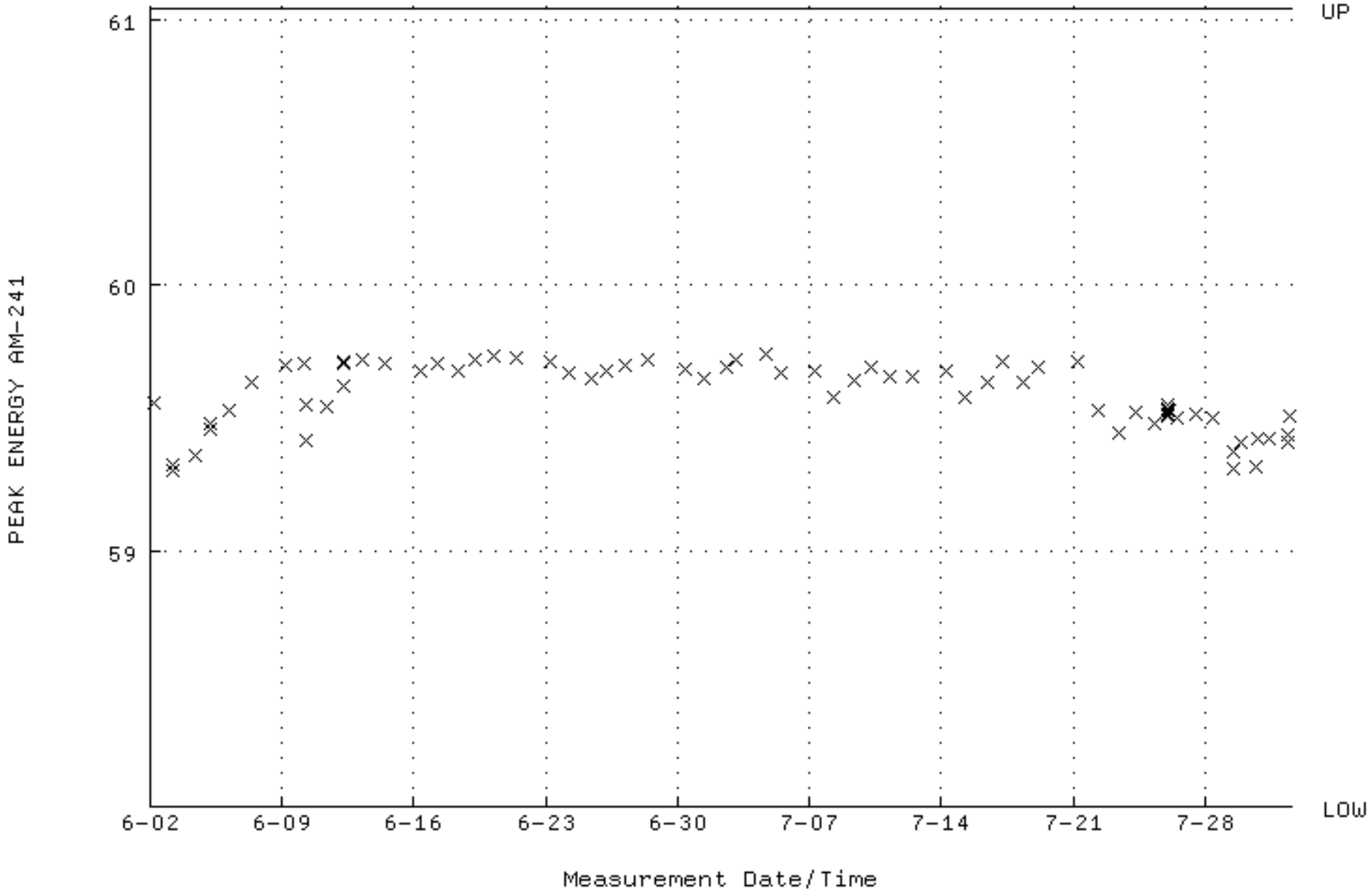
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM06_CAN.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-JUN-2025 04:37:47 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 63101.3 +- 1296.73 (2.05 %)



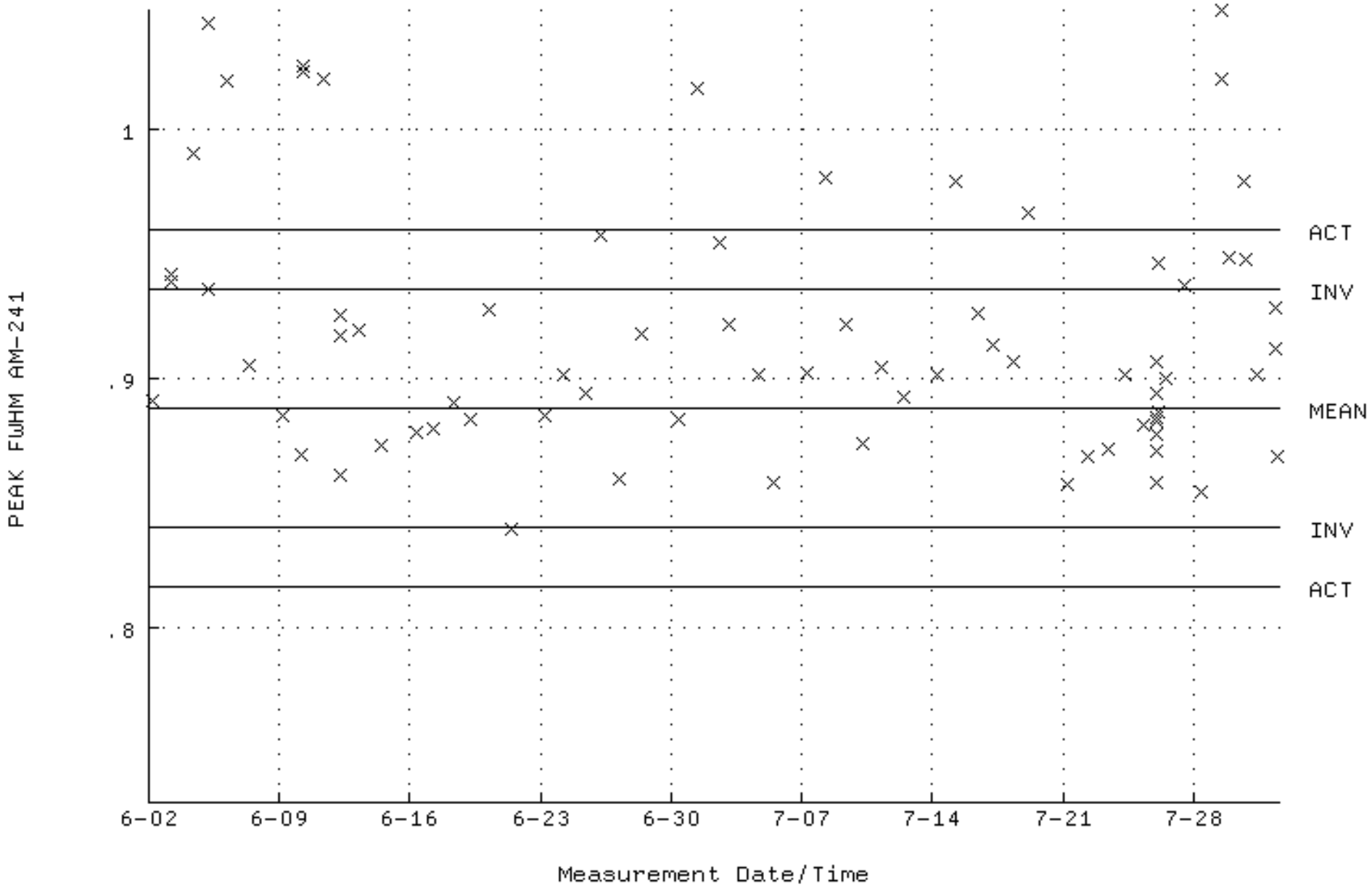
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM06.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 8-JUN-2025 10:44:28 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 1.25484 +- 1.824749E-02 (1.45 %)



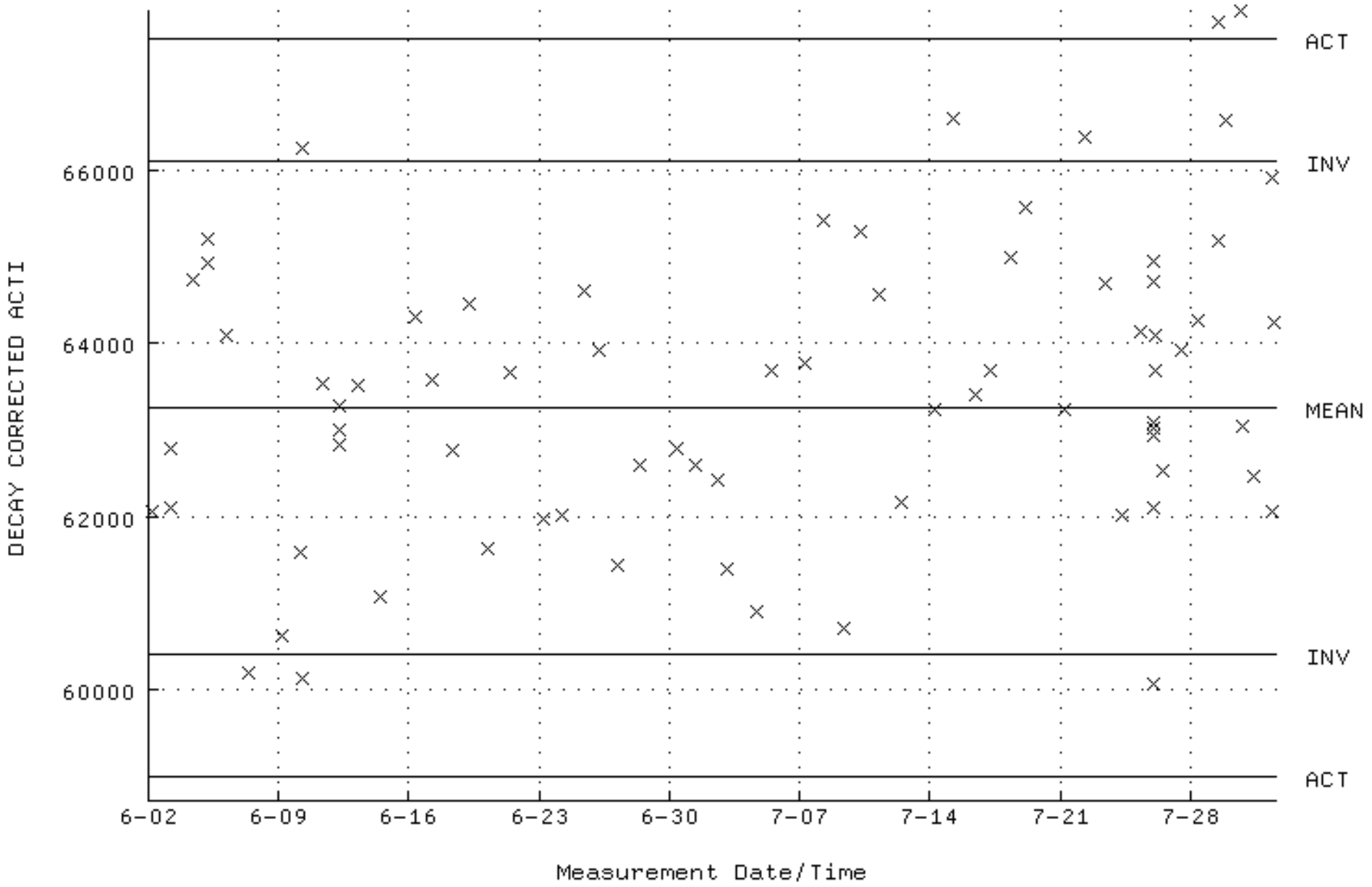
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM32_CAN.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-JUN-2025 04:38:22 through 1-AUG-2025 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400



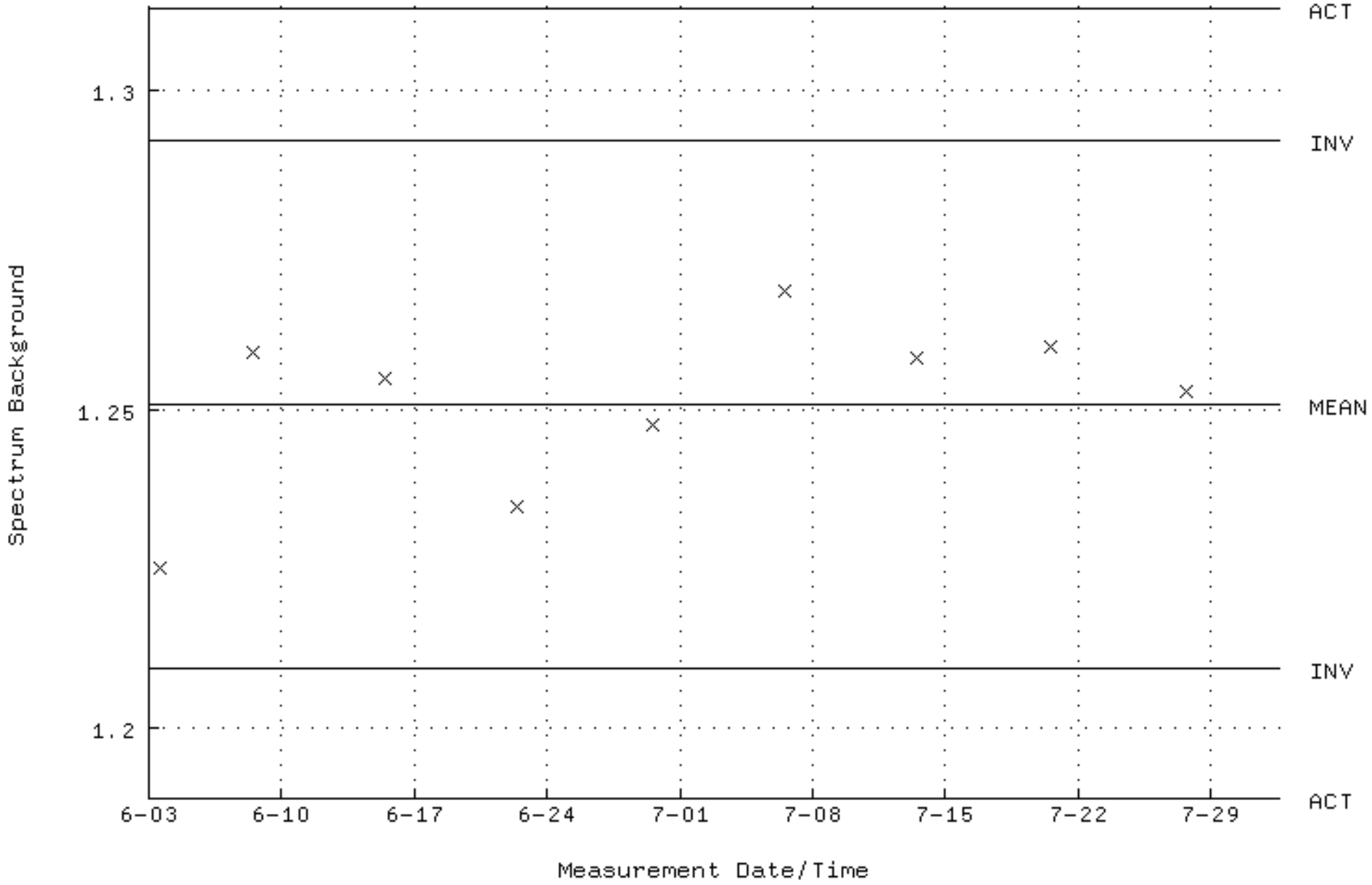
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM32_CAN.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-JUN-2025 04:38:22 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 0.888441 +- 2.390681E-02 (2.69 %)



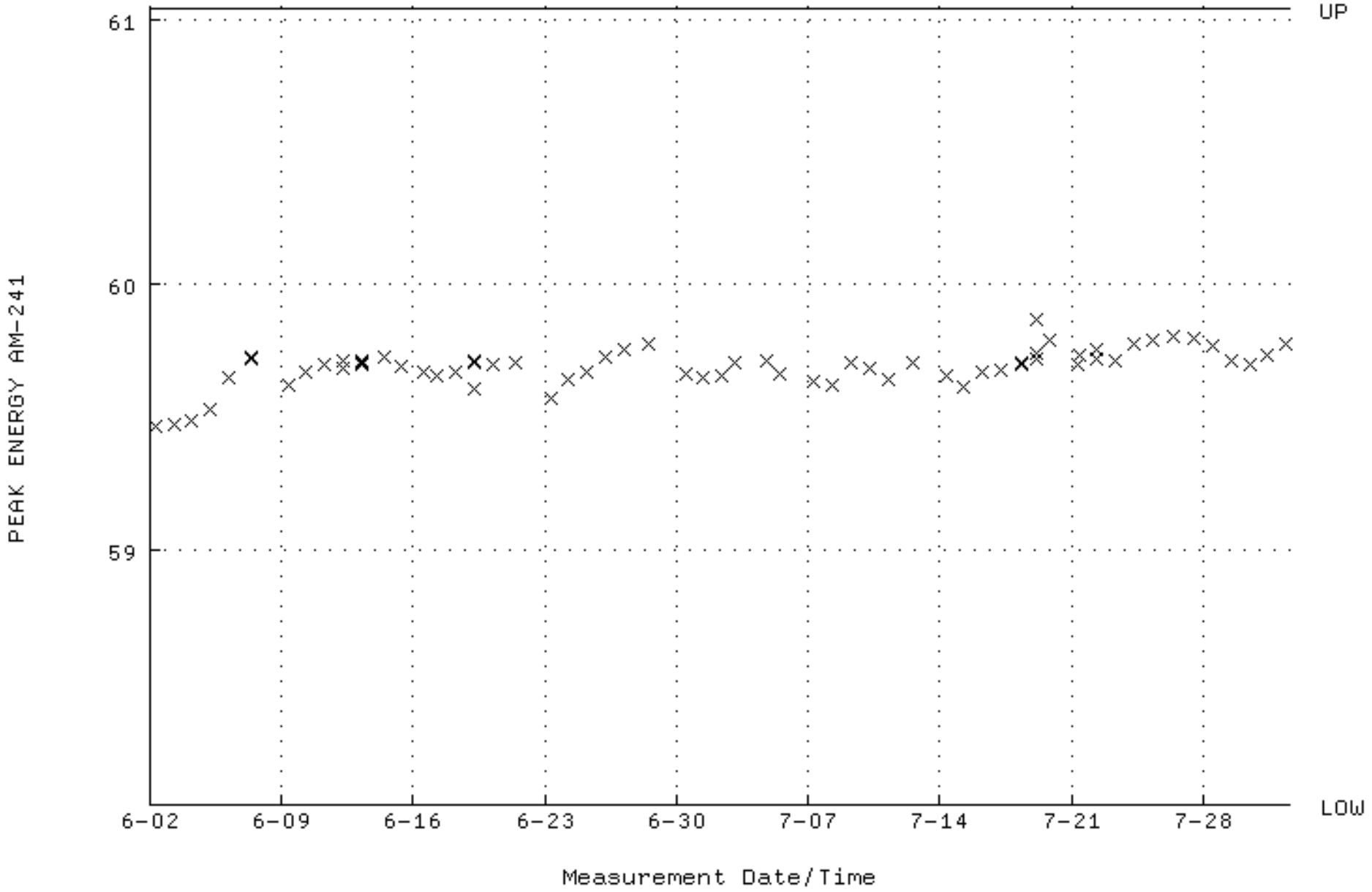
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM32_CAN.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-JUN-2025 04:38:22 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 63268.6 +- 1423.72 (2.25 %)



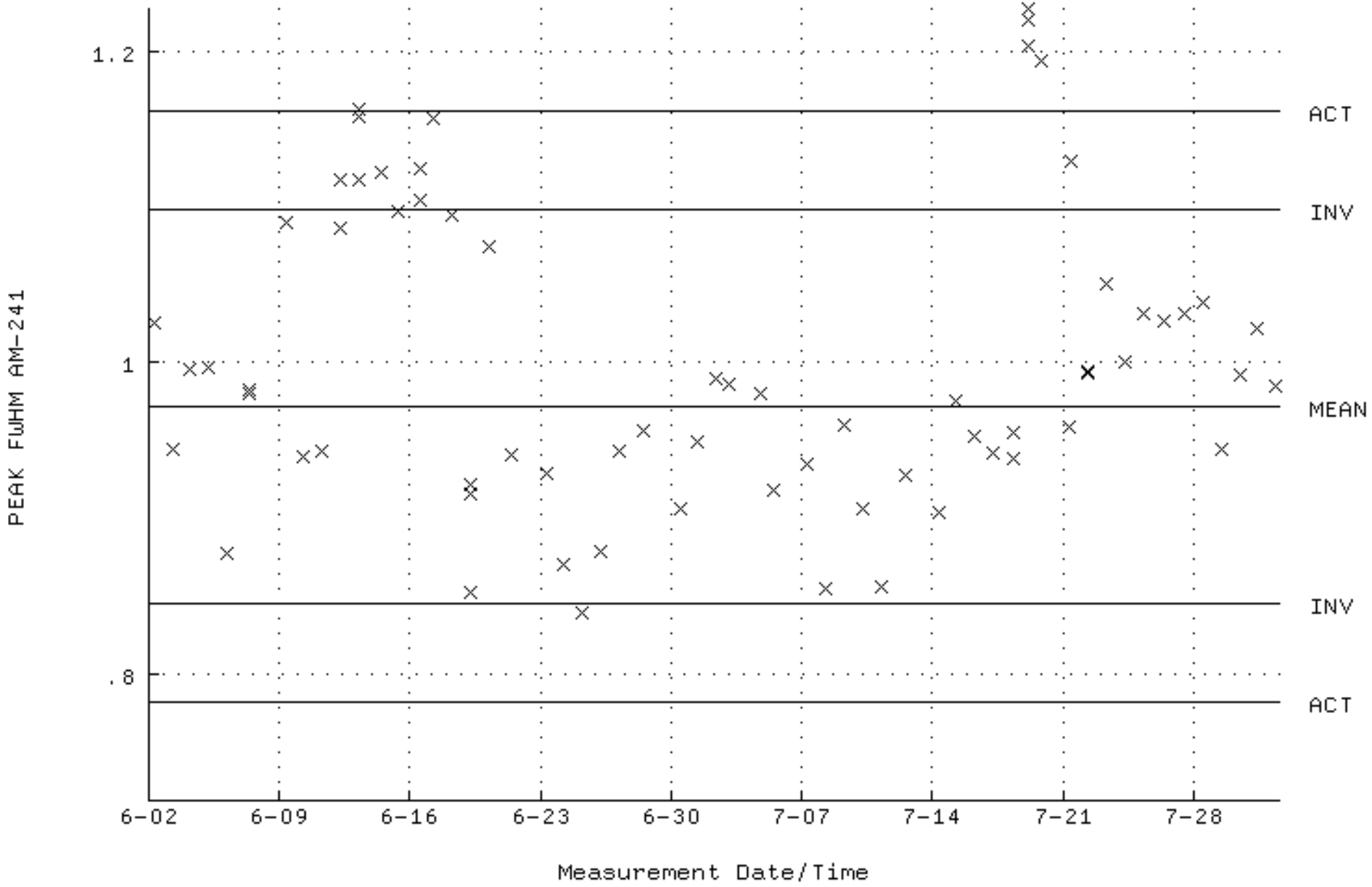
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM32.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 3-JUN-2025 13:14:17 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 1.25089 +- 2.063027E-02 (1.65 %)



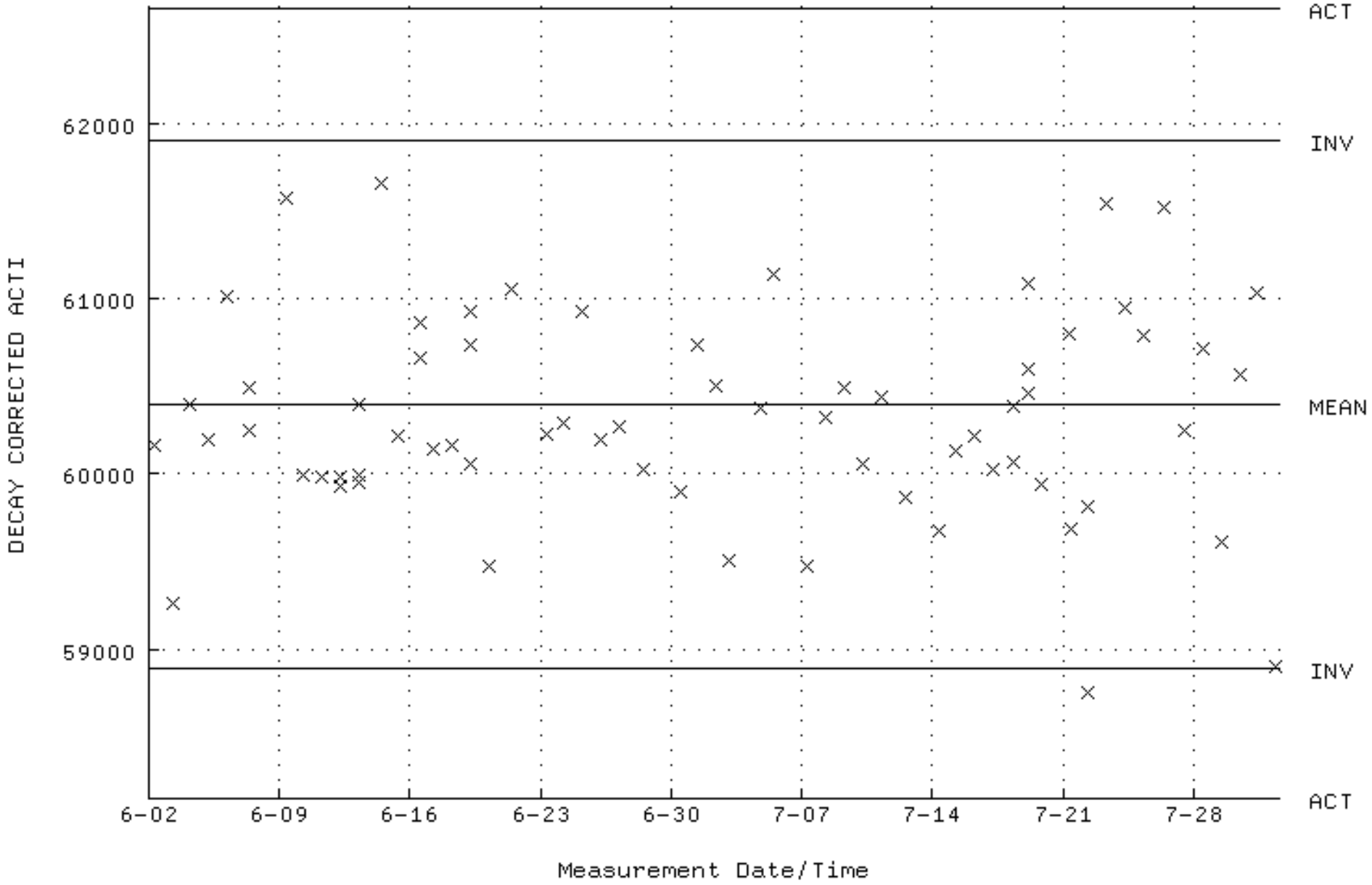
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM41_CAN.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-JUN-2025 06:06:36 through 1-AUG-2025 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400



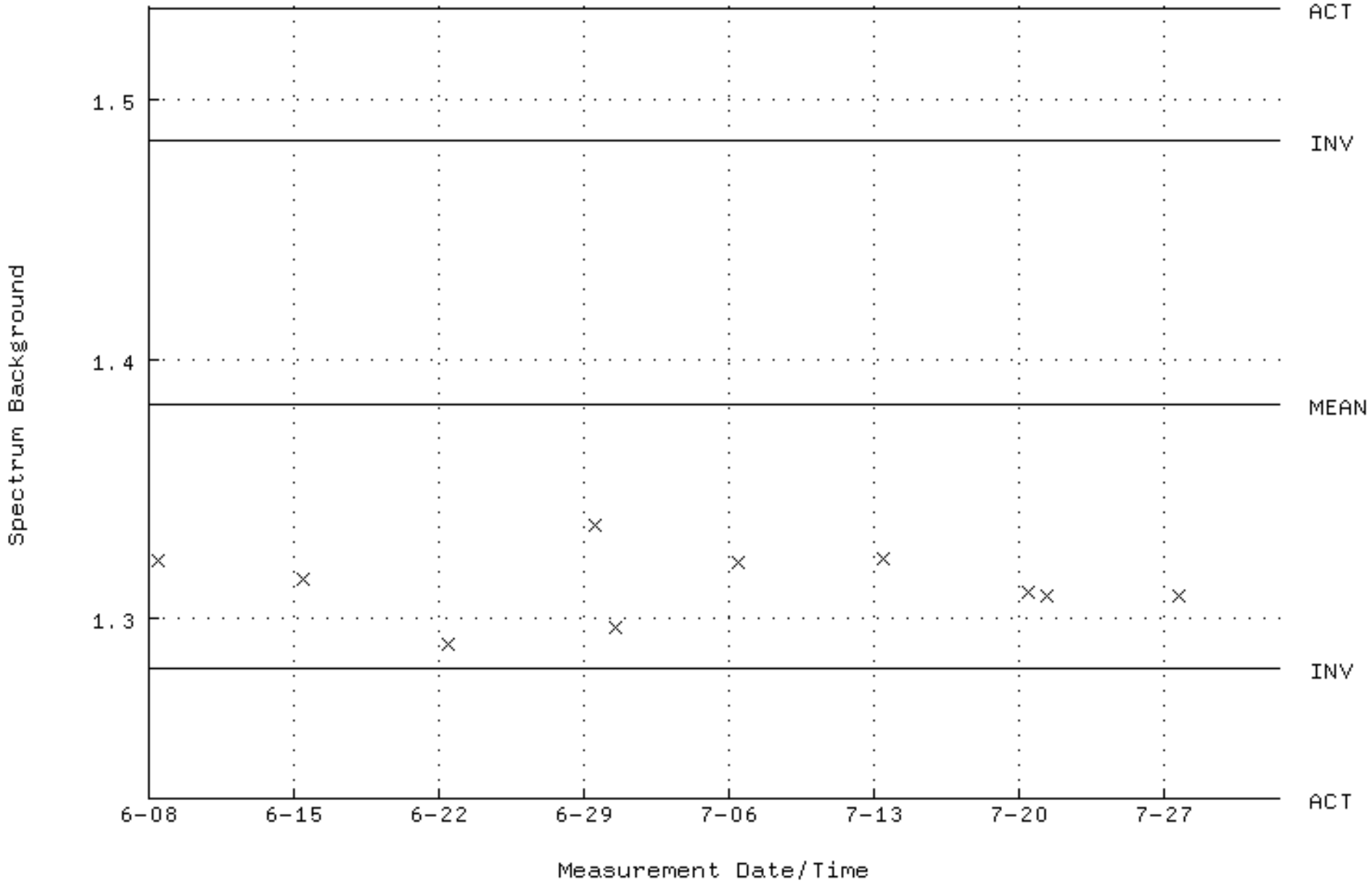
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM41_CAN.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-JUN-2025 06:06:36 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 0.972535 +- 6.309706E-02 (6.49 %)



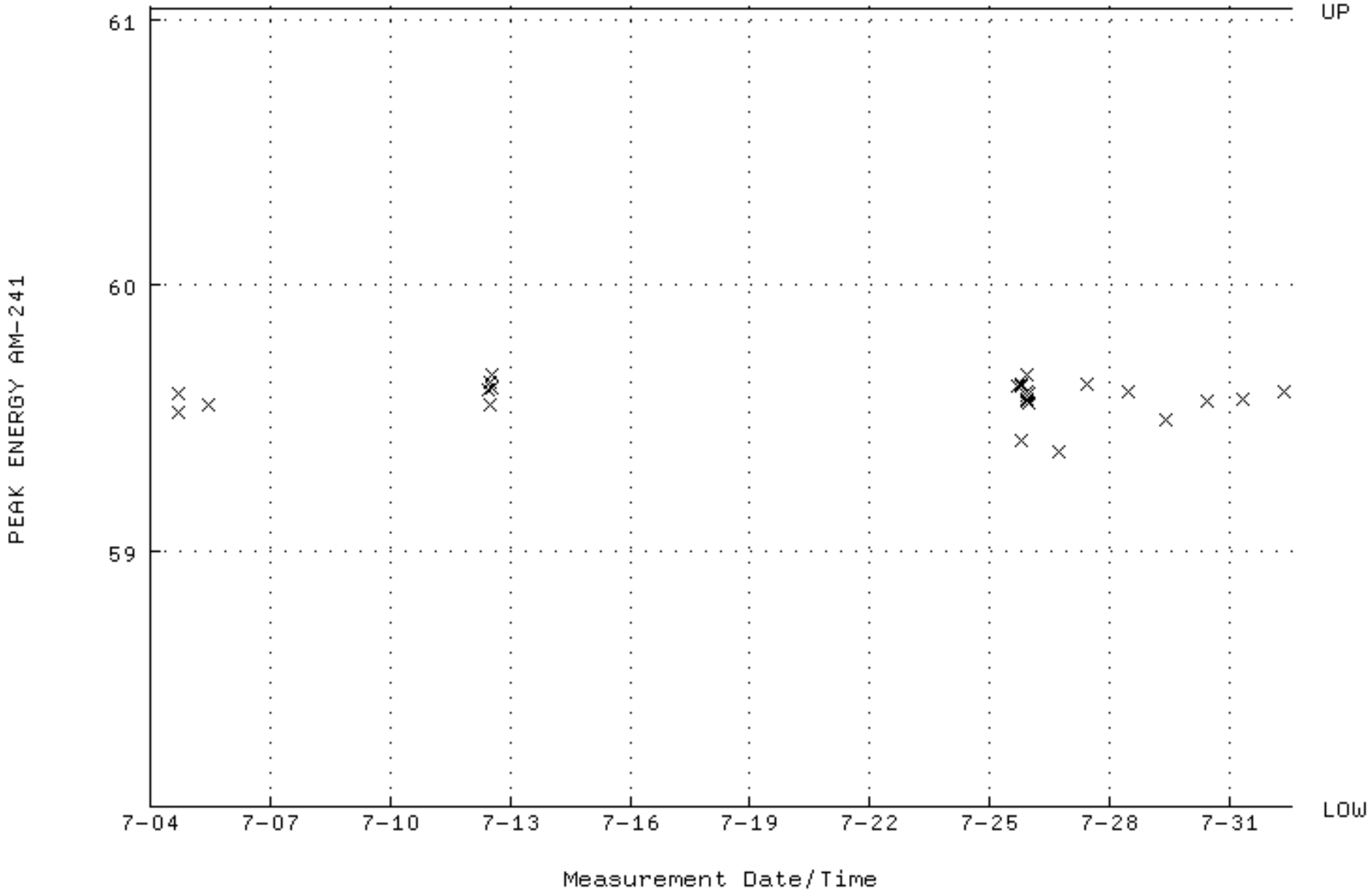
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM41_CAN.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-JUN-2025 06:06:36 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 60401.1 +- 751.820 (1.24 %)



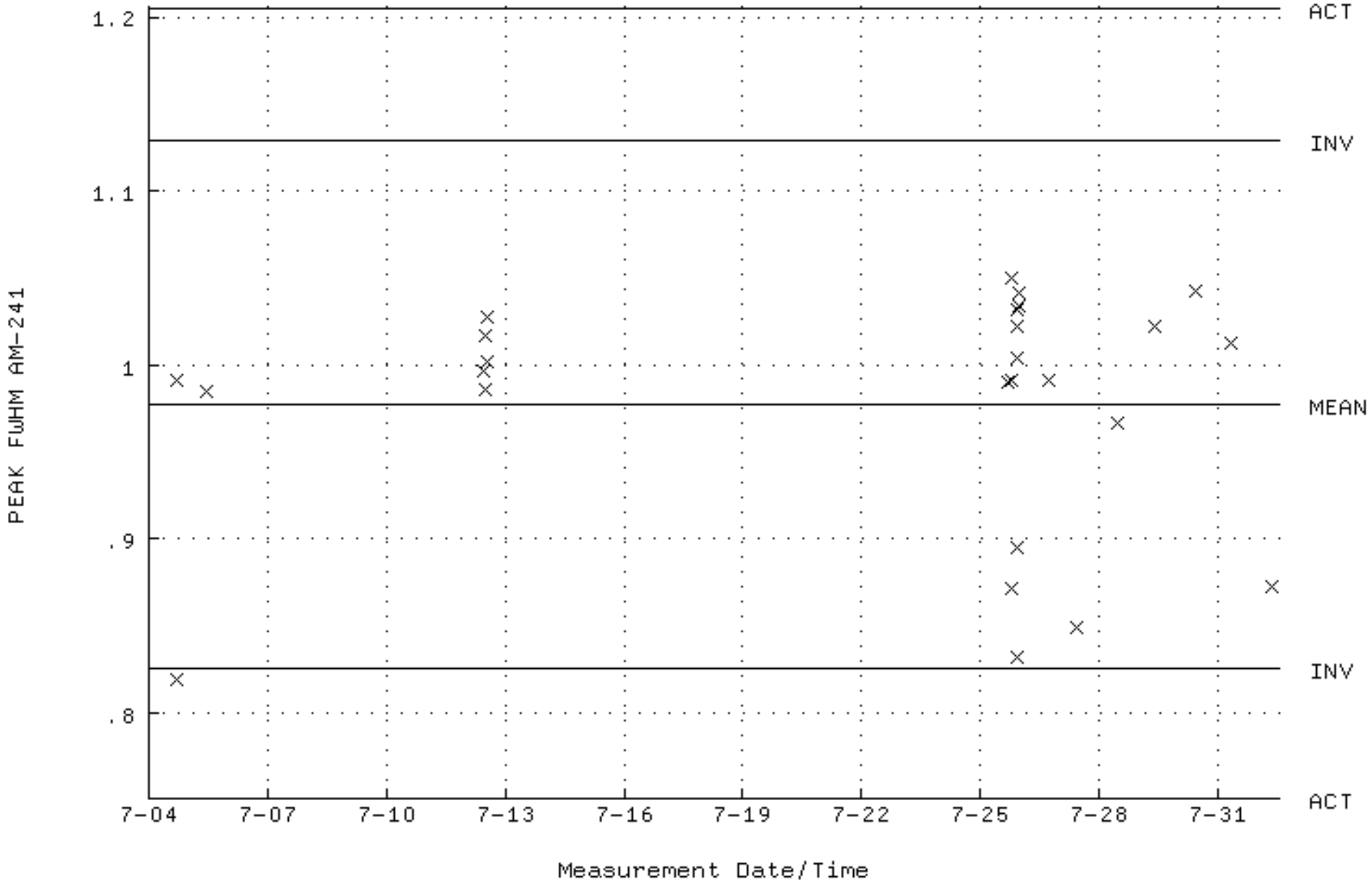
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM41.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 8-JUN-2025 10:47:46 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 1.38296 +- 5.070877E-02 (3.67 %)



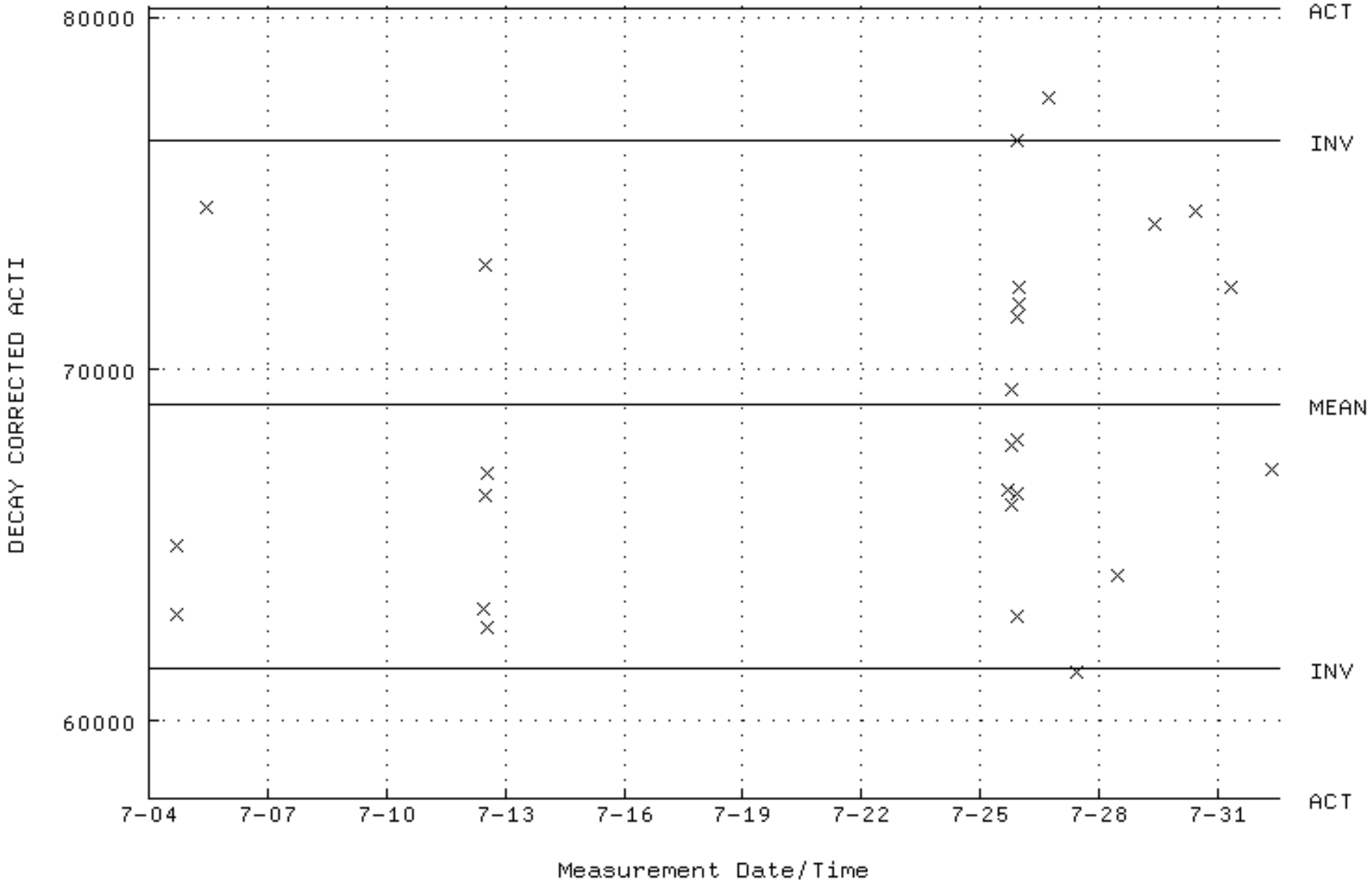
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM50_400JAR.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 4-JUL-2025 16:44:23 through 1-AUG-2025 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400



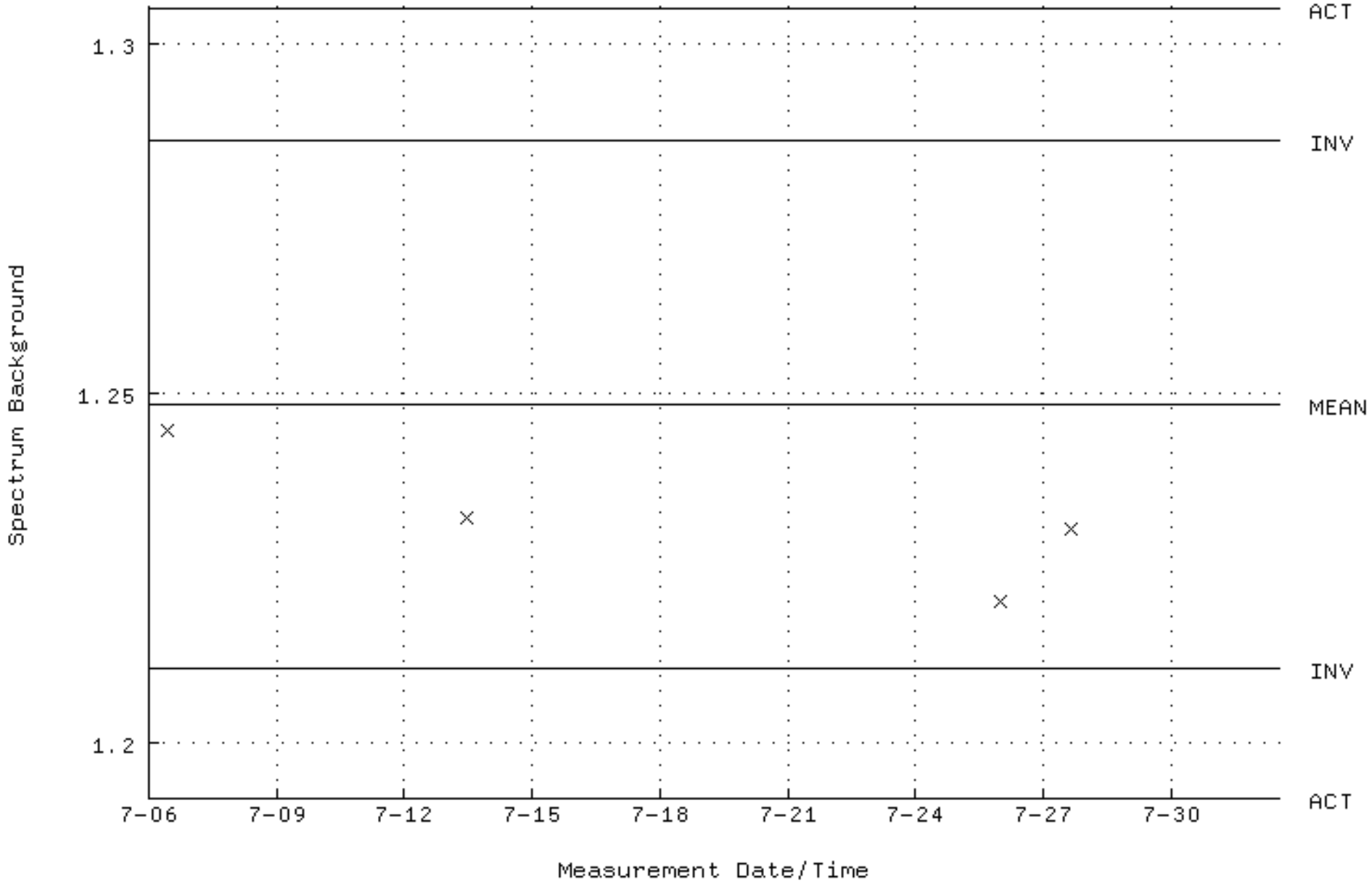
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM50_400JAR.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 4-JUL-2025 16:44:23 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 0.977950 +- 7.580584E-02 (7.75 %)



QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM50_400JAR.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 4-JUL-2025 16:44:23 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 69020.4 +- 3747.26 (5.43 %)



QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM50.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 6-JUL-2025 10:23:14 through 1-AUG-2025 12:00:00
Mean +- Std Dev : 1.24858 +- 1.883305E-02 (1.51 %)



RAD Standards Traceability

Eckert & Ziegler
Analytics

1380 Seaboard Industrial Blvd.
Atlanta, Georgia 30318
Tel 404•352•8677
Fax 404•352•2837
www.analyticsinc.com

CERTIFICATE OF CALIBRATION

1556

Standard Radionuclide Source

84680-278

100 mL Solid in Aluminum Can

Customer: GEL Labs
P.O. No.: 489884RD, Item 3
Reference Date: 01-Apr-2011 12:00 PM EST **Grams of Master Source:** 0.0066498

This standard radionuclide source was prepared using aliquots measured gravimetrically from master radionuclide solutions. Calibration and purity were checked using a germanium gamma spectrometer system. At the time of calibration no interfering gamma-ray emitting impurities were detected. The gamma ray emission rates for the most intense gamma-ray lines are given. Eckert & Ziegler Analytics (EZA) maintains traceability to the National Institute of Standards and Technology through a Measurements Assurance Program as described in USNRC Regulatory Guide 4.15, Revision 1, February, 1979, and compliance with ANSI N42.22-1995, "Traceability of Radioactive Sources to NIST." EZA is accredited by the Health Physics Society (HPS) for the production of NIST-traceable sources, and this source was produced in accordance with the HPS accreditation requirements. Customers may report any concerns with the accreditation program to the HPS Secretariat, 1313 Dolley Madison Blvd., Ste. 402, McLean, VA 22101. Density of solid matrix 1.15 g/cc.

Nuclide	Gamma-Ray Energy (keV)	Half-Life, Days	Master Source* γps/gram	This Source γps	Uncertainty, % Type u_A	u_B	U	Calibration Method
Pb-210	46.5	8.120E+03	———	1.129E+03	0.1	2.1	4.1	4π LS
Am-241	59.5	1.580E+05	———	7.538E+02	0.1	1.7	3.5	4π LS
Cd-109	88.0	4.626E+02	1.659E+05	1.103E+03	0.6	2.3	4.8	HPGe
Co-57	122.1	2.718E+02	8.949E+04	5.951E+02	0.6	2.0	4.2	HPGe
Ce-139	165.9	1.376E+02	1.247E+05	8.292E+02	0.6	1.9	4.0	HPGe
Hg-203	279.2	4.661E+01	2.899E+05	1.928E+03	0.6	1.9	4.0	HPGe
Sn-113	391.7	1.151E+02	1.739E+05	1.156E+03	0.6	1.9	4.0	HPGe
Cs-137	661.7	1.098E+04	1.107E+05	7.361E+02	0.8	1.9	4.1	HPGe
Y-88	898.0	1.066E+02	4.246E+05	2.824E+03	0.6	1.9	4.0	HPGe
Zn-65	1115.6	2.441E+02	———	1.445E+03	0.1	1.7	3.5	IC
Co-60	1173.2	1.925E+03	2.118E+05	1.408E+03	0.7	1.9	4.0	HPGe
Co-60	1332.5	1.925E+03	2.118E+05	1.408E+03	0.7	1.9	4.0	HPGe
Y-88	1836.1	1.066E+02	4.495E+05	2.989E+03	0.7	1.9	4.0	HPGe

* Master Source refers to Analytics' 8-isotope mixture which is calibrated quarterly.

Calibration Methods: 4π LS - 4 pi Liquid Scintillation Counting, HPGe - High Purity Germanium Gamma-Ray Spectrometer, IC - Ionization Chamber. **Uncertainty:** U - Relative expanded uncertainty, k = 2. See NIST Technical Note 1297, "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results."

(Certificate continued on reverse side)

ACCREDITED SOURCE CALIBRATION LABORATORY HEALTH PHYSICS SOCIETY FOUNDED 1968

RC-S-060-101

Corporate Office
2033 Avenue 21 Butts Valencia, California 91355

Laboratory
1380 Seaboard Industrial Blvd. Atlanta, Georgia, 30318

Page 2 of 3 GEL

This standard will expire one year after the reference date.

Source Prepared by: M Williford
M. Williford, Radiochemist

QA Approved:
J. D. McCorvey, QA Manager Alternate

Date: 6/27/11

ACCREDITED SOURCE CALIBRATION LABORATORY HEALTH PHYSICS SOCIETY FOUNDED 1968

Standard Logbook

Serial ID:	1556	**Open/Reference Date:**	01-APR-11	**Aliquot :**	1 mL
Name:	Mixed Gamma LCS CAN	**Received:**	01-APR-11	**Density :**	Hand Calculated
Type:	Source Material	**Expires:**	01-APR-37	**Lot Number :**	84680-278
Employee:	Maggie Stamps	**Verified:**	14-JUL-11		
Supplier:	Eckert & Zeigler Analytics				
Description:	84680-278				
Comments:	None				

Analyte	Concentration	Analyte	Concentration
Americium-241	125983.3 dpm/mL	Cesium-137	51898.9 dpm/mL
Cobalt-60	84496.9 dpm/mL		

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton
7/14/2011

Isotope	Result
Pb-210	pCi/L
Mixed Gamma N1	722900
Mixed Gamma N2	752300
Mixed Gamma N3	692100

Isotopic Abundance: 0.0425
Certificate Value (dps): 1129

Mean Value (Counting) =	722433.33	pCi/L	100.622	**Pass**
Stdev =	30102.713	pCi/L		**Rule 3 (Pass/Fail)**
Certificate Value =	717965.0	pCi/L		
Lower Limit =	662227.9072	pCi/L		
Upper Limit =	782638.7594	pCi/L		
Rule 1 Pass/Fail	**Pass**			
Two sigma =	60205.42611			
10 % of Mean =	72243.33333			
Rule 2 (Pass/Fail)	**Pass**			

Verification Rules

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Rule 2 = The two sigma value used for the 95% confidence interval shall not exceed 10% of the mean value of the three verification measurements.
Rule 3 = The determined mean value shall be within 5% of the certificate value.

mgH 7/20/11

H.Stamper 7/20/11

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton
7/14/2011

Isotope	Result
Am-241	**pCi/L**
Mixed Gamma N1	58390
Mixed Gamma N2	60740
Mixed Gamma N3	57770

Isotopic Abundance: 0.359
Certificate Value (dps): 753.8

Mean Value (Counting) =	58966.67	pCi/L	**103.9074**	**Pass**
Stdev =	1566.727	pCi/L		**Rule 3 (Pass/Fail)**
Certificate Value =	56749.2	pCi/L		
Lower Limit =	55833.21277	pCi/L		
Upper Limit =	62100.12057	pCi/L		
Rule 1 Pass/Fail	**Pass**			
Two sigma =	3133.453898			
10 % of Mean =	5896.666667			
Rule 2 (Pass/Fail)	**Pass**			

Verification Rules

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mgH 7/20/11
M. Stamps 7/20/11

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton
7/14/2011

Isotope	Result
Cd-109	pCi/L
Mixed Gamma N1	818400
Mixed Gamma N2	798000
Mixed Gamma N3	764700

Isotopic Abundance: 0.037
Certificate Value (dps): 1103

Mean Value (Counting) =	793700.00	pCi/L	**98.51091**	**Pass**
Stdev =	27107.010	pCi/L		**Rule 3 (Pass/Fail)**
Certificate Value =	805697.6	pCi/L		
Lower Limit =	739485.9797	pCi/L		
Upper Limit =	847914.0203	pCi/L		
Rule 1 Pass/Fail	**Pass**			
Two sigma =	54214.02033			
10 % of Mean =	79370			
Rule 2 (Pass/Fail)	**Pass**			

Verification Rules

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mgh 7/20/11
MStamps 7/20/11

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton	**Isotope**	**Result**			
7/14/2011	**Co-57**	**pCi/L**			
	Mixed Gamma N1	19090		Isotopic Abundance:	0.856
	Mixed Gamma N2	18820		Certificate Value (dps):	595.1
	Mixed Gamma N3	18830			
Mean Value (Counting) =	18913.33	pCi/L	**100.6592**	**Pass**	
Stdev =	153.080	pCi/L		**Rule 3 (Pass/Fail)**	
Certificate Value =	18789.5	pCi/L			
Lower Limit =	18607.17433	pCi/L			
Upper Limit =	19219.49233	pCi/L			
Rule 1 Pass/Fail	**Pass**				
Two sigma =	306.1590001				
10 % of Mean =	1891.333333				
Rule 2 (Pass/Fail)	**Pass**				

mgh 7/20/11

MStamper 7/20/11

Verification Rules

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Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton	**Isotope**	**Result**			
7/14/2011	**Ce-139**	**pCi/L**			
	Mixed Gamma N1	28740		Isotopic Abundance:	0.8
	Mixed Gamma N2	29410		Certificate Value (dps):	829.2
	Mixed Gamma N3	27560			
Mean Value (Counting) =	28570.00	pCi/L	**101.9865**	**Pass**	
Stdev =	936.643	pCi/L		**Rule 3 (Pass/Fail)**	
Certificate Value =	28013.5	pCi/L			
Lower Limit =	26696.71412	pCi/L			
Upper Limit =	30443.28588	pCi/L			
Rule 1 Pass/Fail	**Pass**				
Two sigma =	1873.285883				
10 % of Mean =	2857				
Rule 2 (Pass/Fail)	**Pass**				

mgH 7/20/11

Verification Rules

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pl Stamp 7/20/11

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton
7/14/2011

Isotope	Result
Hg-203	**pCi/L**
Mixed Gamma N1	66300
Mixed Gamma N2	68180
Mixed Gamma N3	64480

Isotopic Abundance: 0.8156
Certificate Value (dps): 1928

Mean Value (Counting) =	66320.00	pCi/L	**103.8046**	**Pass**
Stdev =	1850.081	pCi/L		**Rule 3 (Pass/Fail)**
Certificate Value =	63889.3	pCi/L		
Lower Limit =	62619.83784	pCi/L		
Upper Limit =	70020.16216	pCi/L		
Rule 1 Pass/Fail	**Pass**			
Two sigma =	3700.162159			
10 % of Mean =	6632			
Rule 2 (Pass/Fail)	**Pass**			

mgh 7/20/11

MStamper 7/20/11

Verification Rules

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Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton	**Isotope**	**Result**			
7/14/2011	**Sn-113**	**pCi/L**			
	Mixed Gamma N1	49560		Isotopic Abundance:	0.6497
	Mixed Gamma N2	49620		Certificate Value (dps):	1156
	Mixed Gamma N3	48300			
Mean Value (Counting) =	49160.00	pCi/L	**102.2277**	**Pass**	
Stdev =	745.386	pCi/L		**Rule 3 (Pass/Fail)**	
Certificate Value =	48088.7	pCi/L			
Lower Limit =	47669.22839	pCi/L			
Upper Limit =	50650.77161	pCi/L			
Rule 1 Pass/Fail	**Pass**				
Two sigma =	1490.771612				
10 % of Mean =	4916				
Rule 2 (Pass/Fail)	**Pass**				

Verification Rules

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mgH 7/20/11

Hoffampl 7/20/11

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton	**Isotope**	**Result**			
7/14/2011	**Cs-137**	**pCi/L**			
	Mixed Gamma N1	23710		Isotopic Abundance:	0.851
	Mixed Gamma N2	23950		Certificate Value (dps):	736.1
	Mixed Gamma N3	24040			
Mean Value (Counting) =	23900.00	pCi/L	**102.2333**	**Pass**	
Stdev =	170.587	pCi/L		**Rule 3 (Pass/Fail)**	
Certificate Value =	23377.9	pCi/L			
Lower Limit =	23558.82556	pCi/L			
Upper Limit =	24241.17444	pCi/L			
Rule 1 Pass/Fail	**Fail**	***exception taken due to full recovery of standard**			
Two sigma =	341.1744422				
10 % of Mean =	2390				
Rule 2 (Pass/Fail)	**Pass**				

7/20/11

Verification Rules

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Rule 3 = The determined mean value shall be within 5% of the certificate value.

M Stamps 7/20/11

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton
7/14/2011

Isotope	Result
Y-88 (898)	pCi/L
Mixed Gamma N1	82690
Mixed Gamma N2	81320
Mixed Gamma N3	80940

Isotopic Abundance: 0.937
Certificate Value (dps): 2824

Mean Value (Counting) =	81650.00	pCi/L	**100.2381**	**Pass**
Stdev =	920.489	pCi/L		**Rule 3 (Pass/Fail)**
Certificate Value =	81456.1	pCi/L		
Lower Limit =	79809.022	pCi/L		
Upper Limit =	83490.978	pCi/L		
Rule 1 Pass/Fail	**Pass**			
Two sigma =	1840.978001			
10 % of Mean =	8165			
Rule 2 (Pass/Fail)	**Pass**			

MJH 7/20/11

Mstamper 7/20/11

Verification Rules

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Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton
7/14/2011

Isotope	Result			
Co-60 (1173)	**pCi/L**			
Mixed Gamma N1	38910		Isotopic Abundance:	0.9985
Mixed Gamma N2	39750		Certificate Value (dps):	1408
Mixed Gamma N3	38840			
Mean Value (Counting) =	39166.67	pCi/L	**102.7694**	**Pass**
Stdev =	506.392	pCi/L		**Rule 3 (Pass/Fail)**
Certificate Value =	38111.2	pCi/L		
Lower Limit =	38153.88173	pCi/L		
Upper Limit =	40179.45161	pCi/L		
Rule 1 Pass/Fail	**Fail**	***exception taken due to full recovery of standard**		
Two sigma =	1012.784939			
10 % of Mean =	3916.666667			
Rule 2 (Pass/Fail)	**Pass**			

msgd 7/20/11

MStamper 7/20/11

Verification Rules

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Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton 7/14/2011	**Isotope** **Co-60 (1332.50)** Mixed Gamma N1 Mixed Gamma N2 Mixed Gamma N3	**Result** **pCi/L** 38940 40200 39150		Isotopic Abundance: Certificate Value (dps):	0.9998 1408
Mean Value (Counting) = **Stdev =**	39430.00 675.056	pCi/L pCi/L	**103.595**	**Pass** **Rule 3 (Pass/Fail)**	
Certificate Value = **Lower Limit =** **Upper Limit =** **Rule 1 Pass/Fail** **Two sigma =** **10 % of Mean =** **Rule 2 (Pass/Fail)**	38061.7 38079.88889 40780.11111 **Fail** 1350.111107 3943 **Pass**	pCi/L pCi/L pCi/L ***exception taken due to full recovery of standard**			

mgw 7/20/11

MStamps 7/20/11

Verification Rules

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Rule 2 = The two sigma value used for the 95% confidence interval shall not exceed 10% of the mean value of the three verification measurements.
Rule 3 = The determined mean value shall be within 5% of the certificate value.

Verification for Mixed Gamma Standard 1556 CAN

Michael Hilton
7/14/2011

Isotope	Result
Y-88 (1836.1)	pCi/L
Mixed Gamma N1	82870
Mixed Gamma N2	83080
Mixed Gamma N3	84640

Isotopic Abundance: 0.992
Certificate Value (dps): 2989

Mean Value (Counting) =	83530.00	pCi/L	102.5723	**Pass**
Stdev =	967.006	pCi/L		**Rule 3 (Pass/Fail)**
Certificate Value =	81435.3	pCi/L		
Lower Limit =	81595.98862	pCi/L		
Upper Limit =	85464.01138	pCi/L		
Rule 1 Pass/Fail	**Fail**	***exception taken due to full recovery of standard**		
Two sigma =	1934.011375			
10 % of Mean =	8353			
Rule 2 (Pass/Fail)	**Pass**			

mgh 7/20/11

MStamper 7/20/11

Verification Rules

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Rule 3 = The determined mean value shall be within 5% of the certificate value.

Standard Logbook

Serial ID:	1556	**Open/Reference Date:**	01-APR-11	**Aliquot :**	1 mL
Name:	Mixed Gamma LCS CAN	**Received:**	01-APR-11	**Density :**	Hand Calculated
Type:	Source Material	**Expires:**	01-APR-37	**Lot Number :**	84680-278
Employee:	Maggie Stamps	**Verified:**	14-JUL-11		
Supplier:	Eckert & Ziegler				

Description: 84680-278

Comments: None

Analyte	Concentration	Analyte	Concentration
Americium-241	125983.3 dpm/mL	Cesium-137	51898.9 dpm/mL
Cobalt-60	84496.9 dpm/mL		

Runlogs

Instrument Run Log

Instrument Type: GAMMA SPECTROMETER **Batch ID: 2831784**

Sample ID	Sample Type	Analyst	Instrument	Run Date	Status	Geometry	Calibration Date
733378001	SAMPLE	RXF2	GAM02	AUG-12-25 05:58:17	DONE	CAN	19-SEP-24 00:00
733378002	SAMPLE	RXF2	GAM01	AUG-12-25 06:15:58	DONE	CAN	23-JUN-25 00:00
733378003	SAMPLE	RXF2	GAM41	AUG-12-25 07:16:59	DONE	CAN	05-SEP-24 00:00
733378004	SAMPLE	RXF2	GAM02	AUG-12-25 07:17:35	DONE	CAN	19-SEP-24 00:00
1206172841	DUP	RXF2	GAM21	AUG-12-25 07:19:26	DUSE	CAN	24-JUL-25 00:00
1206172840	MB	RXF2	GAM06	AUG-12-25 07:20:16	DONE	CAN	23-SEP-24 00:00
1206172842	LCS	RXF2	GAM50	AUG-12-25 07:21:01	DONE	CAN	25-JUL-25 00:00
1206172841	DUP	RXF2	GAM32	AUG-12-25 09:46:07	DONE	CAN	24-JUL-25 00:00

Attachment C

Designer and Manufacturer of Scientific and Industrial Instruments

www.ludlums.com

CERTIFICATE OF CALIBRATION

LUDLUM MEASUREMENTS, INC
501 C Street
325-235-5494
Sweetwater, TX 79556, U.S.A.

ilac-MRA ACCREDITED CERT # 4084.01

Customer MJW CORPORATION ORDER NO. 20491745/571445

Mfg. Ludlum Measurements, Inc. Model 2241 Serial No. 196664

Mfg. Ludlum Measurements, Inc. Model 44-10 Serial No. PR413155

Cal. Date 3-Apr-25 Cal Due Date 3-Apr-26 Cal. Interval 1 Year Meterface Digital

Check mark ✓ applies to applicable instr. and/or detector IAW mfg. spec. T. 74 °F RH 37 % Alt 697.6 mm Hg

☐ New Instrument Instrument Received ☑ Within Toler. +-10% ☐ 10-20% ☐ Out of Tol. ☐ Requiring Repair ☐ Other-See comments

☑ Mechanical ck. ☐ Meter Zeroed ☐ Background Subtract ☐ Input Sens. Linearity

☑ F/S Resp. ck ☑ Reset ck. ☐ Window Operation

☑ Audio ck. ☑ Alarm Setting ck. ☑ Batt. ck.

☑ Calibrated in accordance with LMI SOP 14.8 ☐ Calibrated in accordance with LMI SOP 14.9

Instrument Volt Set 950 V Input Sens. 10 mV Det. Oper. 950 V at 10 mV Threshold Dial Ratio ____ = ____ mV

COMMENTS:

DET 1
Deadtime: 0µSec
Cal Constant: 100e-2
Alarm: 300kcpm
Alert: 200kcpm

Firmware: P- 04 08
Overload checked but not set.
Pulser calibration "RATEMETER READOUT"
performed without deadtime.

Gamma Calibration: GM detectors positioned perpendicular to source except for M 44-9 in which the front of probe faces source.
Multimeter uncertainty within 1.4% of reading, Gamma uncertainty within 5.6% of reading, Neutron uncertainty within 7.0% of reading, Count rate uncertainty within 5.2% of reading

RANGE/MULTIPLIER	REFERENCE CAL. POINT	INSTRUMENT REC'D "AS FOUND READING"	INSTRUMENT METER READING
AUTO			
AUTO			

Range(s) Calibrated Electronically

	REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING
Ratemeter Readout	800K cpm	799 Kcpm	799 Kcpm
	200K cpm	199	199
	80K cpm	79	79
	20K cpm	19.9	19.9
	8K cpm	7.9	7.9
	2K cpm	1.99	199
	800 cpm	800 cpm	800 cpm
	200 cpm	200	200
	80 cpm	80	80
	20 cpm	20.1	20.1

	REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING
Scaler Readout	800K cpm	79998 (D)	79998 (D)
	200K cpm	19905	19905
	80K cpm	7990	7990
	20K cpm	1994	1994
	8K cpm	799	799
	2K cpm	199	199
	800 cpm	80	80
	200 cpm	20	20
	80 cpm	8	8
	20 cpm	2	2

Ludlum Measurements, Inc. certifies that the above instrument has been calibrated by standards traceable to the National Institute of Standards and Technology, or to the calibration facilities of other International Standards Organization members, or have been derived from accepted values of natural physical constants or have been derived by the ratio type of calibration techniques.
All pass/fail determinations are based on the manufacturer's specifications without considering uncertainty factors.
Measurement results represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k=2.
The calibration system conforms to the requirements of ANSI/NCSL Z540-1-1994 and ANSI N323AB-2013
ISO/IEC 17025:2017(E)
State of Texas Calibration License No. LO-1963

Reference Instruments and/or Sources: Cs-137 S/N: ☐ 059 ☐ 2171CP ☐ 2261CP ☐ 720 ☐ 734 ☐ 781 ☐ 1131 ☐ 1616 ☐ 1696 ☐ 1909 ☐ 1916CP ☐ 2324/2521
☐ 5717CO ☐ 5719CO ☐ 60646 ☐ 70897 ☐ 73410 ☐ E552 ☐ G112 ☐ 2168CP ☐ S-394 ☐ S-1054 ☐ T10081 ☐ T10082 Neutron Am-241 Be ☐ T-304 Ra-226 ☐ Y982
☐ E551 ☐ 5105 ☐ CSV280

☐ Alpha S/N ____ ☐ Beta S/N ____ ☐ Other ____

☑ m 500 S/N 247891 ☐ Oscilloscope S/N ____ ☑ Multimeter S/N 15210051

Calibrator Teresa Herrera Teresa Herrera Title Calibrator Date 3-Apr-25

QC'd By [signature] Title Final QC Date 4Apr25

This certificate shall not be reproduced except in full, without the written approval of Ludlum Measurements, Inc.

www.ludlums.com

Designer and Manufacturer
of
Scientific and Industrial
Instruments

LUDLUM MEASUREMENTS, INC.
501 C[illegible]treet
325-235-5494
Sweetwater, TX 79556, U.S.A.

Bench Test Data For Detector

Detector 44-10 Serial No. PR413155

Customer MJW CORPORATION ORDER NO. 20491745/571445

Counter 2241 Serial No. 1966664 Counter Input Sensitivity 10 mV

Count Time 60 seconds Distance Source to Detector Surface

Other

High Voltage	Background	Isotope Size Am-241 0.84uCi	Isotope Size	Isotope Size	Isotope Size
750	222	14262			
800	217	14934			
850	238	14947			
900	253	14996			
950	227	14911			
1000	224	14977			
1050	247	15071			
1100	296	15459			

Signature Teresa Herrera Teresa Herrera Date 3-Apr-25

• *Serving The Nuclear Industry Since 1962* •

Single Channel Scaler Instrumentation Set-Up Sheet

Inst. Model/SN: 2241-2/196664
Detector Model/SN: 44-10/PR 413155
High Voltage: 5
Date/Time: 7-10-25/0800

Source Type: Th-232
Activity: unknown
Source ID: MSW8
Technician: Paul Koch

Record 10, one-minute background counts:

1 7693
2 7681
3 7676
4 7510
5 7584
6 7539
7 7663
8 7520
9 7564
10 7763

Record 10, one-minute gross source counts:

1 93695
2 93141
3 93740
4 92975
5 93617
6 93930
7 93765
8 93349
9 93608
10 93601

Calculate the average background count:

Avg: 7619

Calculate the average background count:

Avg: 93542

Calculate the Background Range +/- 20%*

Low: 6095
High: ~~9142~~ 9143

Calculate the Source Count Range +/- 20%*

Low: 74834
High: 112,250

* Instrument is analog. Ranges adjusted to nearest whole number detectable per instrument scale.

RSO or designee Review/Date: Alexander J Bartels 7/16/25

Single Channel Scaler Response Test Sheet

Inst. Model/SN: 2241-2 / 196664
Detector Model/SN: 44-10 / PR 413155
High Voltage:

Source Type: Th-232
Activity: Unknown
Source ID: MSW8

Background Range +/- 20%*
Low: 6095
High: 9143

Source Count Range +/- 20%*
Low: 74834
High: 112,250

* Instrument is analog. Ranges adjusted to nearest whole number detectable per instrument scale.

Date	Time	HV +/- 10v	Bkg Count	Gross Source	Battery Check (S/U)	Cal Due Date	Inst. QC (S/U)	Tech
7-10-25	0800	+	7692	91931	S	4-3-26	S	PCK
7-11-25	0700	+	7567	92671	S	4-3-26	S	PCK

S = Satisfactory U = Unsatisfactory N/A = Not applicable for this instrument

RSO or designee Review/Date: Alexander J Bartels 7/16/25

Single Channel Scaler Instrumentation Set-Up Sheet

Inst. Model/SN: 2241-2/196664
Detector Model/SN: 44-10/PR413155
High Voltage: 5
Date/Time: 8-11-25/~~08~~ 1100

Source Type: Th-232
Activity: unknown
Source ID: MJW8
Technician: Paul Koch

Record 10, one-minute background counts:		Record 10, one-minute gross source counts:	
1	7729	1	93641
2	7679	2	93311
3	7772	3	93730
4	7699	4	92981
5	7772	5	93614
6	7810	6	93927
7	7518	7	93762
8	7792	8	93351
9	7702	9	93607
10	7625	10	93701

Calculate the average background count:

Avg: 7710

Calculate the average background count:

Avg: 93,563

Calculate the Background Range +/- 20%*

Low: 6168
High: 9252

Calculate the Source Count Range +/- 20%*

Low: 74,850
High: 112,276

* Instrument is analog. Ranges adjusted to nearest whole number detectable per instrument scale.

RSO or designee Review/Date: Alexander J Bartels 7/16/25

Single Channel Scaler Response Test Sheet

Inst. Model/SN: 2241-2/196664
Detector Model/SN: 44-10/PR413155
High Voltage: S

Source Type: Th-232
Activity: Unknown
Source ID: MJW8

Background Range +/- 20%*
Low: 6168
High: 9252

Source Count Range +/- 20%*
Low: 74,850
High: 112,276

* Instrument is analog. Ranges adjusted to nearest whole number detectable per instrument scale.

Date	Time	HV +/- 10v	Bkg Count	Gross Source	Battery Check (S/U)	Cal Due Date	Inst. QC (S/U)	Tech
8-11-25	1160	S	7681	92410	S	4-3-26	S	PCK
8-12-25	0700	S	7756	93111	S	4-3-26	S	PCK
8-13-25	0700	S	7642	93045	S	4-3-26	S	PCK

S = Satisfactory U = Unsatisfactory N/A = Not applicable for this instrument

RSO or designee Review/Date: Alexander J Bartels 7/16/25

Designer and Manufacturer of Scientific and Industrial Instruments

www.ludlums.com

CERTIFICATE OF CALIBRATION

LUDLUM MEASUREMENTS, INC.
501 Oak St
325-235-5494
Sweetwater, TX 79556, U.S.A.

ACCREDITED CERT # 4084.01

Customer MJW CORPORATION ORDER NO. 20486187/567646

Mfg. Bicron Model MICRO REM Serial No. B 693 G

Mfg. _____ Model _____ Serial No. _____

Cal. Date 13-Jan-25 Cal Due Date 13-Jan-26 Cal. Interval 1 Year Meterface _____

Check mark ☑ applies to applicable instr. and/or detector IAW mfg. spec. T. 72 °F RH 23 % Alt 713.0 mm Hg

☐ New Instrument Instrument Received ☑ Within Toler. +-10% ☐ 10-20% ☐ Out of Tol. ☐ Requiring Repair ☐ Other-See comments

☑ Mechanical ck. ☐ Meter Zeroed ☐ Background Subtract ☐ Input Sens. Linearity
☐ F/S Resp. ck ☑ Reset ck. ☐ Window Operation ☐ Geotropism
☑ Audio ck. ☐ Alarm Setting ck. ☐ Batt. ck.

☐ Calibrated in accordance with LMI SOP 14.8 ☑ Calibrated in accordance with LMI SOP 14.9

Instrument Volt Set _____ V Input Sens. _____ mV Det. Oper. _____ V at _____ mV Threshold Dial Ratio _____ = _____ mV

☐ HV Readout (2 points) Ref./Inst. _____ / _____ V Ref./Inst. _____ / _____ V

COMMENTS:

Gamma Calibration: GM detectors positioned perpendicular to source except for M 44-9 in which the front of probe faces source.

Multimeter uncertainty within 1.4% of reading, Gamma uncertainty within 5.6% of reading, Neutron uncertainty within 7.0% of reading, Count rate uncertainty within 5.2% of reading

RANGE/MULTIPLIER	REFERENCE CAL. POINT	INSTRUMENT REC'D "AS FOUND READING"	INSTRUMENT METER READING
x 1000	150 mrem/hr	150 mrem/hr	150 mrem/hr
x 1000	50 mrem/hr	50	50
x 100	15 mrem/hr	150	150
x 100	5 mrem/hr	48	48
x 10	1500 µrem/hr	150	150
x 10	500 µrem/hr	45	45
x 1	150 µrem/hr	150	150
x 1	100 µrem/hr	100	100
x0.1	15 µrem/hr	150	150
x0.1			

Range(s) Calibrated Electronically

Digital Readout	REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING

Log Scale	REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING

Ludlum Measurements, Inc. certifies that the above instrument has been calibrated by standards traceable to the National Institute of Standards and Technology, or to the calibration facilities of other International Standards Organization members, or have been derived from accepted values of natural physical constants or have been derived by the ratio type of calibration techniques.
All pass/fail determinations are based on the manufacturer's specifications without considering uncertainty factors.
Measurement results represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k=2.
The calibration system conforms to the requirements of ANSI/NCSL Z540-1-1994 and ANSI N323AB-2013
ISO/IEC 17025:2017(E)
State of Texas Calibration License No. LO-1963

Reference Instruments and/or Sources: Cs-137 S/N: ☐ 059 ☐ 2171CP ☐ 2261CP ☐ 720 ☐ 734 ☐ 781 ☐ 1131 ☐ 1616 ☐ 1696 ☐ 1909 ☐ 1916CP ☐ 2324/2521
☐ 5717CO ☐ 5719CO ☐ 60646 ☐ 70897 ☐ 73410 ☐ E552 ☐ G112 ☐ 2168CP ☐ S-394 ☐ S-1054 ☐ T10081 ☐ T10082 Neutron Am-241 Be ☐ T-304 Ra-226 ☐ Y982
☑ E551 ☑ 5105 ☑ CSV280

☐ Alpha S/N _____ ☐ Beta S/N _____ ☑ Other Cs-137: 3561282A

☐ m 500 S/N _____ ☐ Oscilloscope S/N _____ ☐ Multimeter S/N _____

Calibrator Duaine Jackson Duaine Jackson Title Calibrator Date 13 JAN 25

QC'd By _____ Title Final QC Date 14 JAN 25

This certificate shall not be reproduced except in full, without the written approval of Ludlum Measurements, Inc.

AC Inst. Only ☐ Passed Dielectric (Hi-Pot) and Continuity Test ☐ Failed: _____

Multiscale Set-Up and Response Test Sheet

Inst. Model/SN: MicroRem B693G
Detector Model/SN: N/A
High Voltage: 5

Source Type: Th-232
Activity: Unknown
Source ID: MSW8

Date/Time: 7-10-25 / 8-11-25 0800 / 1100
Technician: Paul Koch
Units: URem / hr

	Scale 1 (x 0.1)		Scale 2 (x 1.0)		Scale 3 (x 10)		Scale 4 (x 100)		Scale 5 (x 1000)	
Background	6		NA		NA		NA		NA	
Background Range +/- 20%	Low	High	Low	High	Low	High	Low	High	Low	High
	5	7	-	-	-	-	-	-	-	-
Source Gross	NA		NA		300		NA		NA	
Source Range +/- 20%	Low	High	Low	High	Low	High	Low	High	Low	High
	-	-	-	-	200	400	-	-	-	-

Response Test

Date	Time	Cal. Due	High Voltage (S/U)	Battery Check (S/U)	BKG	Scale 1 (x 0.1)	Scale 2 (x 1.0)	Scale 3 (x 10)	Scale 4 (x 100)	Scale 5 (x 1000)	Inst. QC (S/U)	Tech Initials
7-10-25	0800	1-13-26	S	S	5URem	NA	300	NA	NA	NA	S	PCK
7-11-25	0700	1-13-26	S	S	5URem	NA	300	NA	NA	NA	S	PCK
8-11-25	1100	1-13-26	S	S	6URem	NA	300	NA	NA	NA	S	PCK
8-12-25	0700	1-13-26	S	S	6URem	NA	300	NA	NA	NA	S	PCK
8-13-25	0700	1-13-26	S	S	6URem	NA	300	NA	NA	NA	S	PCK

S = Satisfactory U = Unsatisfactory N/A = Not applicable for this instrument

RSO or designee Review/Date: Alexander J Bartels 7/16/25

Single Channel Scaler Instrumentation Set-Up Sheet

Inst. Model/SN: 2241-2/262712
Detector Model/SN: 44-10/PR288422
High Voltage:
Date/Time: 07-10-25/0800
9 Lakeview

Source Type: Thorium
Activity: 49,177 CPM
Source ID: 001
Technician: Paul Koch

Record 10, one-minute background counts:

1 7693
2 7681
3 7676
4 7510
5 7584
6 7539
7 7663
8 7520
9 7564
10 7763

Record 10, one-minute gross source counts:

1 57607
2 57721
3 57371
4 57436
5 58063
6 57714
7 57765
8 57611
9 57735
10 58188

Calculate the average background count:

Avg: 7,619

Calculate the average background count:

Avg: 57,721

Calculate the Background Range +/- 20%*

Low: 6,095
High: 9,143

Calculate the Source Count Range +/- 20%*

Low: 46,177
High: 69,265

* Instrument is analog. Ranges adjusted to nearest whole number detectable per instrument scale.

RSO or designee Review/Date: Alex Barth 7/16/25

Single Channel Scaler Response Test Sheet

Inst. Model/SN: 2241-2/262912
Detector Model/SN: 44-10/PR288422
High Voltage:

Source Type: Thorium
Activity: 49,174 cpm
Source ID: 001

Background Range +/- 20%*
Low: 6,095
High: 9,143

Source Count Range +/- 20%*
Low: 46,177
High: 69,265

* Instrument is analog. Ranges adjusted to nearest whole number detectable per instrument scale.

Date	Time	HV +/- 10v	Bkg Count	Gross Source	Battery Check (S/U)	Cal Due Date	Inst. QC (S/U)	Tech
7-10-25	0800	S	7691	57605	S	8-14-25	S	PCK
7-11-25	0700	S	7682	57421	S	8-14-25	S	PCK

S = Satisfactory U = Unsatisfactory N/A = Not applicable for this instrument

RSO or designee Review/Date: _____ 7/16/27

Multiscale Set-Up and Response Test Sheet

Inst. Model/SN: MicroRem 19264
Detector Model/SN: N/A
High Voltage:

Source Type: Thorium
Activity: 49, 177
Source ID: 001

Date/Time: 07-10-25
Technician: Paul Koch
Units: u Rem/hr

	Scale 1 (x 0.1)		Scale 2 (x 1.0)		Scale 3 (x 10)		Scale 4 (x 100)		Scale 5 (x 1000)	
Background	5									
Background Range +/- 20%	Low	High	Low	High	Low	High	Low	High	Low	High
	4	6								
Source Gross					300					
Source Range +/- 20%	Low	High	Low	High	Low	High	Low	High	Low	High
					200	400				

Response Test

Date	Time	Cal. Due	High Voltage (S/U)	Battery Check (S/U)	BKG	Scale 1 (x 0.1)	Scale 2 (x 1.0)	Scale 3 (x 10)	Scale 4 (x 100)	Scale 5 (x 1000)	Inst. QC (S/U)	Tech Initials
07-10-25	0800	12-23-25	S	S	5	NA	NA	300	NA	NA	S	PCK
07-11-25	0700	12-23-25	S	S	5	NA	NA	300	NA	NA	S	PCK

S = Satisfactory U = Unsatisfactory N/A = Not applicable for this instrument

RSO or designee Review/Date: _____ 7/16/25

Attachment D

Page: _____ of _____
Project # _____
GEL Quote #: _____
COC Number (1): _____
PO Number:

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: 733378
GEL Project Manager:

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: MJW for La Bella
Phone # 716-631-8291
Project/Site Name: 9 Lake view
Fax #
Address: 15 Hazelwood Drive Suite 112 Amherst NY 14228
Collected By: P. Koch
Send Results To: gbartels@mjwcorp.com

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Sample Analysis Requested (5) (Fill in the number of containers for each test): Gamma	<-- Preservative Type (6)	Comments
LA-TP8-1025	07-1025	0800	N	N	SO			1	X		gamma 21 day ingrowth
LA-TP8-1025 Dup	07-10-25	0800	FD	N	SO			1	X		
LA-TP14-1125	07-11-25	0900	N	N	SO			1	X		
LA-LC71125	07-11-25	01130	N	N	SO			1	X		

Note: extra sample is required for sample specific QC

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	[signature]	7-14-25	0900	[signature]	7/16/25	950
2						
3						

> For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [ ] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [ ] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks:

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No Cooler Temp: 22 °C

Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

Attachment E

Sample Log

Sample location/description: 9 Lakeview Ave			Location Coords:				
Survey Date: 7-10-7-11-25	Weather Conditions:		Surveyed By: Paul Koch				Page:
Inst./Detector Model #	**Inst./Detector Serial #**		**Back-ground**	**Units/Type**	**% Eff.**	**Nuclide**	**Cal. Due Date**
22-41-2	196664		7692 cpm	cpm α	NA		4-3-26
44-10 Probe	PR413155			cpm β	NA		4-3-26
Bicron - MicroRem	B693G		5 URem	cpm γ	NA		1-13-26

Sample ID	Time	Depth (feet)	Voume (grams)	Sample Media (Soil/Sediment)	Sample Type (Comp/Grab)	2"x2" NaI Reading (gross cpm)
LA-TP8-1025	0800	0-3 ft		Soil	Grab	13 kcpm
Visual Characteristics and Notes: Sample Consisting of Soil and mixed fill. Sample taken 7-10-25						COC #:
LA-TP8-1025Dup	0800	0-3 ft		Soil	Grab	13 kcpm
Visual Characteristics and Notes: field duplicate from TP8 consisting of soil and mixed fill. sample taken 7-10-25						COC #:
LA-TP14-1125	0900	0-3 ft		Soil	Grab	10 kcpm
Visual Characteristics and Notes: Sample consisting of soil and mixed fill. sample taken 7-11-25						COC #:
LA-LG7 1125	1130	0-3 ft		Soil	Comp	10-12 kcpm
Visual Characteristics and Notes: Wide area composite sample consisting of soil and mixed fill. sample taken 7-11-25						COC #:
Visual Characteristics and Notes:						COC #:
Visual Characteristics and Notes:						COC #:
Visual Characteristics and Notes:						COC #:
Visual Characteristics and Notes:						COC #:
Visual Characteristics and Notes:						COC #:
Visual Characteristics and Notes:						COC #:

Reviewed By: [signature] Alex Bartels Date: 7/15/25

APPENDIX 3:
FIELD LOGS

LaBella
Powered by partnership.

TEST PIT LOG

Test Pit No.	TP-7
Sheet	1 of 1
Project No.:	2253075
Chkd By:	A. Zebrowski
Start Date:	7/10/2025
Finish Date:	7/10/2025

Project Name:	NYSDEC BCP Site # C915365		
Location:	9 Lakeview Avenue, Buffalo, New York 14201		
Client:	Buffalo Lakeview LLC		
Contractor:	LaBella Environmental, LLC	**Operator:**	Bill Smith

Key:

Geologic Strata Change

Gradation Change Within Strata

End of Test Pit

Equipment:	CAT 357E		
Logged By:	S. Campana / A. Moskaluk	**Time Start:**	8:40
LaBella Rep.	S. Campana / A. Moskaluk	**Time End:**	10:00

Test Pit Location:

Depth (ft)	Sample Number / ID	Depth of Change (ft)	VISUAL-MANUAL MATERIAL DESCRIPTION trace (1 - 10%), little (11 - 20%), some (21 - 35%), and (36-50%); WOH = weight of hammer ; WOR = weight of rod	PID (parts per million)	Notes
1	SS-1	0-2	Slag, ash, concrete, grey gravel and silt, black to grey, dry	0.0	
2					
3	TP-7 2-3 ft	2-6	Clay and silt, contains slag, fine grained, red and grey, moist	0.0	
4					
5				0.0	
6					
7		6-13.7	Clay, trace silt, trace subangular pebbles, grey and red, most	0.0	
8					
9				0.0	
10					
11				0.0	
12					
13				0.0	
14					Terminated at 13.7 ft bgs
15					

Notes:

Test Pit dimentions 8 ft long by 3 ft wide

Suspect clay tile sewer line encoutered at 8 ft bgs

Fill to 6 ft bgs

bgs = Below Ground Surface
NA = Not Applicable
ft = Feet

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

kcpm = kilo counts per minute

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TEST PIT LOG

Test Pit No.	TP-8
Sheet	1 of 1
Project No.:	2253075
Chkd By:	A. Zebrowski
Start Date:	7/10/2025
Finish Date:	7/10/2025

Project Name:	NYSDEC BCP Site # C915365		
Location:	9 Lakeview Avenue, Buffalo, New York 14201		
Client:	Buffalo Lakeview LLC		
Contractor:	LaBella Environmental, LLC	**Operator:**	Bill Smith

Key:

Geologic Strata Change

Gradation Change Within Strata

End of Test Pit

Equipment:	CAT 305.5E2CR 314E		
Logged By:	S. Campana / A. Moskaluk	**Time Start:**	10:00
LaBella Rep.	S. Campana / A. Moskaluk	**Time End:**	10:30

Test Pit Location:

Depth (ft)	Sample Number / ID	Depth of Change (ft)	VISUAL-MANUAL MATERIAL DESCRIPTION trace (1 - 10%), little (11 - 20%), some (21 - 35%), and (36-50%); WOH = weight of hammer ; WOR = weight of rod	PID (parts per million)	Notes
1	SS-2	0-2	Fine silt and sand ash, trace slag, trace ash, black, dry	0.0	
2					
3	TP-8 3-4 ft	2-4	Clay with silt, slag, asphalt, concrete, brick, trace sand, brown and black, moist	0.0	
4					
5		4-9	Clay with silt, grey and light red, no slag, moist	0.0	
6					
7				0.0	
8					
9				0.0	
10		9-12.8	Clay, trace subangular pebbles, moist		
11				0.0	
12					
13				0.0	
14					Terminated at 12.8 ft bgs
15					

Notes:

Test Pit dimentions 13 ft by 3 ft

Fill to 4 ft bgs

bgs = Below Ground Surface
NA = Not Applicable
ft = Feet

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

kcpm = kilo counts per minute

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TEST PIT LOG

Test Pit No.	TP-9
Sheet	1 of 1
Project No.:	2253075
Chkd By:	A. Zebrowski
Start Date:	7/10/2025
Finish Date:	7/10/2025

Project Name:	NYSDEC BCP Site # C915365		
Location:	9 Lakeview Avenue, Buffalo, New York 14201		
Client:	Buffalo Lakeview LLC		
Contractor:	LaBella Environmental, LLC	**Operator:**	Bill Smith

Key:

- Geologic Strata Change
- Gradation Change Within Strata
- End of Test Pit

Equipment:			
Logged By:	S. Campana / A. Moskaluk	**Time Start:**	11:30
LaBella Rep.	S. Campana / A. Moskaluk	**Time End:**	12:20

Test Pit Location:

Depth (ft)	Sample Number / ID	Depth of Change (ft)	VISUAL-MANUAL MATERIAL DESCRIPTION trace (1 - 10%), little (11 - 20%), some (21 - 35%), and (36-50%); WOH = weight of hammer ; WOR = weight of rod	PID (parts per million)	Notes
1	SS-3	0-7.5	Silt and clay, subangular pebbles cobbles, asphalt, concrete, brick, roots, very poor sorting, light brown, moist	0.0	
2					
3				0.0	
4					
5				0.0	
6	TP-9 6-8 ft				
7				0.0	
8		7.5-12.7	Brown and orange clay with silt, trace subangular pebbles, firm, low plasticity, red oxide, moist		
9				0.0	
10					
11				0.0	
12	TP-9 12 ft			0.0	
13					Terminated at 12.7 ft bgs
14					
15					

Notes:

Test Pit dimentions 9 ft long by 6 ft wide

Fill to 7.5 ft bgs

bgs = Below Ground Surface
NA = Not Applicable
ft = Feet

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

kcpm = kilo counts per minute

LaBella
Powered by partnership.

TEST PIT LOG

Test Pit No.	TP-10
Sheet	1 of 1
Project No.:	2253075
Chkd By:	A. Zebrowski
Start Date:	7/10/2025
Finish Date:	7/10/2025

Project Name:	NYSDEC BCP Site # C915365		
Location:	9 Lakeview Avenue, Buffalo, New York 14201		
Client:	Buffalo Lakeview LLC		
Contractor:	LaBella Environmental, LLC	**Operator:**	Bill Smith

Key:

Geologic Strata Change

Gradation Change Within Strata

End of Test Pit

Equipment:	CAT 305.5ECr/CAT314E		
Logged By:	S. Campana / A. Moskaluk	**Time Start:**	12:40
LaBella Rep.	S. Campana / A. Moskaluk	**Time End:**	13:45

Test Pit Location:

Depth (ft)	Sample Number / ID	Depth of Change (ft)	VISUAL-MANUAL MATERIAL DESCRIPTION trace (1 - 10%), little (11 - 20%), some (21 - 35%), and (36-50%); WOH = weight of hammer ; WOR = weight of rod	PID (parts per million)	Notes
1	SS-4	0-4	Orange-brown, clay and trace silts, slag, concrete, bricks, moist	0.0	
2					
3				0.0	
4		4-8	Dark brown-black, clay with sands, trace silts, moist, trace pebbles, moist		
5				0.4	
6	TP-10 6-8 ft				
7				171.5	
8		8-10	Light brown, clay with trace silt, well sorted, medium plasticity, moist		
9				0.5	
10		10-14.8	Brown reddish clay, trace silt, trace angular pebbles, medium plasticity, moist		
11				0.3	
12	TP-10 12-14 ft				
13					
14				3.1	
15					Terminated at 14.8 ft bgs

Notes:

Test Pit dimentions 13 ft by 6 ft

Fill to 4 ft bgs

Suspect petroleum-type odors between 4 and 6 ft bgs

bgs = Below Ground Surface
NA = Not Applicable
ft = Feet

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

kcpm = kilo counts per minute

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TEST PIT LOG

Test Pit No.	TP-11
Sheet	1 of 1
Project No.:	2253075
Chkd By:	A. Zebrowski
Start Date:	7/10/2025
Finish Date:	7/10/2025

Project Name:	NYSDEC BCP Site # C915365		
Location:	9 Lakeview Avenue, Buffalo, New York 14201		
Client:	Buffalo Lakeview LLC		
Contractor:	LaBella Environmental, LLC	**Operator:**	Bill Smith

Key:

Geologic Strata Change

Gradation Change Within Strata

End of Test Pit

Equipment:			
Logged By:	S. Campana / A. Moskaluk	**Time Start:**	14:05
LaBella Rep.	S. Campana / A. Moskaluk	**Time End:**	14:54

Test Pit Location:

Depth (ft)	Sample Number / ID	Depth of Change (ft)	VISUAL-MANUAL MATERIAL DESCRIPTION trace (1 - 10%), little (11 - 20%), some (21 - 35%), and (36-50%); WOH = weight of hammer ; WOR = weight of rod	PID (parts per million)	Notes
1	SS-5	0-4	Black and light grey coarse-med sand, contains silt, loose, very granular, dry	0.0	
2					
3				0.0	
4		4-6	Silty sand, trace pebbles, orange and black, very granular, loose material, dry		
5				0.0	
6	TP-11 6-8ft	6-9	Brown and red, clays some fine sand and silt, moist		
7				0.2	
8					
9		9-13.6	Brown and red clays, trace sub angular pebbles, moist, stiff	0.0	
10					
11				0.0	
12					
13				0.0	
14					Terminated at 13.6 ft bgs
15					

Notes:

Test Pit dimentions 13 ft by 5 ft

Fill material to 6 ft bgs

bgs = Below Ground Surface
NA = Not Applicable
ft = Feet

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

kcpm = kilo counts per minute

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TEST PIT LOG

Test Pit No.	TP-12
Sheet	1 of 1
Project No.:	2253075
Chkd By:	A. Zebrowski
Start Date:	7/11/2025
Finish Date:	7/11/2025

Project Name:	NYSDEC BCP Site # C915365		
Location:	9 Lakeview Avenue, Buffalo, New York 14201		
Client:	Buffalo Lakeview LLC		
Contractor:	LaBella Environmental, LLC	**Operator:**	Bill Smith

Key:

Geologic Strata Change

Gradation Change Within Strata

End of Test Pit

Equipment:	CAT305.5E/CAT 314E		
Logged By:	S. Campana / A. Moskaluk	**Time Start:**	11:50
LaBella Rep.	S. Campana / A. Moskaluk	**Time End:**	12:30

Test Pit Location:

Depth (ft)	Sample Number / ID	Depth of Change (ft)	VISUAL-MANUAL MATERIAL DESCRIPTION trace (1 - 10%), little (11 - 20%), some (21 - 35%), and (36-50%); WOH = weight of hammer ; WOR = weight of rod	PID (parts per million)	Notes
1	TP-12 3-5	0-1	Concrete		
2		1-5	Black sand and silt, angular pebbles, bricks, timbers, tuff materials, moist	0.0	
3					
4				0.0	
5		5-9	Grey and red clay, trace sand and pebbles, firm, grey inclusions, moist		
6				0.0	
7					
8				0.0	
9		9-12.2	Sandy clay, trace angular pebbles, orange and reddish brown, loamy and very gritty, moist		
10				0.0	
11					
12				0.0	
13					Terminated at 12.2 ft bgs
14					
15					

Notes:

Test Pit dimentions 14 ft by 5 ft

Clay tile pipe encoutered 2.5-3 ft bgs. No liquid in pipe.

Fill material to 5 ft bgs

bgs = Below Ground Surface
NA = Not Applicable
ft = Feet

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

kcpm = kilo counts per minute

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TEST PIT LOG

Test Pit No.	TP-13
Sheet	1 of 1
Project No.:	2253075
Chkd By:	A. Zebrowski
Start Date:	7/11/2025
Finish Date:	7/11/2025

Project Name:	NYSDEC BCP Site # C915365		
Location:	9 Lakeview Avenue, Buffalo, New York 14201		
Client:	Buffalo Lakeview LLC		
Contractor:	LaBella Environmental, LLC	**Operator:**	Bill Smith

Key:

Geologic Strata Change

Gradation Change Within Strata

End of Test Pit

Equipment:	CAT 314E		
Logged By:	S. Campana / A. Moskaluk	**Time Start:**	11:50
LaBella Rep.	S. Campana / A. Moskaluk	**Time End:**	1:00

Test Pit Location:

Depth (ft)	Sample Number / ID	Depth of Change (ft)	VISUAL-MANUAL MATERIAL DESCRIPTION trace (1 - 10%), little (11 - 20%), some (21 - 35%), and (36-50%); WOH = weight of hammer ; WOR = weight of rod	PID (parts per million)	Notes
1	TP-13 3-5	0-1	Concrete		
2		1-3	Silt, brick, concrete, black and dark brown, moist	0.0	
3					
4		3-5	Clay, trace sand and subangular pebbles. reddish brown-orange, moist	0.0	
5					
6		5-12.3	Clay with little sand, trace subangular pebbles, gritty, brown-orange, moist	0.0	
7					
8				0.0	
9					
10				0.0	
11					
12				0.0	
13					Terminated at 12.3 ft bgs
14					
15					

Notes:

Test Pit dimentions 13 ft by 4 ft

Clay tile pipe encoutered 3.5 ft bgs. No liquid in pipe.

Fill material to 5 ft bgs

bgs = Below Ground Surface
NA = Not Applicable
ft = Feet

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

kcpm = kilo counts per minute

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TEST PIT LOG

Test Pit No.	TP-14
Sheet	1 of 1
Project No.:	2253075
Chkd By:	A. Zebrowski
Start Date:	7/11/2025
Finish Date:	7/11/2025

Project Name:	NYSDEC BCP Site # C915365
Location:	9 Lakeview Avenue, Buffalo, New York 14201
Client:	Buffalo Lakeview LLC
Contractor:	LaBella
Operator:	Bill Smith

Key:

_____ Geologic Strata Change

\- Gradation Change Within Strata

_____ End of Test Pit

Equipment:	CAT 305.5ECr/CAT 314E		
Logged By:	S. Campana / A. Moskaluk	**Time Start:**	8:30
LaBella Rep.	S. Campana / A. Moskaluk	**Time End:**	11:15

Test Pit Location:

Depth (ft)	Sample Number / ID	Depth of Change (ft)	VISUAL-MANUAL MATERIAL DESCRIPTION trace (1 - 10%), little (11 - 20%), some (21 - 35%), and (36-50%); WOH = weight of hammer ; WOR = weight of rod	PID (parts per million)	Notes
1	SS-6	0-4	Sand and silt, slag, brick, cinders, loose, black to dark brown, dry	0.0	
2	TP-14 2-4 ft Dup 1 2-4 ft				
3				0.0	
4		4-10	Clay, trace subangular pebbles, reddish brown, grey inclusions, moist		
5				0.0	
6					
7				0.0	
8					
9				0.0	
10		10-12.7	Sandy clay, trace pebbles, grey red, loamy and very gritty, moist		
11				0.0	
12					
13					Terminated at 12.7 ft bgs
14					
15					

Notes:

Test Pit dimentions 11 ft by 6 ft

Encoutered yellow gas line at 4 ft bgs. Confirmed by National Fuel. Migrated Test Pit 5 feet north of proposed location.

Fill material to 5 ft bgs

bgs = Below Ground Surface
NA = Not Applicable
ft = Feet

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

kcpm = kilo counts per minute

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TEST PIT LOG

Test Pit No.	TP-15
Sheet	1 of 1
Project No.:	2253075
Chkd By:	A. Zebrowski
Start Date:	7/11/2025
Finish Date:	7/11/2025

Project Name:	NYSDEC BCP Site # C915365		
Location:	9 Lakeview Avenue, Buffalo, New York 14201		
Client:	Buffalo Lakeview LLC		
Contractor:	LaBella Environmental, LLC	**Operator:**	Bill Smith

Key:

Geologic Strata Change

Gradation Change Within Strata

End of Test Pit

Equipment:			
Logged By:	S. Campana / A. Moskaluk	**Time Start:**	11:15
LaBella Rep.	S. Campana / A. Moskaluk	**Time End:**	12:15

Test Pit Location:

Depth (ft)	Sample Number / ID	Depth of Change (ft)	VISUAL-MANUAL MATERIAL DESCRIPTION trace (1 - 10%), little (11 - 20%), some (21 - 35%), and (36-50%); WOH = weight of hammer ; WOR = weight of rod	PID (parts per million)	Notes
1		0-0.5	Concrete		
2	TP-15 2-3 MS T-15 2-3 MSD TP-15 2-3	0.5-3	Cinders, ash, bricks, glass, gravel, sand, black, moist	0.0	
3		3-4	Stiff silty clay with trace sand, soft, low plasticity, brown to light brown, moist	0.0	
4		4-13.1	Silty clay, firm to very firm, low plasticity, brown to reddish brown, some grey mottling, moist		
5				0.0	
6					
7				0.0	
8					
9				0.0	
10					
11				0.0	
12					
13				0.0	Terminated at 13.1 ft bgs
14					
15					

Notes:

Test pit in concrete former parking area. Breaker attachment used to demo section of concrete.

Test Pit dimentions 13 ft by 4 ft

Fill material to 3 ft bgs

bgs = Below Ground Surface
NA = Not Applicable
ft = Feet

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

kcpm = kilo counts per minute

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TEST PIT LOG

Test Pit No.	EXP-1
Sheet	1 of 1
Project No.:	2253075
Chkd By:	A. Zebrowski
Start Date:	7/11/2025
Finish Date:	7/11/2025

Project Name:	NYSDEC BCP Site # C915365
Location:	9 Lakeview Avenue, Buffalo, New York 14201
Client:	Buffalo Lakeview LLC
Contractor:	LaBella Environmental, LLC
Operator:	Brent Miller

Key:

Geologic Strata Change

Gradation Change Within Strata

End of Test Pit

Equipment:	CAT 357E		
Logged By:	S. Campana / A. Moskaluk	**Time Start:**	10:15
LaBella Rep.	S. Campana / A. Moskaluk	**Time End:**	11:00

Test Pit Location:

Depth (ft)	Sample Number / ID	Depth of Change (ft)	VISUAL-MANUAL MATERIAL DESCRIPTION trace (1 - 10%), little (11 - 20%), some (21 - 35%), and (36-50%); WOH = weight of hammer ; WOR = weight of rod	PID (parts per million)	Notes
1		0-3.5	Sand-gravel with silt, ash, slag, glass and brick, black, dry	0.4	
2					
3				0.2	
4		3.5-6	Silty clay, low plasticity, brown to reddish brown, moist		
5				0.2	
6					Terminated at 6 ft bgs
7					
8					
9					
10					
11					
12					
13					
14					
15					

Notes:

Test Pit dimentions 20 ft long by 20 ft wide

Fill to 3.5 ft bgs

bgs = Below Ground Surface
NA = Not Applicable
ft = Feet

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

kcpm = kilo counts per minute

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TEST PIT LOG

Test Pit No.	EXP-2
Sheet	1 of 1
Project No.:	2253075
Chkd By:	A. Zebrowski
Start Date:	7/11/2025
Finish Date:	7/11/2025

Project Name:	NYSDEC BCP Site # C915365		
Location:	9 Lakeview Avenue, Buffalo, New York 14201		
Client:	Buffalo Lakeview LLC		
Contractor:	LaBella Environmental, LLC	**Operator:**	Brent Miller

Key:

Geologic Strata Change

Gradation Change Within Strata

End of Test Pit

Equipment:			CAT 314E
Logged By:	S. Campana / A. Moskaluk	**Time Start:**	15:00
LaBella Rep.	S. Campana / A. Moskaluk	**Time End:**	15:50

Test Pit Location: Immediately adjacent to EXP 1, continue search fo USTS and pipes

Depth (ft)	Sample Number / ID	Depth of Change (ft)	VISUAL-MANUAL MATERIAL DESCRIPTION trace (1 - 10%), little (11 - 20%), some (21 - 35%), and (36-50%); WOH = weight of hammer ; WOR = weight of rod	PID (parts per million)	Notes
1		0-3.5	Slag, cinders, ash, concrete, brick, glass, black, moist	0.8	
2					
3				1.8	
4	EXP-2 2-4 ft	3.5-5.5	Silty clay, low plasticity, brown to some reddish brown, moist		
5				0.5	
6					Terminated at 5.5 ft bgs
7					
8					
9					
10					
11					
12					
13					
14					
15					

Notes:

Test Pit dimentions 20 ft long by 15 ft wide

Fill to 3.5 ft bgs

bgs = Below Ground Surface
NA = Not Applicable
ft = Feet

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

kcpm = kilo counts per minute

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TEST PIT LOG

Test Pit No.	EXP-3
Sheet	1 of 1
Project No.:	2253075
Chkd By:	A. Zebrowski
Start Date:	7/11/2025
Finish Date:	7/11/2025

Project Name:	NYSDEC BCP Site # C915365
Location:	9 Lakeview Avenue, Buffalo, New York 14201
Client:	Buffalo Lakeview LLC
Contractor:	LaBella Environmental, LLC
Operator:	Brent Miller

Key:

- Geologic Strata Change
- Gradation Change Within Strata
- End of Test Pit

Equipment:	CAT 314E		
Logged By:	S. Campana / A. Moskaluk	**Time Start:**	8:00
LaBella Rep.	S. Campana / A. Moskaluk	**Time End:**	12:00

Test Pit Location: Southwest of former Motor Freight station

Depth (ft)	Sample Number / ID	Depth of Change (ft)	VISUAL-MANUAL MATERIAL DESCRIPTION trace (1 - 10%), little (11 - 20%), some (21 - 35%), and (36-50%); WOH = weight of hammer ; WOR = weight of rod	PID (parts per million)	Notes
1		0-3	Ash, cinders, slag, bricks, large concrete blocks	0.5	
2					
3		3-8	Silty clay, crushed stone, slag, low plasticity, medium stiff, brown, moist	0.7	
4					
5				79	
6					
7	EXP-3 7-8 ft			424	
8		8-10	Silty clay, low plasticity, med stiff, brown, moist		
9				224	
10					
11	EXP-3 10-11 ft	10-11	Silty clay, low plasticity, med stiff, brown, moist	40	
12					Terminated at 11 ft bgs
13					
14					
15					

Notes:

Test Pit dimentions 20 ft long by 15 ft wide

Fill to 8 ft bgs

2-inch steel pipes encountered at nortwest corner of concrete slab at 2 ft bgs. Run 20 ft west then terminate.

Suspect petorluem type odors 4-8 ft bgs

bgs = Below Ground Surface
NA = Not Applicable
ft = Feet

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

kcpm = kilo counts per minute

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300 PEARL STREET, BUFFALO, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
9 Lakeview Ave
Buffalo Lakeview LLC
Project #2253075

BORING: MW-1
SHEET 1 of 2
JOB:
CHKD BY: A. Zebrowski
DATE: 8/9/2025

CONTRACTOR: LaBella Env. LLC
DRILLER: Victor Thompson
LABELLA REPRESENTATIVE: Armand Moskaluk
BORING LOCATION: 9 Lakeview Ave
GROUND SURFACE ELEVATION NA
START DATE: 8/9/25 8/9/2025
TIME: 12:30 TO 14:45
DATUM: NA
WEATHER: Overcast

TYPE OF DRILL RIG: D-50
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Auger
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Notes
0	44		0-6	Light brown, organics, silt with clay, trace gravel, dry	0.0	
1						
2						
3					0.1	
4						
5					0.3	
6	37		6-10	Silt with clay, dark brown to light brown, firm trace gravel, semimoist		
7					0.4	
8						
9					0.1	
10	35	MW-1 10-12	10-16	Dark brown, silt with clay, trace black gravel, moist		
11					0.7	
12						
13					0.0	
14						
15	40				0.4	
16			16-20	Light grey, clay contains silt, trace gravel moist		
17					0.0	
18						
19					0.0	
20						

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
				26.5 ft bgs	none

NOTES:
Refusal at 26.5 ft bgs
No well installed and backfill with cuttings
Fill material to 6 ft bgs

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

bgs = Below Ground Surface
NA = Not Applicable
ft = Feet
kcpm = kilo counts per minute

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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300 PEARL STREET, BUFFALO, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
9 Lakeview Ave
Buffalo Lakeview LLC

BORING: MW-1
SHEET 2 of 2
JOB:
CHKD BY: A. Zebrowski
DATE: 8/9/2025

CONTRACTOR: LaBella Env. LLC
DRILLER:
LABELLA REPRESENTATIVE: Armand Moskaluk
BORING LOCATION: Lakeview Ave
GROUND SURFACE ELEVATION NA
START DATE: 8/9/25 8/9/2025
TIME: 12:30 TO 2:15
DATUM: NA
WEATHER: Overcast

TYPE OF DRILL RIG: D-50
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Auger
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Notes
20			20-24	Light brown, streaks of grey, moist, very coheisve fine sands with clay.		
21					0.0	
22	34					
23					0.0	
24						
25	0			no recovery	NA	
26						Refusal at 26.5 ft bgs
27						
28						
29						
30						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Refusal at 26.5 ft bgs
						No well installed and backfill with cuttings
				26.5 ft bgs	none	Fill material to 6 ft bgs

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

bgs = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
ft = Feet	little = 10 - 20%	F = Fine	SR = Subrounded
kcpm = kilo counts per minute	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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300 PEARL STREET, BUFFALO, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
9 Lakeview Ave
Buffalo Lakeview LLC
Project #2253075

BORING: MW-2
SHEET 1 of 2
JOB:
CHKD BY: A. Zebrowski
DATE: 8/9/2025

CONTRACTOR: LaBella Env. LLC
DRILLER:
LABELLA REPRESENTATIVE: Armand Moskaluk
BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 8/9/25 8/9/2025
TIME: 7:00 TO 9:15
DATUM: NA
WEATHER: Overcast

TYPE OF DRILL RIG: D-50
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Auger
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Notes
0						
1	41		0-2	Light brown, silt with gravel, dry, loose, organics, trace bricks and asphalt	0.0	
2						
3			2-6	Silt and fine sands, loose, trace gravel, dry	0.0	
4						
5	34				0.0	
6		MW-2 6-8		Silt contains fine sands, black, dry-semi dry, loose, trace gravel		
7			6-10		0.0	
8						
9	28				0.0	
10		MW-2 10-12		Black to brown, silt with clay, trace gravel, moist- semidry		
11			10-14		0.0	
12						
13	38				0.0	
14				Brown to light brown silt with clays, trace gravel, moist to semi-moist		
15					0.0	
16			14-16			
17					0.0	
18	34					
19					0.0	
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Refusal at 27.5 ft bgs
				27.5 ft bgs	none	No well installed and backfill with cuttings
						Fill material to 2 ft bgs

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

bgs = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
ft = Feet	little = 10 - 20%	F = Fine	SR = Subrounded
kcpm = kilo counts per minute	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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300 PEARL STREET, BUFFALO, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
9 Lakeview Ave
Buffalo Lakeview LLC

BORING: MW - 2
SHEET 2 of 2
JOB:
CHKD BY: A. Zebrowski
DATE: 8/9/2025

CONTRACTOR: LaBella Env. LLC
DRILLER:
LABELLA REPRESENTATIVE: Armand Moskaluk
BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 8/9/25 8/9/2025
TIME: 7:00 to 9:15
DATUM: NA
WEATHER: Overcast

TYPE OF DRILL RIG:D-50
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Auger split spoon
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Notes
20	30		20-26	Clay with silt, moist, trace gravel, orange and brown	0.0	
21						
22					0.0	
23						
24	14				0.0	
25						
26			26-27.5	Grey, clay trace gravel, firm cohesive, moist		
27					0.0	
28						Refusal at 27.5 ft bgs
29						
30						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Refusal at 27.5 ft bgs No well installed and backfill with cuttings Fill material to 2 ft bgs
				27.6 ft bgs	none	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

bgs = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
ft = Feet	little = 10 - 20%	F = Fine	SR = Subrounded
kcpm = kilo counts per minute	trace = 1 - 10%	VF = Very Fine	SA = Subangular

BORING: MW - 2

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300 PEARL STREET, BUFFALO, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
9 Lakeview Ave
Buffalo Lakeview LLC
Project 2251277

BORING: MW-3
SHEET 1 of 2
JOB:
CHKD BY: A. Zebrowski
DATE: 8/12/2025

CONTRACTOR: LaBella Env. LLC
DRILLER:
LABELLA REPRESENTATIVE: Armand Moskaluk
BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 8/12/25 8/12/2025
TIME: 10:00 TO 11:00
DATUM: NA
WEATHER: Overcast

TYPE OF DRILL RIG: D-50
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Auger
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Notes
0	21		0-2	Black, silt, slag, bricks, gravel, dry, loose	2.7	
1						
2		MW-3 4-6	2-6	Brown to dark brown, slag, bricks, gravel, dry loose	0.8	
3						
4	28				5.5	
5						
6			6-12	Brown and orange, silt and clay, trace gravel, dry, loose	0.2	
7						
8	30				0.0	
9						
10					0.1	
11						
12	36		12-16	Brown and orange, clay, some silt, cohesive, moist, frim	0.2	
13						
14					0.3	
15						
16	34		16-20	Clay, little fine sand, moist, light grey, firm	0.0	
17						
18					0.0	
19						
20					0.0	

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Refusal at 25.5 ft bgs
				25.5 ft bgs	none	No groundwater no well installed
						Fill material to 6 ft bgs

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

bgs = Below Ground Surface
NA = Not Applicable
ft = Feet
kcpm = kilo counts per minute

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
9 Lakeview Ave
Buffalo Lakeview LLC
Project 2251277

BORING: MW - 3
SHEET 2 of 2
JOB:
CHKD BY: A. Zebrowski
DATE: 8/12/2025

CONTRACTOR: LaBella Env. LLC
DRILLER:
LABELLA REPRESENTATIVE: Armand Moskaluk
BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 8/12/25 8/12/2025
TIME: 10:00 TO 11:00
DATUM: NA
WEATHER: Overcast

TYPE OF DRILL RIG: D-50
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Auger
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Notes
20	13		0-25.5	Clay, grey, firm, moist, trace gravel, grey and streaks of orange	0.0	
21						
22					0.0	
23						
24	poor				0.0	
25						
26						Refusal at 25.5 ft bgs
27						
28						
29						
30						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Refusal at 25.5 ft bgs
				25.5 ft bgs	none	No groundwater no well installed
						Fill material to 6 ft bgs

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

bgs = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
ft = Feet	little = 10 - 20%	F = Fine	SR = Subrounded
kcpm = kilo counts per minute	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
9 Lakeview Ave
Buffalo Lakeview LLC
Project 2251277

BORING: MW-4
SHEET 1 of 2
JOB:
CHKD BY: A. Zebrowski
DATE: 8/12/2025

CONTRACTOR: LaBella Env. LLC
DRILLER:
LABELLA REPRESENTATIVE: Armand Moskaluk
BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 8/12/25 8/12/2025
TIME: 13:00 TO 13:30
DATUM: NA
WEATHER: Overcast

TYPE OF DRILL RIG: D-50
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Auger
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Notes
0			0-0.7	Concrete pad		
1	30		0.7-8	Black to brown, silt contains sand, trace angular gravel, loose, dry	0.0	
2						
3					0.0	
4						
5	26				0.0	
6						
7					0.0	
8	27	MW-4 8-10		Brown, clay contains silts, trace gravel, loose, semi-dry		
9					0.0	
10						
11					0.0	
12	29					
13					0.0	
14				Brown, clay, contains sand, trace angular gravel, firm, semi-moist		
15					0.0	
16	30					
17					0.0	
18				Brown, clay and sand, trace angular gravel, moist		
19					0.0	
20					0.0	

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Refusal at 27.5 ft bgs
				27.5 ft bgs	21 ft bgs	Groundwater well installed
						Fill material to 2 ft bgs

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

bgs = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
ft = Feet	little = 10 - 20%	F = Fine	SR = Subrounded
kcpm = kilo counts per minute	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
9 Lakeview Ave
Buffalo Lakeview LLC
Project 2251277

BORING: MW - 4
SHEET 2 of 2
JOB:
CHKD BY: A. Zebrowski
DATE: 8/12/2025

CONTRACTOR: LaBella Env. LLC
DRILLER:
LABELLA REPRESENTATIVE: Armand Moskaluk
BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 8/12/25 8/12/2025
TIME: 13:00 TO 13:30
DATUM: NA
WEATHER: Overcast

TYPE OF DRILL RIG: D-50
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Auger
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Notes
20			`	Brown, clay and sand, trace angular gravel, moist		
21	15				0.0	
22				Brown, clay some sands, trace angular gravel, moist		
23					0.0	
24		MW-4 24-26				
25	poor				0.0	
26				Dark brown, clay some sand, trace gravel, semi-wet		
27					0.0	
28						Refusal at 27.5 ft bgs
29						
30						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Refusal at 27.5 ft bgs
				27.5 ft bgs	21 ft bgs	Groundwater well installed
						Fill material (subbase) to 2 ft bgs

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

bgs = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
ft = Feet	little = 10 - 20%	F = Fine	SR = Subrounded
kcpm = kilo counts per minute	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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300 PEARL STREET, BUFFALO, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
9 Lakeview Ave
Buffalo Lakeview LLC
Project 2251277

BORING: MW-5
SHEET 1 of 2
JOB:
CHKD BY: A. Zebrowski
DATE: 8/13/2025

CONTRACTOR: LaBella Env. LLC
DRILLER:
LABELLA REPRESENTATIVE: Armand Moskaluk
BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 8/13/25 8/13/2025
TIME: 9:00 TO 10:00
DATUM: NA
WEATHER: Overcast

TYPE OF DRILL RIG: D-50
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Auger
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Notes
0	28		0-2	Black, sand and silt, med sand, trace gravel, loose, semi-moist	0.0	
1						
2		MW-5 4-6	2-6	Brown and orangae, grey streaks, silt with clay, trace gravel, firm, semi-moist	0.0	
3						
4	35				0.0	
5						
6			6-12	Light brown, grey streaks, clays and silt, firm, semi-moist	0.0	
7						
8	31				0.0	
9						
10						
11					0.0	
12	27		12-16	Grey, clay some silts, trace sands, firm cohesive, moist	0.0	
13						
14						
15					0.0	
16	29		16-20	Grey, clay some silt, trace pebbles, firm, cohesive	0.0	
17						
18						
19					0.0	
20					0.0	

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Refusal at 24.5 ft bgs
				24.5 ft bgs	none	No Groundwater, No well installed
						Fill material to 4 ft bgs

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

bgs = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
ft = Feet	little = 10 - 20%	F = Fine	SR = Subrounded
kcpm = kilo counts per minute	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
9 Lakeview Ave
Buffalo Lakeview LLC
Project 2251277

BORING: MW - 5
SHEET 2 of 2
JOB:
CHKD BY: A. Zebrowski
DATE: 8/13/2025

CONTRACTOR: LaBella Env. LLC
DRILLER:
LABELLA REPRESENTATIVE: Armand Moskaluk
BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 8/13/25 8/13/2025
TIME: 9:00 TO 10:00
DATUM: NA
WEATHER: Overcast

TYPE OF DRILL RIG: D-50
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Auger
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Notes
20	12		0-25.6	Grey, clay, some silt, trace gravel, firm cohesive, moist	0.0	
21						
22					0.0	
23						
24	poor				0.0	
25						Refusal at 24.5 ft bgs
26						
27						
28						
29						
30						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Refusal at 24.5 ft bgs
				24.5 ft bgs	none	No Groundwater No well installed
						Fill material to 4 ft bgs

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

bgs = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
ft = Feet	little = 10 - 20%	F = Fine	SR = Subrounded
kcpm = kilo counts per minute	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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300 PEARL STREET, BUFFALO, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
9 Lakeview Avenue
Buffalo Lakeview LLC
Project #2253075

BORING: SB-1
SHEET 1 of 1
JOB: 2253075
CHKD BY: A. Zebrowski
DATE: 8/12/2025

CONTRACTOR: LaBella Env. LLC
DRILLER: Victor Thompson
LABELLA REPRESENTATIVE: Armand Moskaluk
BORING LOCATION: 9 Lakeview Avenue
GROUND SURFACE ELEVATION NA
START DATE: 8/12/25
TIME: 8:30 TO 10:00
DATUM: NA
WEATHER: Sunny 80 degrees

TYPE OF DRILL RIG: D-50
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Auger
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (ft bgs)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (ft bgs)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Notes
0	34		0-2	Brown and black silt with clay, ash, organics, root, loose, dry	0.0	
1						
2			2-5	Brown and orange silt with clay, trace gravel, dry	0.0	
3						
4					0.0	
5	24					
6					0.0	
7		SB-01 6-8				
8					0.0	
9			8.5-10	Brown and orange clay, little silt, trace gravel, dry		
10	27				0.0	
11						
12			12.5-15	Grey to brown clay, trace gravel, little silt, dry	0.0	
13						
14					0.0	
15				Terminated at 15 ft bgs		
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (ft bgs)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Fill to 2 ft bgs
				15	None	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

ft bgs = feet below ground surface
NA = Not Applicable
kcpm = kilo counts per minute
PPM = parts per million

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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300 PEARL STREET, BUFFALO, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
9 Lakeview Avenue
Buffalo Lakeview LLC
Project #2253075

BORING: SB-2
SHEET 1 of 1
JOB: 2253075
CHKD BY: A. Zebrowski
DATE: 8/12/2025

CONTRACTOR: LaBella Env. LLC
DRILLER: Victor Thompson
LABELLA REPRESENTATIVE: Armand Moskaluk
BORING LOCATION: 9 Lakeview Avenue
GROUND SURFACE ELEVATION NA
START DATE: 8/12/25
TIME: 11:00 TO 12:30
DATUM: NA
WEATHER: Sunny 80 degrees

TYPE OF DRILL RIG: D-50
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Auger
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (ft bgs)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (ft bgs)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Notes
0			0-2	Black and brown silt and sand, some gravel, ash, slag, glass, dry		
1					0.0	
2	19		2-4	Black and orange silt and sand, ash, glass, trace gravel, loose, dry		
3					0.1	
4			4-6	Orange and light brown, silt with little clay, loose, dry		
5					0.0	
6	27			Light brown silt with clay, firm, dry		
7					0.0	
8						
9					0.0	
10		SB-02 10-12	10-16	Light brown and orange clay, contains silt, firm, dry		
11					1.4	
12	30					
13					0.0	
14					0.4	
15				Terminated at 15 ft bgs		
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (ft bgs)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Fill to 6 ft bgs
				15	None	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

ft bgs = feet below ground surface
NA = Not Applicable
kcpm = kilo counts per minute
PPM = parts per million

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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300 PEARL STREET, BUFFALO, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
9 Lakeview Avenue
Buffalo Lakeview LLC
Project #2253075

BORING: SB-3
SHEET 1 of 1
JOB: 2253075
CHKD BY: A. Zebrowski
DATE: 8/13/2025

CONTRACTOR: LaBella Env. LLC
DRILLER: Victor Thompson
LABELLA REPRESENTATIVE: Armand Moskaluk
BORING LOCATION: 9 Lakeview Avenue
GROUND SURFACE ELEVATION NA
START DATE: 8/13/25
TIME: 7:30 TO 8:40
DATUM: NA
WEATHER: Sunny 80 degrees

TYPE OF DRILL RIG: D-50
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Auger
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (ft bgs)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (ft bgs)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Notes
0	21	SB-03 0-2	0-2	Black silt with med sand, asphalt, concrete, bricks, slag, semi-moist	37.7	
1						
2		SB-03 2-4	2-6	Brown to orange silt with clay, trace gravel, semi-moist	1.7	
3						
4					0.1	
5						
6	34		6-10	Brown to orange clay and silt, firm, semi-moist	0.0	
7						
8					0.0	
9						
10	20		10-15	Oranage and brown clay, contains silt, moist	0.0	
11						
12					0.0	
13						
14					0.0	
15				Terminated at 15 ft bgs		
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (ft bgs)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Fill to 2 ft bgs
				15	None	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

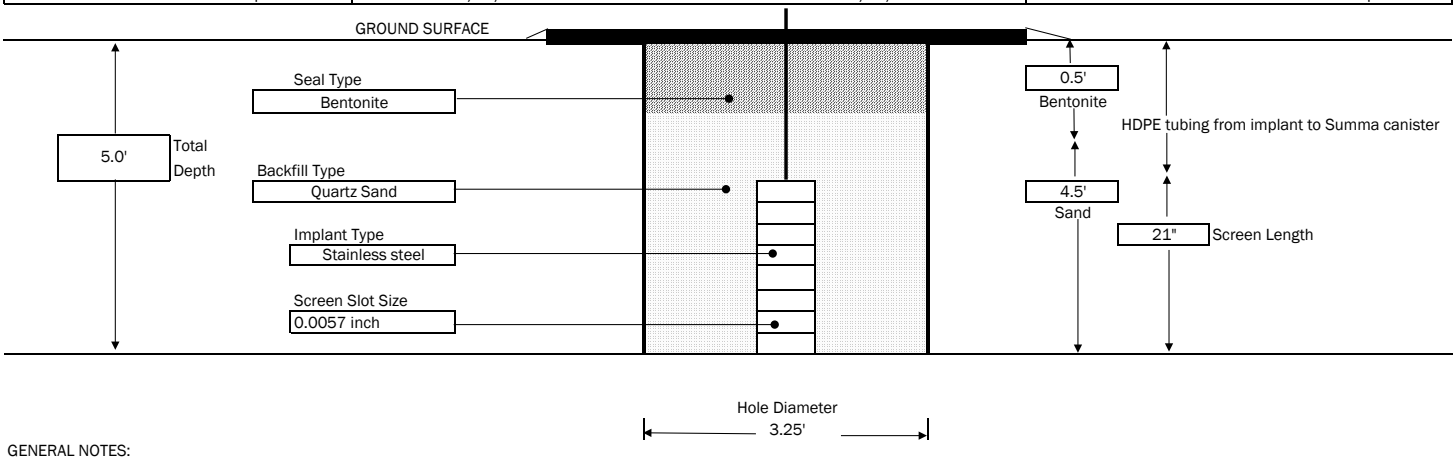
ft bgs = feet below ground surface
NA = Not Applicable
kcpm = kilo counts per minute
PPM = parts per million

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

LaBella Powered by partnership. 300 PEARL STREET, SUITE 130, BUFFALO, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**SOIL VAPOR CONSTRUCTION LOG** **PROJECT** Remedial Investigation Report 9 Lakeview Avenue Buffalo, New York	**SOIL VAPOR POINT:** SV-1 **SHEET :** 1 OF 1 **JOB # :** 2253075
CONTRACTOR: LaBella Environmental LLC DRILLER: K. Medley LABELLA REPRESENTATIVE: S. Campana	BORING LOCATION: SV-1 GROUND SURFACE ELEVATION: N/A DATUM N/A START DATE: 07/11/2025 END DATE: 07/11/2025	TYPE OF DRILL RIG: Geoprobe 7822 DRILL SIZE AND TYPE: Geoprobe DT325 OVERBURDEN SAMPLING METHOD: Direct-push



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

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300 PEARL STREET, SUITE 130, BUFFALO, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

SOIL VAPOR CONSTRUCTION LOG

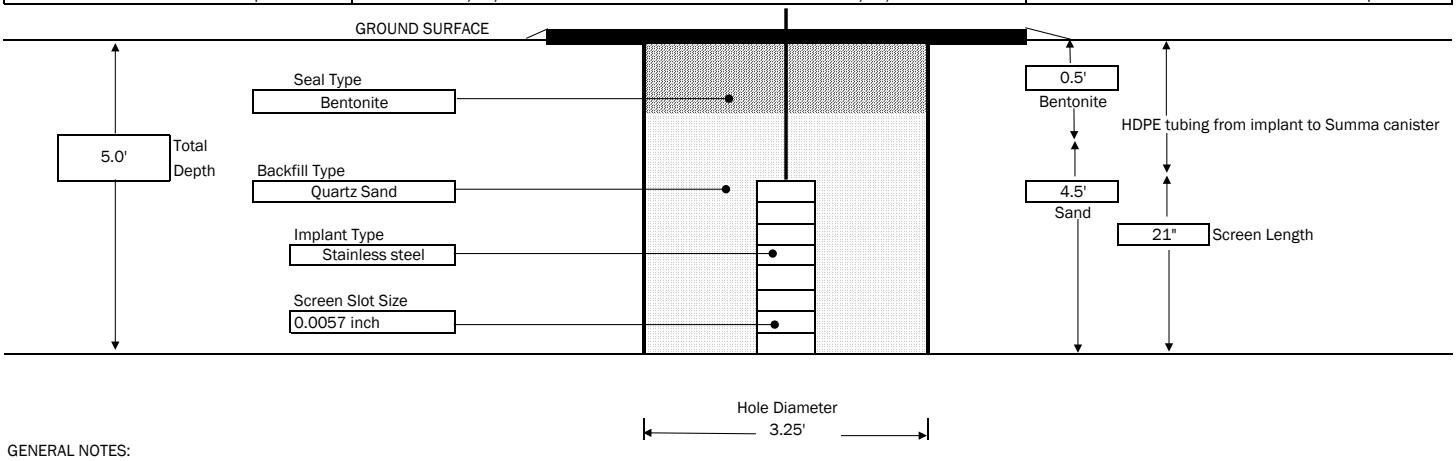
PROJECT
Remedial Investigation Report
9 Lakeview Avenue
Buffalo, New York

SOIL VAPOR POINT: SV-2

SHEET : 1 OF 1

JOB # : 2253075

CONTRACTOR: LaBella Environmental LLC	BORING LOCATION: SV-2	TYPE OF DRILL RIG: Geoprobe 7822
DRILLER: K. Medley	GROUND SURFACE ELEVATION: N/A DATUM N/A	DRILL SIZE AND TYPE: Geoprobe DT325
LABELLA REPRESENTATIVE: S. Campana	START DATE: 07/11/2025 END DATE: 07/11/2025	OVERBURDEN SAMPLING METHOD: Direct-push



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

LaBella
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300 PEARL STREET, SUITE 130, BUFFALO, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

SOIL VAPOR CONSTRUCTION LOG

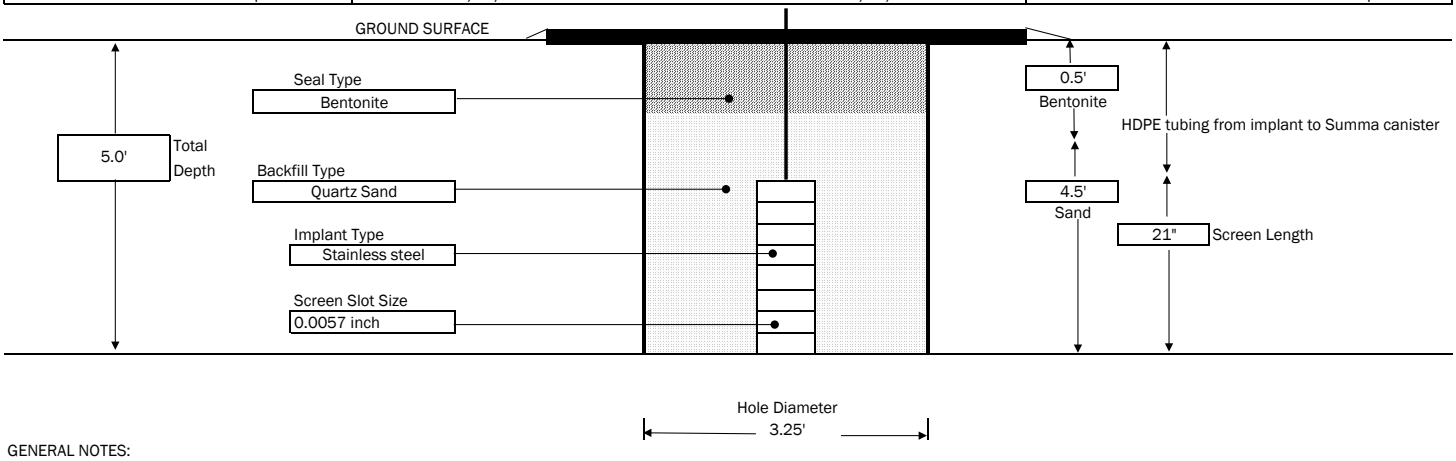
PROJECT
Remedial Investigation Report
9 Lakeview Avenue
Buffalo, New York

SOIL VAPOR POINT: SV-3

SHEET : 1 OF 1

JOB # : 2253075

CONTRACTOR: LaBella Environmental LLC	BORING LOCATION: SV-3	TYPE OF DRILL RIG: Geoprobe 7822
DRILLER: K. Medley	GROUND SURFACE ELEVATION: N/A DATUM N/A	DRILL SIZE AND TYPE: Geoprobe DT325
LABELLA REPRESENTATIVE: S. Campana	START DATE: 07/11/2025 END DATE: 07/11/2025	OVERBURDEN SAMPLING METHOD: Direct-push



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

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SOIL VAPOR CONSTRUCTION LOG

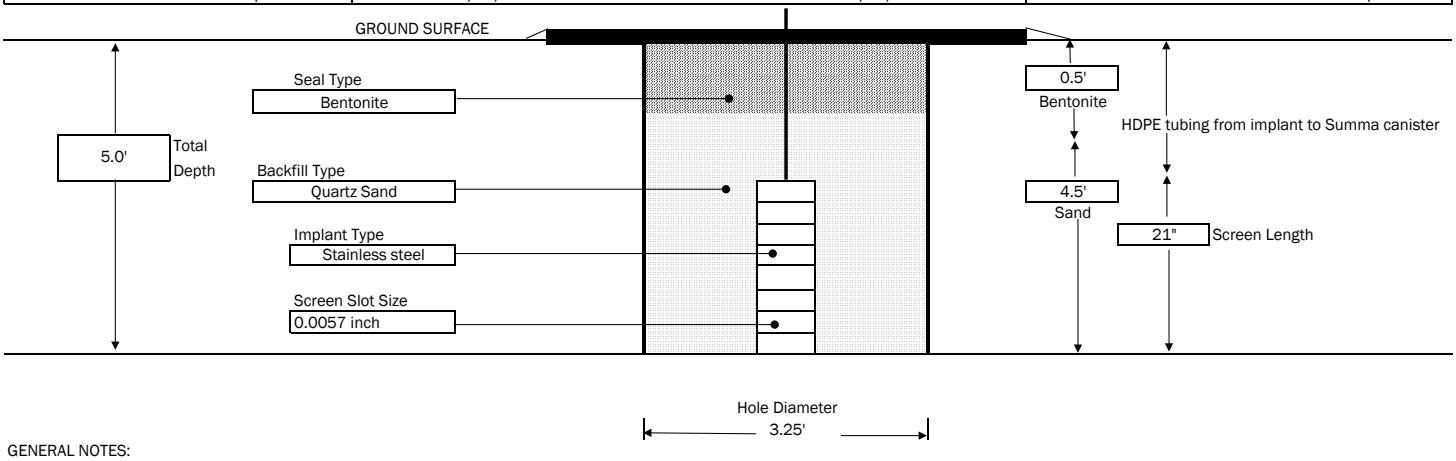
PROJECT
Remedial Investigation Report
9 Lakeview Avenue
Buffalo, New York

SOIL VAPOR POINT: SV-4

SHEET : 1 OF 1

JOB # : 2253075

CONTRACTOR: LaBella Environmental LLC	BORING LOCATION: SV-4	TYPE OF DRILL RIG: Geoprobe 7822
DRILLER: K. Medley	GROUND SURFACE ELEVATION: N/A DATUM N/A	DRILL SIZE AND TYPE: Geoprobe DT325
LABELLA REPRESENTATIVE: S. Campana	START DATE: 07/11/2025 END DATE: 07/11/2025	OVERBURDEN SAMPLING METHOD: Direct-push



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

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SOIL VAPOR CONSTRUCTION LOG

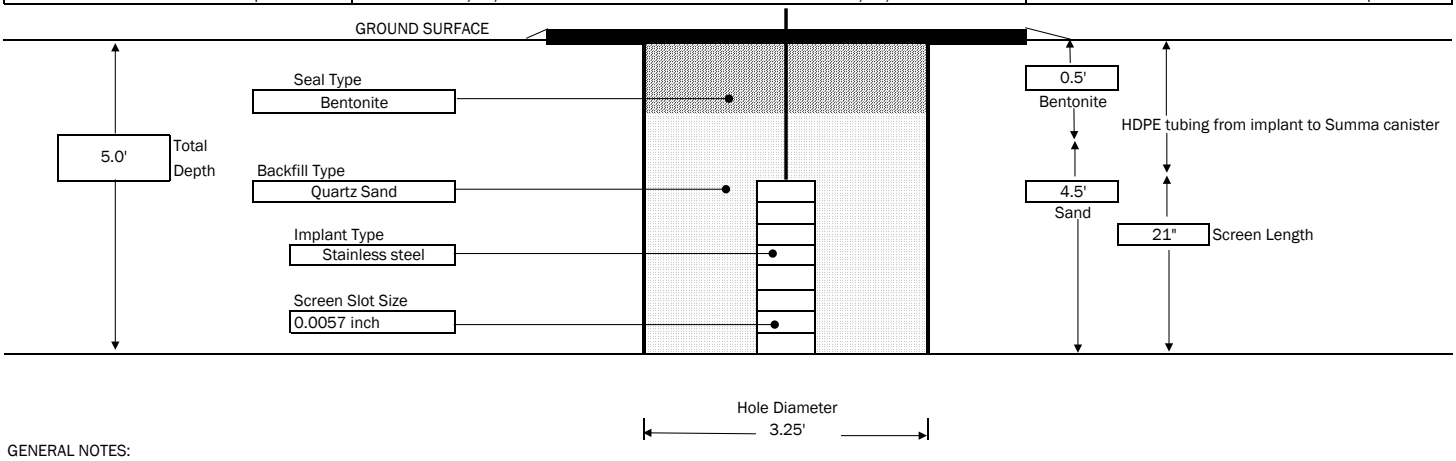
PROJECT
Remedial Investigation Report
9 Lakeview Avenue
Buffalo, New York

SOIL VAPOR POINT: SV-5

SHEET : 1 OF 1

JOB # : 2253075

CONTRACTOR: LaBella Environmental LLC	BORING LOCATION: SV-5	TYPE OF DRILL RIG: Geoprobe 7822
DRILLER: K. Medley	GROUND SURFACE ELEVATION: N/A DATUM N/A	DRILL SIZE AND TYPE: Geoprobe DT325
LABELLA REPRESENTATIVE: S. Campana	START DATE: 07/11/2025 END DATE: 07/11/2025	OVERBURDEN SAMPLING METHOD: Direct-push



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

APPENDIX 4:
LABORATORY ANALYTICAL RESULTS

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Adam Zebrowski
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 7/23/2025 12:40:07 PM

JOB DESCRIPTION

9 Lakeview Avenue Site,

JOB NUMBER

480-230990-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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7/23/2025 12:40:07 PM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-230990-1

Receipt
The samples were received on 7/10/2025 4:20 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.7º C and 5.2º C.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): TP-10 6-8FT (480-230990-9). The container labels list TP-10 4-6FT, while the COC lists TP-10 6-8FT. The client was contacted, and the lab was instructed to use the ID Listed on the COC.

Requested methods listed on coc did not match total number of containers and corresponding information listed on container labels. Containers received listed numerous methods that were not selected on coc. Sample was logged referencing methods listed on container labels.
SS-3 (480-230990-5)

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 751995 recovered above the upper control limit for 4-Methyl-2-pentanone (MIBK), 2-Hexanone, and 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:TP-10 6-8FT (480-230990-9).

Method 8260C: The continuing calibration verification (CCV) associated with batch 751995 recovered above the upper control limit for sec-Butylbenzene, N-Propylbenzene, and n-Butylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:TP-10 6-8FT (480-230990-9).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-752009 and analytical batch 480-751995 recovered outside control limits for the following analytes: 4-Methyl-2-pentanone (MIBK). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated sample is:TP-10 6-8FT (480-230990-9).

Method 8260C: The following sample was reported using medium level sample analysis to bring the concentration of target analytes within the calibration range: TP-10 6-8FT (480-230990-9). Elevated reporting limits (RLs) are provided.

Method 8260C: Internal standard (ISTD) response for the following sample was outside control limits: TP-7 2-3FT (480-230990-2). The sample(s) was re-extracted and/or re-analyzed and ISTD response was outside control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The following sample was diluted due to color, appearance, and viscosity: SS-1 (480-230990-1). Elevated reporting limits (RL) are provided.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-751756 recovered outside acceptance criteria, low biased, for 1,4-Dioxane, 2-Nitroaniline, 4-Nitrophenol and bis (2-chloroisopropyl) ether. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The following associated sample is impacted: SS-1 (480-230990-1).

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: TP-7 2-3FT (480-230990-2). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: SS-5 (480-230990-12). Elevated reporting limits (RL) are provided.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-752098 recovered outside acceptance criteria, low biased, for Hexachlorocyclopentadiene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The associated samples are:TP-10 6-8FT (480-230990-9), TP-10 12-14.8FT (480-230990-10), TP-11 6-8FT (480-230990-11) and SS-5 (480-230990-12).

Job ID: 480-230990-1 (Continued) Eurofins Buffalo

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-752098 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate and Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:TP-10 6-8FT (480-230990-9), TP-10 12-14.8FT (480-230990-10), TP-11 6-8FT (480-230990-11) and SS-5 (480-230990-12).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: The following samples appears to contain polychlorinated biphenyls (PCBs); however, due to the contributions of patterns from multiple Aroclors present, the PCBs in the samples do not directly match any of the laboratory's Aroclor standards used for instrument calibration: SS-1 (480-230990-1). The samples have been quantified and reported as aroclors 1260 which are the best overall Aroclor standards pattern match.

Method 8082A: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: SS-1 (480-230990-1) and TP-10 6-8FT (480-230990-9).

Method 8151A: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-1049772 and analytical batch 460-1049870 recovered outside control limits for the following analytes: Pentachlorophenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8151A: Surrogate 2,4-Dichlorophenylacetic acid recovery for the following sample was outside the upper control limit: SS-1 (480-230990-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8151A: The 2,4-Dichlorophenylacetic acid surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column due to matrix interference: TP-7 2-3FT (480-230990-2) and TP-10 6-8FT (480-230990-9). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Method 8081B: The following samples were diluted due to the nature of the sample matrix: SS-1 (480-230990-1), TP-7 2-3FT (480-230990-2) and TP-10 6-8FT (480-230990-9). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method 8081B: The method blank for preparation batch 480-751725 and analytical batch 480-752073 contained beta-BHC above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed. The following associated samples are impacted: SS-1 (480-230990-1), TP-7 2-3FT (480-230990-2), SS-4 (480-230990-8), TP-10 6-8FT (480-230990-9) and TP-10 12-14.8FT (480-230990-10).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010D: The laboratory control sample (LCS) for preparation batch 480-751682 and analytical batch 480-751900 recovered outside control limits for the following analytes: Thallium. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-751900 is outside the acceptance criteria for the following analytes: Silver, Calcium, and Zinc. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-751900 is outside the acceptance criteria for the following analytes: Silver. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-751900 is outside the acceptance criteria for the following analytes: Silver and Zinc. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-751914 is outside the acceptance criteria for the following analytes: Silver, Calcium, and Zinc. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

Job ID: 480-230990-1 (Continued) Eurofins Buffalo

Method 6010D: The linear range check (LRC) standard recovery associated with 480-751914 is outside the acceptance criteria for the following analytes: Silver and Zinc. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

Method 6010D: The method blank for preparation batch 480-751680 and analytical batch 480-751914 contained Barium above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-751979 is outside the acceptance criteria for the following analytes: Silver and Zinc. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

Method 6010D: The linear range check (LRC) standard recovery associated with 480-751979 is outside the acceptance criteria for the following analytes: Zinc. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method 3546: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SS-1 (480-230990-1), TP-7 2-3FT (480-230990-2), SS-4 (480-230990-8) and TP-10 6-8FT (480-230990-9).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: SS-1

Lab Sample ID: 480-230990-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	370	J	840	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	1700		840	120	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	1900		840	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	2800		840	110	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1500		840	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	1100		840	190	ug/Kg	5	☼	8270D	Total/NA
Chrysene	2200		840	200	ug/Kg	5	☼	8270D	Total/NA
Dibenz(a,h)anthracene	410	J	840	170	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	3600		840	150	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1200		840	120	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	1600		840	160	ug/Kg	5	☼	8270D	Total/NA
Pyrene	2500		840	160	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDT	20	J	33	7.8	ug/Kg	10	☼	8081B	Total/NA
PCB-1260	0.050		0.050	0.021	mg/Kg	1	☼	8082A	Total/NA
Perfluorobutanoic acid (PFBA)	0.39	J	0.40	0.10	ng/g	1	☼	1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	0.83		0.20	0.080	ng/g	1	☼	1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	0.61		0.20	0.050	ng/g	1	☼	1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.30		0.20	0.050	ng/g	1	☼	1633A	Total/NA
Perfluorooctanoic acid (PFOA)	0.37		0.20	0.11	ng/g	1	☼	1633A	Total/NA
Perfluorononanoic acid (PFNA)	0.32		0.20	0.050	ng/g	1	☼	1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.57		0.20	0.050	ng/g	1	☼	1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.28		0.20	0.050	ng/g	1	☼	1633A	Total/NA
Perfluorododecanoic acid (PFDoA)	0.24		0.20	0.050	ng/g	1	☼	1633A	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.077	J	0.20	0.050	ng/g	1	☼	1633A	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.10	J	0.20	0.050	ng/g	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.67		0.20	0.050	ng/g	1	☼	1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.9		0.40	0.10	ng/g	1	☼	1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.29	J	0.40	0.10	ng/g	1	☼	1633A	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.065	J	0.20	0.050	ng/g	1	☼	1633A	Total/NA
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.12	J	0.20	0.050	ng/g	1	☼	1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.48	J	1.0	0.25	ng/g	1	☼	1633A	Total/NA
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.34	J	1.0	0.25	ng/g	1	☼	1633A	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.25		0.20	0.050	ng/g	1	☼	1633A	Total/NA
Aluminum	13200		50.5	43.5	mg/Kg	5	☼	6010D	Total/NA
Arsenic	10.8		10.1	4.4	mg/Kg	5	☼	6010D	Total/NA
Barium	224	B	2.5	0.71	mg/Kg	5	☼	6010D	Total/NA
Beryllium	1.4		1.0	0.20	mg/Kg	5	☼	6010D	Total/NA
Cadmium	4.5		1.0	0.35	mg/Kg	5	☼	6010D	Total/NA
Calcium	76200		253	136	mg/Kg	5	☼	6010D	Total/NA
Chromium	646		2.5	1.8	mg/Kg	5	☼	6010D	Total/NA
Cobalt	9.1		2.5	0.51	mg/Kg	5	☼	6010D	Total/NA
Copper	491		5.1	2.9	mg/Kg	5	☼	6010D	Total/NA
Iron	98800		50.5	42.8	mg/Kg	5	☼	6010D	Total/NA
Lead	533		5.1	2.3	mg/Kg	5	☼	6010D	Total/NA
Magnesium	14800		101	42.8	mg/Kg	5	☼	6010D	Total/NA
Manganese	9540		5.1	1.4	mg/Kg	5	☼	6010D	Total/NA
Nickel	185		25.3	1.3	mg/Kg	5	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: SS-1 (Continued)
Lab Sample ID: 480-230990-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	1950		152	122	mg/Kg	5	☼	6010D	Total/NA
Selenium	5.2	J	20.2	4.0	mg/Kg	5	☼	6010D	Total/NA
Silver	1.4	J ^5-	3.0	1.0	mg/Kg	5	☼	6010D	Total/NA
Sodium	477	J	707	310	mg/Kg	5	☼	6010D	Total/NA
Vanadium	61.4		2.5	0.66	mg/Kg	5	☼	6010D	Total/NA
Zinc	933	^5- B	10.1	5.2	mg/Kg	5	☼	6010D	Total/NA
Mercury	0.077		0.020	0.0046	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP-7 2-3FT
Lab Sample ID: 480-230990-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	4.8	J	5.6	0.75	ug/Kg	1	☼	8260C	Total/NA
Benzo[a]anthracene	2700		2000	270	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	2500		2000	340	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	3000		2000	260	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1700	J	2000	340	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	2200		2000	440	ug/Kg	10	☼	8270D	Total/NA
Chrysene	2500		2000	470	ug/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	510	J	2000	400	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	4200		2000	360	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1600	J	2000	290	ug/Kg	10	☼	8270D	Total/NA
Pyrene	3400		2000	370	ug/Kg	10	☼	8270D	Total/NA
4,4'-DDT	20	J	40	9.3	ug/Kg	10	☼	8081B	Total/NA
Perfluorobutanoic acid (PFBA)	0.28	J	0.47	0.12	ng/g	1	☼	1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	0.97		0.24	0.095	ng/g	1	☼	1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	0.52		0.24	0.059	ng/g	1	☼	1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.31		0.24	0.059	ng/g	1	☼	1633A	Total/NA
Perfluorooctanoic acid (PFOA)	0.29		0.24	0.13	ng/g	1	☼	1633A	Total/NA
Perfluorononanoic acid (PFNA)	0.17	J	0.24	0.059	ng/g	1	☼	1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.13	J	0.24	0.059	ng/g	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.0		0.24	0.059	ng/g	1	☼	1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.97		0.47	0.12	ng/g	1	☼	1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.9		1.2	0.30	ng/g	1	☼	1633A	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.065	J	0.24	0.059	ng/g	1	☼	1633A	Total/NA
Aluminum	12800		12.1	10.4	mg/Kg	1	☼	6010D	Total/NA
Arsenic	7.3		2.4	1.1	mg/Kg	1	☼	6010D	Total/NA
Barium	437		0.61	0.17	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.61		0.24	0.048	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.68		0.24	0.085	mg/Kg	1	☼	6010D	Total/NA
Calcium	57600		605	327	mg/Kg	10	☼	6010D	Total/NA
Chromium	69.1		0.61	0.44	mg/Kg	1	☼	6010D	Total/NA
Cobalt	7.4		0.61	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	30.4		1.2	0.69	mg/Kg	1	☼	6010D	Total/NA
Iron	16700		12.1	10.3	mg/Kg	1	☼	6010D	Total/NA
Lead	1040		1.2	0.56	mg/Kg	1	☼	6010D	Total/NA
Magnesium	9410		24.2	10.3	mg/Kg	1	☼	6010D	Total/NA
Manganese	597		1.2	0.34	mg/Kg	1	☼	6010D	Total/NA
Nickel	16.7		6.1	0.30	mg/Kg	1	☼	6010D	Total/NA
Potassium	2710		36.3	29.3	mg/Kg	1	☼	6010D	Total/NA
Selenium	0.98	J	4.8	0.97	mg/Kg	1	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TP-7 2-3FT (Continued)
Lab Sample ID: 480-230990-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	206		169	74.2	mg/Kg	1	☼	6010D	Total/NA
Vanadium	29.4		0.61	0.16	mg/Kg	1	☼	6010D	Total/NA
Zinc	705	^5-	24.2	12.3	mg/Kg	10	☼	6010D	Total/NA
Mercury	0.40		0.025	0.0058	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-2
Lab Sample ID: 480-230990-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	220		180	28	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	70	J	180	35	ug/Kg	1	☼	8270D	Total/NA
Anthracene	100	J	180	33	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	460		180	25	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	350		180	31	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	590		180	24	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	290		180	32	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	230		180	41	ug/Kg	1	☼	8270D	Total/NA
Biphenyl	41	J	180	34	ug/Kg	1	☼	8270D	Total/NA
Chrysene	690		180	44	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	110	J	180	37	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	94	J	180	32	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	810		180	33	ug/Kg	1	☼	8270D	Total/NA
Fluorene	35	J	180	33	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	210		180	27	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	790		180	34	ug/Kg	1	☼	8270D	Total/NA
Pyrene	640		180	34	ug/Kg	1	☼	8270D	Total/NA
Aluminum	4700		11.1	9.5	mg/Kg	1	☼	6010D	Total/NA
Arsenic	10.3		2.2	0.97	mg/Kg	1	☼	6010D	Total/NA
Barium	246	F1	0.55	0.15	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.69		0.22	0.044	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.18	J	0.22	0.077	mg/Kg	1	☼	6010D	Total/NA
Calcium	21600	F1	276	149	mg/Kg	5	☼	6010D	Total/NA
Chromium	13.8		0.55	0.40	mg/Kg	1	☼	6010D	Total/NA
Cobalt	6.1		0.55	0.11	mg/Kg	1	☼	6010D	Total/NA
Copper	41.0		1.1	0.63	mg/Kg	1	☼	6010D	Total/NA
Iron	13400		11.1	9.4	mg/Kg	1	☼	6010D	Total/NA
Lead	130		1.1	0.51	mg/Kg	1	☼	6010D	Total/NA
Magnesium	2930		22.1	9.4	mg/Kg	1	☼	6010D	Total/NA
Manganese	133		1.1	0.31	mg/Kg	1	☼	6010D	Total/NA
Nickel	16.3		5.5	0.28	mg/Kg	1	☼	6010D	Total/NA
Potassium	802		33.2	26.8	mg/Kg	1	☼	6010D	Total/NA
Selenium	1.1	J	4.4	0.88	mg/Kg	1	☼	6010D	Total/NA
Sodium	160		155	67.8	mg/Kg	1	☼	6010D	Total/NA
Vanadium	21.4		0.55	0.14	mg/Kg	1	☼	6010D	Total/NA
Zinc	55.7	^5-	2.2	1.1	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.91	F1 F2	0.022	0.0050	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP-8 3-4FT
Lab Sample ID: 480-230990-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	58	J	210	28	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	68	J	210	38	ug/Kg	1	☼	8270D	Total/NA
Pyrene	57	J	210	39	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: TP-8 3-4FT (Continued)
Lab Sample ID: 480-230990-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	15400		11.8	10.2	mg/Kg	1	☼	6010D	Total/NA
Arsenic	3.5		2.4	1.0	mg/Kg	1	☼	6010D	Total/NA
Barium	78.8		0.59	0.17	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.85		0.24	0.047	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.18	J	0.24	0.083	mg/Kg	1	☼	6010D	Total/NA
Calcium	5070		59.0	31.8	mg/Kg	1	☼	6010D	Total/NA
Chromium	26.3		0.59	0.42	mg/Kg	1	☼	6010D	Total/NA
Cobalt	9.2		0.59	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	15.4		1.2	0.67	mg/Kg	1	☼	6010D	Total/NA
Iron	16500		11.8	10.0	mg/Kg	1	☼	6010D	Total/NA
Lead	134		1.2	0.54	mg/Kg	1	☼	6010D	Total/NA
Magnesium	3890		23.6	10.0	mg/Kg	1	☼	6010D	Total/NA
Manganese	307		1.2	0.33	mg/Kg	1	☼	6010D	Total/NA
Nickel	15.6		5.9	0.29	mg/Kg	1	☼	6010D	Total/NA
Potassium	2500		35.4	28.6	mg/Kg	1	☼	6010D	Total/NA
Selenium	1.4	J	4.7	0.94	mg/Kg	1	☼	6010D	Total/NA
Sodium	168		165	72.3	mg/Kg	1	☼	6010D	Total/NA
Vanadium	30.1	B	0.59	0.15	mg/Kg	1	☼	6010D	Total/NA
Zinc	80.8	^5-	2.4	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.10		0.024	0.0055	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-3
Lab Sample ID: 480-230990-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	200		190	32	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	240		190	26	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	210		190	33	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	100	J	190	43	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	210		190	35	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	160	J	190	28	ug/Kg	1	☼	8270D	Total/NA
Pyrene	140	J	190	36	ug/Kg	1	☼	8270D	Total/NA
Aluminum	20300		11.6	10	mg/Kg	1	☼	6010D	Total/NA
Arsenic	6.3		2.3	1.0	mg/Kg	1	☼	6010D	Total/NA
Barium	135		0.58	0.16	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.88		0.23	0.046	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.31		0.23	0.081	mg/Kg	1	☼	6010D	Total/NA
Calcium	38800		58.0	31.3	mg/Kg	1	☼	6010D	Total/NA
Chromium	24.7		0.58	0.42	mg/Kg	1	☼	6010D	Total/NA
Cobalt	10.5		0.58	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	21.8		1.2	0.66	mg/Kg	1	☼	6010D	Total/NA
Iron	23100		11.6	9.8	mg/Kg	1	☼	6010D	Total/NA
Lead	115		1.2	0.53	mg/Kg	1	☼	6010D	Total/NA
Magnesium	12000		23.2	9.8	mg/Kg	1	☼	6010D	Total/NA
Manganese	401		1.2	0.32	mg/Kg	1	☼	6010D	Total/NA
Nickel	26.0		5.8	0.29	mg/Kg	1	☼	6010D	Total/NA
Potassium	5330		34.8	28.1	mg/Kg	1	☼	6010D	Total/NA
Sodium	284		162	71.1	mg/Kg	1	☼	6010D	Total/NA
Vanadium	38.2	B	0.58	0.15	mg/Kg	1	☼	6010D	Total/NA
Zinc	88.5	^5-	2.3	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.052		0.023	0.0053	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-9 6-8FT — Lab Sample ID: 480-230990-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	63	J	180	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	81	J	180	24	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	64	J	180	31	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	100	J	180	32	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	47	J	180	26	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	65	J	180	33	ug/Kg	1	☼	8270D	Total/NA
Pyrene	70	J	180	33	ug/Kg	1	☼	8270D	Total/NA
Aluminum	16300		10.5	9.0	mg/Kg	1	☼	6010D	Total/NA
Arsenic	4.2		2.1	0.92	mg/Kg	1	☼	6010D	Total/NA
Barium	97.0		0.52	0.15	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.71		0.21	0.042	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.27		0.21	0.073	mg/Kg	1	☼	6010D	Total/NA
Calcium	28900		52.3	28.2	mg/Kg	1	☼	6010D	Total/NA
Chromium	19.7		0.52	0.38	mg/Kg	1	☼	6010D	Total/NA
Cobalt	10.2		0.52	0.10	mg/Kg	1	☼	6010D	Total/NA
Copper	19.2		1.0	0.60	mg/Kg	1	☼	6010D	Total/NA
Iron	19800		10.5	8.9	mg/Kg	1	☼	6010D	Total/NA
Lead	68.5		1.0	0.48	mg/Kg	1	☼	6010D	Total/NA
Magnesium	11900		20.9	8.9	mg/Kg	1	☼	6010D	Total/NA
Manganese	483		1.0	0.29	mg/Kg	1	☼	6010D	Total/NA
Nickel	21.3		5.2	0.26	mg/Kg	1	☼	6010D	Total/NA
Potassium	4070		31.4	25.4	mg/Kg	1	☼	6010D	Total/NA
Sodium	252		147	64.2	mg/Kg	1	☼	6010D	Total/NA
Vanadium	31.7	B	0.52	0.14	mg/Kg	1	☼	6010D	Total/NA
Zinc	104	^5-	2.1	1.1	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.042		0.021	0.0048	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP-9 12FT — Lab Sample ID: 480-230990-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	16000		11.4	9.9	mg/Kg	1	☼	6010D	Total/NA
Arsenic	2.2	J	2.3	1.0	mg/Kg	1	☼	6010D	Total/NA
Barium	93.5		0.57	0.16	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.68		0.23	0.046	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.19	J	0.23	0.080	mg/Kg	1	☼	6010D	Total/NA
Calcium	68700		57.2	30.9	mg/Kg	1	☼	6010D	Total/NA
Chromium	19.4		0.57	0.41	mg/Kg	1	☼	6010D	Total/NA
Cobalt	9.0		0.57	0.11	mg/Kg	1	☼	6010D	Total/NA
Copper	14.9		1.1	0.65	mg/Kg	1	☼	6010D	Total/NA
Iron	18900		11.4	9.7	mg/Kg	1	☼	6010D	Total/NA
Lead	21.0		1.1	0.53	mg/Kg	1	☼	6010D	Total/NA
Magnesium	27600		22.9	9.7	mg/Kg	1	☼	6010D	Total/NA
Manganese	454		1.1	0.32	mg/Kg	1	☼	6010D	Total/NA
Nickel	19.9		5.7	0.29	mg/Kg	1	☼	6010D	Total/NA
Potassium	5340		34.3	27.7	mg/Kg	1	☼	6010D	Total/NA
Sodium	340		160	70.2	mg/Kg	1	☼	6010D	Total/NA
Vanadium	31.2	B	0.57	0.15	mg/Kg	1	☼	6010D	Total/NA
Zinc	63.2	^5-	2.3	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.012	J	0.023	0.0053	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: SS-4 — Lab Sample ID: 480-230990-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	160	J	190	27	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	320		190	33	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	290		190	26	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	330		190	34	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	220		190	43	ug/Kg	1	☼	8270D	Total/NA
Chrysene	170	J	190	47	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	90	J	190	39	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	190		190	35	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	290		190	29	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	98	J	190	36	ug/Kg	1	☼	8270D	Total/NA
Pyrene	160	J	190	37	ug/Kg	1	☼	8270D	Total/NA
4,4'-DDT	1.7	J	3.7	0.86	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	1.2	J	3.7	1.2	ug/Kg	1	☼	8081B	Total/NA
Methoxychlor	1.5	J	3.7	0.75	ug/Kg	1	☼	8081B	Total/NA
Perfluorobutanoic acid (PFBA)	0.36	J	0.48	0.12	ng/g	1	☼	1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	0.88		0.24	0.097	ng/g	1	☼	1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	0.32		0.24	0.060	ng/g	1	☼	1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.14	J	0.24	0.060	ng/g	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.13	J	0.24	0.060	ng/g	1	☼	1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.33	J	1.2	0.30	ng/g	1	☼	1633A	Total/NA
Aluminum	27100		11.1	9.6	mg/Kg	1	☼	6010D	Total/NA
Arsenic	4.3		2.2	0.98	mg/Kg	1	☼	6010D	Total/NA
Barium	157		0.56	0.16	mg/Kg	1	☼	6010D	Total/NA
Beryllium	1.2		0.22	0.045	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.17	J	0.22	0.078	mg/Kg	1	☼	6010D	Total/NA
Calcium	50200		55.7	30.1	mg/Kg	1	☼	6010D	Total/NA
Chromium	32.3		0.56	0.40	mg/Kg	1	☼	6010D	Total/NA
Cobalt	13.6		0.56	0.11	mg/Kg	1	☼	6010D	Total/NA
Copper	23.8		1.1	0.64	mg/Kg	1	☼	6010D	Total/NA
Iron	30100		11.1	9.4	mg/Kg	1	☼	6010D	Total/NA
Lead	34.9		1.1	0.51	mg/Kg	1	☼	6010D	Total/NA
Magnesium	14400		22.3	9.4	mg/Kg	1	☼	6010D	Total/NA
Manganese	491		1.1	0.31	mg/Kg	1	☼	6010D	Total/NA
Nickel	33.5		5.6	0.28	mg/Kg	1	☼	6010D	Total/NA
Potassium	8020		33.4	27.0	mg/Kg	1	☼	6010D	Total/NA
Silver	0.23	J ^5-	0.67	0.22	mg/Kg	1	☼	6010D	Total/NA
Sodium	379		156	68.3	mg/Kg	1	☼	6010D	Total/NA
Vanadium	50.3	B	0.56	0.14	mg/Kg	1	☼	6010D	Total/NA
Zinc	78.9	^5-	2.2	1.1	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.034		0.023	0.0052	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP-10 6-8FT — Lab Sample ID: 480-230990-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	170		58	16	ug/Kg	1	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	98		58	17	ug/Kg	1	☼	8260C	Total/NA
Methyl acetate	170	J	290	27	ug/Kg	1	☼	8260C	Total/NA
Naphthalene	1000		58	19	ug/Kg	1	☼	8260C	Total/NA
n-Butylbenzene	47	J	58	17	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	21	J	58	15	ug/Kg	1	☼	8260C	Total/NA
sec-Butylbenzene	33	J	58	21	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: TP-10 6-8FT (Continued)

Lab Sample ID: 480-230990-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	2500		200	31	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	1600		200	37	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	72	J	200	38	ug/Kg	1	☼	8270D	Total/NA
Anthracene	520		200	37	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	150	J	200	27	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	98	J	200	34	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	100	J	200	27	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	71	J	200	44	ug/Kg	1	☼	8270D	Total/NA
Biphenyl	560		200	37	ug/Kg	1	☼	8270D	Total/NA
Carbazole	81	J	200	39	ug/Kg	1	☼	8270D	Total/NA
Chrysene	120	J	200	48	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	1500		200	35	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	550		200	36	ug/Kg	1	☼	8270D	Total/NA
Fluorene	1100		200	36	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	51	J	200	30	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	1400		200	33	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	2000		200	37	ug/Kg	1	☼	8270D	Total/NA
Pyrene	360		200	38	ug/Kg	1	☼	8270D	Total/NA
4,4'-DDT	32	J	77	18	ug/Kg	20	☼	8081B	Total/NA
Perfluorobutanoic acid (PFBA)	0.16	J	0.49	0.12	ng/g	1	☼	1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	0.89		0.24	0.097	ng/g	1	☼	1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	0.38		0.24	0.061	ng/g	1	☼	1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.19	J	0.49	0.12	ng/g	1	☼	1633A	Total/NA
Aluminum	23700		12.6	10.8	mg/Kg	1	☼	6010D	Total/NA
Arsenic	2.9		2.5	1.1	mg/Kg	1	☼	6010D	Total/NA
Barium	103		0.63	0.18	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.99		0.25	0.050	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.14	J	0.25	0.088	mg/Kg	1	☼	6010D	Total/NA
Calcium	2110		62.9	33.9	mg/Kg	1	☼	6010D	Total/NA
Chromium	26.4		0.63	0.45	mg/Kg	1	☼	6010D	Total/NA
Cobalt	13.7		0.63	0.13	mg/Kg	1	☼	6010D	Total/NA
Copper	14.1		1.3	0.72	mg/Kg	1	☼	6010D	Total/NA
Iron	25300		12.6	10.7	mg/Kg	1	☼	6010D	Total/NA
Lead	17.9		1.3	0.58	mg/Kg	1	☼	6010D	Total/NA
Magnesium	4970		25.1	10.7	mg/Kg	1	☼	6010D	Total/NA
Manganese	336		1.3	0.35	mg/Kg	1	☼	6010D	Total/NA
Nickel	22.5		6.3	0.31	mg/Kg	1	☼	6010D	Total/NA
Potassium	4260		37.7	30.5	mg/Kg	1	☼	6010D	Total/NA
Sodium	155	J	176	77.1	mg/Kg	1	☼	6010D	Total/NA
Vanadium	40.4	B	0.63	0.16	mg/Kg	1	☼	6010D	Total/NA
Zinc	88.0	^5-	2.5	1.3	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.029		0.025	0.0057	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP-10 12-14.8FT

Lab Sample ID: 480-230990-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	1.5	J	3.9	0.91	ug/Kg	1	☼	8081B	Total/NA
Perfluoropentanoic acid (PFPeA)	0.33		0.24	0.094	ng/g	1	☼	1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	0.16	J	0.24	0.059	ng/g	1	☼	1633A	Total/NA
Aluminum	17300		12.4	10.7	mg/Kg	1	☼	6010D	Total/NA
Arsenic	4.0		2.5	1.1	mg/Kg	1	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TP-10 12-14.8FT (Continued)

Lab Sample ID: 480-230990-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	115		0.62	0.17	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.74		0.25	0.050	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.17	J	0.25	0.087	mg/Kg	1	☼	6010D	Total/NA
Calcium	59000		62.1	33.5	mg/Kg	1	☼	6010D	Total/NA
Chromium	21.7		0.62	0.45	mg/Kg	1	☼	6010D	Total/NA
Cobalt	8.8		0.62	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	15.2		1.2	0.71	mg/Kg	1	☼	6010D	Total/NA
Iron	20300		12.4	10.5	mg/Kg	1	☼	6010D	Total/NA
Lead	15.2		1.2	0.57	mg/Kg	1	☼	6010D	Total/NA
Magnesium	22100		24.8	10.5	mg/Kg	1	☼	6010D	Total/NA
Manganese	404		1.2	0.35	mg/Kg	1	☼	6010D	Total/NA
Nickel	21.1		6.2	0.31	mg/Kg	1	☼	6010D	Total/NA
Potassium	5570		37.3	30.1	mg/Kg	1	☼	6010D	Total/NA
Sodium	328		174	76.1	mg/Kg	1	☼	6010D	Total/NA
Vanadium	33.8	B	0.62	0.16	mg/Kg	1	☼	6010D	Total/NA
Zinc	62.8	^5-	2.5	1.3	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.011	J	0.024	0.0055	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP-11 6-8FT

Lab Sample ID: 480-230990-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	20800		12.2	10.5	mg/Kg	1	☼	6010D	Total/NA
Arsenic	3.8		2.4	1.1	mg/Kg	1	☼	6010D	Total/NA
Barium	118		0.61	0.17	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.89		0.24	0.049	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.32		0.24	0.085	mg/Kg	1	☼	6010D	Total/NA
Calcium	14800		60.9	32.9	mg/Kg	1	☼	6010D	Total/NA
Chromium	24.5		0.61	0.44	mg/Kg	1	☼	6010D	Total/NA
Cobalt	14.2		0.61	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	16.6		1.2	0.69	mg/Kg	1	☼	6010D	Total/NA
Iron	24800		12.2	10.3	mg/Kg	1	☼	6010D	Total/NA
Lead	22.2		1.2	0.56	mg/Kg	1	☼	6010D	Total/NA
Magnesium	8760		24.4	10.3	mg/Kg	1	☼	6010D	Total/NA
Manganese	749		1.2	0.34	mg/Kg	1	☼	6010D	Total/NA
Nickel	25.0		6.1	0.30	mg/Kg	1	☼	6010D	Total/NA
Potassium	4300		36.5	29.5	mg/Kg	1	☼	6010D	Total/NA
Sodium	160	J	170	74.7	mg/Kg	1	☼	6010D	Total/NA
Vanadium	39.4	B	0.61	0.16	mg/Kg	1	☼	6010D	Total/NA
Zinc	93.3	^5-	2.4	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.041		0.025	0.0058	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-5

Lab Sample ID: 480-230990-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	5260		12.0	10.4	mg/Kg	1	☼	6010D	Total/NA
Arsenic	5.5		2.4	1.1	mg/Kg	1	☼	6010D	Total/NA
Barium	149		0.60	0.17	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.62		0.24	0.048	mg/Kg	1	☼	6010D	Total/NA
Cadmium	2.1		0.24	0.084	mg/Kg	1	☼	6010D	Total/NA
Calcium	89700		300	162	mg/Kg	5	☼	6010D	Total/NA
Chromium	13.7		0.60	0.43	mg/Kg	1	☼	6010D	Total/NA
Cobalt	4.3		0.60	0.12	mg/Kg	1	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS-5 (Continued)

Lab Sample ID: 480-230990-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	33.7		1.2	0.68	mg/Kg	1	☼	6010D	Total/NA
Iron	15000		12.0	10.2	mg/Kg	1	☼	6010D	Total/NA
Lead	352		1.2	0.55	mg/Kg	1	☼	6010D	Total/NA
Magnesium	7500		24.0	10.2	mg/Kg	1	☼	6010D	Total/NA
Manganese	361		1.2	0.34	mg/Kg	1	☼	6010D	Total/NA
Nickel	40.0		6.0	0.30	mg/Kg	1	☼	6010D	Total/NA
Potassium	630		36.0	29.1	mg/Kg	1	☼	6010D	Total/NA
Sodium	267		168	73.6	mg/Kg	1	☼	6010D	Total/NA
Vanadium	12.5	B	0.60	0.16	mg/Kg	1	☼	6010D	Total/NA
Zinc	204	^5-	2.4	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.066		0.022	0.0050	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SS-1
Lab Sample ID: 480-230990-1
Date Collected: 07/10/25 08:37
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 98.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		490	180	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
2,4,5-Trichlorophenol	ND		840	170	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
2,4,6-Trichlorophenol	ND		840	130	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
2,4-Dichlorophenol	ND		840	160	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
2,4-Dimethylphenol	ND		840	180	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
2,4-Dinitrophenol	ND		8200	160	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
2,4-Dinitrotoluene	ND		840	110	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
2,6-Dinitrotoluene	ND		840	120	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
2-Chloronaphthalene	ND		840	160	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
2-Chlorophenol	ND		840	130	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
2-Methylnaphthalene	ND		840	130	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
2-Methylphenol	ND		840	140	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
2-Nitroaniline	ND		1600	140	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
2-Nitrophenol	ND		840	95	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
3,3'-Dichlorobenzidine	ND		1600	240	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
3-Nitroaniline	ND		1600	120	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
4,6-Dinitro-2-methylphenol	ND		1600	180	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
4-Bromophenyl phenyl ether	ND		840	140	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
4-Chloro-3-methylphenol	ND		840	170	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
4-Chloroaniline	ND		840	120	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
4-Chlorophenyl phenyl ether	ND		840	180	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
4-Methylphenol	ND		1600	150	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
4-Nitroaniline	ND		1600	120	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
4-Nitrophenol	ND		1600	230	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Acenaphthene	ND		840	160	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Acenaphthylene	ND		840	160	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Acetophenone	ND		840	150	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Anthracene	**370**	**J**	840	150	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Atrazine	ND		840	280	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Benzaldehyde	ND		840	640	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Benzo[a]anthracene	**1700**		840	120	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Benzo[a]pyrene	**1900**		840	140	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Benzo[b]fluoranthene	**2800**		840	110	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Benzo[g,h,i]perylene	**1500**		840	150	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Benzo[k]fluoranthene	**1100**		840	190	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Biphenyl	ND		840	160	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
bis (2-chloroisopropyl) ether	ND		840	170	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Bis(2-chloroethoxy)methane	ND		840	160	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Bis(2-chloroethyl)ether	ND		840	160	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Bis(2-ethylhexyl) phthalate	ND		840	180	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Butyl benzyl phthalate	ND		840	150	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Caprolactam	ND		840	190	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Carbazole	ND		840	160	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Chrysene	**2200**		840	200	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Dibenz(a,h)anthracene	**410**	**J**	840	170	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Dibenzofuran	ND		840	150	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Diethyl phthalate	ND		840	150	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Dimethyl phthalate	ND		840	160	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Di-n-butyl phthalate	ND		840	190	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5

Client Sample ID: SS-1
Lab Sample ID: 480-230990-1
Date Collected: 07/10/25 08:37
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 98.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		840	160	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Fluoranthene	**3600**		840	150	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Fluorene	ND		840	150	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Hexachlorobenzene	ND		840	160	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Hexachlorobutadiene	ND		840	120	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Hexachlorocyclopentadiene	ND		1600	370	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Hexachloroethane	ND		840	150	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Indeno[1,2,3-cd]pyrene	**1200**		840	120	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Isophorone	ND		840	170	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Naphthalene	ND		840	140	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Nitrobenzene	ND		840	140	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
N-Nitrosodi-n-propylamine	ND		840	190	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
N-Nitrosodiphenylamine	ND		840	140	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Pentachlorophenol	ND		1600	270	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Phenanthrene	**1600**		840	160	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Phenol	ND		840	150	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5
Pyrene	**2500**		840	160	ug/Kg	☼	07/12/25 07:49	07/16/25 04:04	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*24000*	*T J*	*ug/Kg*	☼	*1.91*	*N/A*	*07/12/25 07:49*	*07/16/25 04:04*	*5*
3-Penten-2-one, 4-methyl-	*2900*	*T J N*	*ug/Kg*	☼	*2.67*	*141-79-7*	*07/12/25 07:49*	*07/16/25 04:04*	*5*
Unknown	*19000*	*T J*	*ug/Kg*	☼	*3.36*	*N/A*	*07/12/25 07:49*	*07/16/25 04:04*	*5*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*13.03*	*N/A*	*07/12/25 07:49*	*07/16/25 04:04*	*5*
Benzo[e]pyrene	*2200*	*T J N*	*ug/Kg*	☼	*14.29*	*192-97-2*	*07/12/25 07:49*	*07/16/25 04:04*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*10 - 140*	*07/12/25 07:49*	*07/16/25 04:04*	*5*
2-Fluorobiphenyl	*96*		*29 - 120*	*07/12/25 07:49*	*07/16/25 04:04*	*5*
2-Fluorophenol	*68*		*18 - 120*	*07/12/25 07:49*	*07/16/25 04:04*	*5*
Nitrobenzene-d5	*67*		*22 - 120*	*07/12/25 07:49*	*07/16/25 04:04*	*5*
Phenol-d5	*69*		*23 - 120*	*07/12/25 07:49*	*07/16/25 04:04*	*5*
p-Terphenyl-d14	*83*		*28 - 124*	*07/12/25 07:49*	*07/16/25 04:04*	*5*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	6.5	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
4,4'-DDE	ND		33	7.0	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
4,4'-DDT	**20**	**J**	33	7.8	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
Aldrin	ND		33	8.2	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
alpha-BHC	ND		33	6.0	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
cis-Chlordane	ND		33	17	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
beta-BHC	ND		33	6.0	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
delta-BHC	ND		33	6.2	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
Dieldrin	ND		33	8.0	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
Endosulfan I	ND		33	6.4	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
Endosulfan II	ND		33	6.0	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
Endosulfan sulfate	ND		33	6.2	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
Endrin	ND		33	6.6	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
Endrin aldehyde	ND		33	8.5	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
Endrin ketone	ND		33	8.2	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10

Client Sample ID: SS-1
Lab Sample ID: 480-230990-1
Date Collected: 07/10/25 08:37
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 98.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		33	6.1	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
trans-Chlordane	ND		33	11	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
Heptachlor	ND		33	7.2	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
Heptachlor epoxide	ND		33	8.6	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
Methoxychlor	ND		33	6.8	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10
Toxaphene	ND		330	190	ug/Kg	☼	07/15/25 06:52	07/18/25 11:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*119*		*45 - 120*	*07/15/25 06:52*	*07/18/25 11:36*	*10*
DCB Decachlorobiphenyl	*325*	*S1+*	*45 - 120*	*07/15/25 06:52*	*07/18/25 11:36*	*10*
Tetrachloro-m-xylene	*78*		*30 - 124*	*07/15/25 06:52*	*07/18/25 11:36*	*10*
Tetrachloro-m-xylene	*86*		*30 - 124*	*07/15/25 06:52*	*07/18/25 11:36*	*10*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.050	0.025	mg/Kg	☼	07/15/25 08:55	07/15/25 20:18	1
PCB-1221	ND		0.050	0.030	mg/Kg	☼	07/15/25 08:55	07/15/25 20:18	1
PCB-1232	ND		0.050	0.021	mg/Kg	☼	07/15/25 08:55	07/15/25 20:18	1
PCB-1242	ND		0.050	0.019	mg/Kg	☼	07/15/25 08:55	07/15/25 20:18	1
PCB-1248	ND		0.050	0.017	mg/Kg	☼	07/15/25 08:55	07/15/25 20:18	1
PCB-1254	ND		0.050	0.021	mg/Kg	☼	07/15/25 08:55	07/15/25 20:18	1
PCB-1260	**0.050**		0.050	0.021	mg/Kg	☼	07/15/25 08:55	07/15/25 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*49*		*10 - 149*	*07/15/25 08:55*	*07/15/25 20:18*	*1*
DCB Decachlorobiphenyl	*59*		*10 - 174*	*07/15/25 08:55*	*07/15/25 20:18*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		34	7.2	ug/Kg	☼	07/15/25 05:36	07/15/25 17:26	1
Silvex (2,4,5-TP)	ND		34	3.5	ug/Kg	☼	07/15/25 05:36	07/15/25 17:26	1
2,4-D	ND		34	12	ug/Kg	☼	07/15/25 05:36	07/15/25 17:26	1
Dichlorprop	ND		34	10	ug/Kg	☼	07/15/25 05:36	07/15/25 17:26	1
Pentachlorophenol	ND	*+	8.4	2.9	ug/Kg	☼	07/15/25 05:36	07/15/25 17:26	1
Picloram	ND		8.4	7.4	ug/Kg	☼	07/15/25 05:36	07/15/25 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*270*	*S1+*	*38 - 150*	*07/15/25 05:36*	*07/15/25 17:26*	*1*
2,4-Dichlorophenylacetic acid	*165*	*S1+*	*38 - 150*	*07/15/25 05:36*	*07/15/25 17:26*	*1*

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.39**	**J**	0.40	0.10	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluoropentanoic acid (PFPeA)	**0.83**		0.20	0.080	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluorohexanoic acid (PFHxA)	**0.61**		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluoroheptanoic acid (PFHpA)	**0.30**		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluorooctanoic acid (PFOA)	**0.37**		0.20	0.11	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluorononanoic acid (PFNA)	**0.32**		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluorodecanoic acid (PFDA)	**0.57**		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluoroundecanoic acid (PFUnA)	**0.28**		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: SS-1
Date Collected: 07/10/25 08:37
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-1
Matrix: Solid
Percent Solids: 98.2

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	**0.24**		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluorotridecanoic acid (PFTrDA)	**0.077**	**J**	0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluorotetradecanoic acid (PFTeDA)	**0.10**	**J**	0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluorooctanesulfonic acid (PFOS)	**0.67**		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	**1.9**		0.40	0.10	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.29**	**J**	0.40	0.10	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluorooctanesulfonamide (PFOSA)	**0.065**	**J**	0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.053	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	**0.12**	**J**	0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.25	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.25	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.10	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	**0.48**	**J**	1.0	0.25	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: SS-1
Date Collected: 07/10/25 08:37
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-1
Matrix: Solid
Percent Solids: 98.2

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.34	J	1.0	0.25	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluorodecanesulfonic acid (PFDS)	0.25		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.050	ng/g	☼	07/15/25 11:50	07/16/25 22:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92.4*		*8 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C5 PFPeA	*97.5*		*35 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C5 PFHxA	*91.6*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C4 PFHpA	*84.9*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C8 PFOA	*99.9*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C9 PFNA	*97.8*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C6 PFDA	*85.1*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C7 PFUnA	*90.7*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C2 PFTeDA	*84.7*		*20 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C3 PFBS	*96.6*		*40 - 135*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C3 PFHxS	*91.1*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C8 PFOS	*87.4*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C8 FOSA	*125*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
d3-NMeFOSAA	*122*		*40 - 135*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
d5-NEtFOSAA	*108*		*40 - 150*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C2 4:2 FTS	*135*		*40 - 165*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C2 6:2 FTS	*125*		*40 - 215*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C2 8:2 FTS	*136*		*40 - 275*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C3 HFPO-DA	*83.5*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
d7-N-MeFOSE-M	*91.4*		*20 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
d9-N-EtFOSE-M	*85.1*		*15 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
d5-NEtPFOSA	*69.6*		*10 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
d3-NMePFOSA	*80.1*		*10 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C2-PFDoA	*91.6*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C3-PFPrS	*87.0*		*20 - 150*	*07/15/25 11:50*	*07/16/25 22:05*	*1*
13C2 10:2 FTS	*178*		*40 - 275*	*07/15/25 11:50*	*07/16/25 22:05*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13200		50.5	43.5	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Antimony	ND		75.8	2.7	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Arsenic	10.8		10.1	4.4	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Barium	224	B	2.5	0.71	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Beryllium	1.4		1.0	0.20	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Cadmium	4.5		1.0	0.35	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Calcium	76200		253	136	mg/Kg	☼	07/15/25 09:36	07/17/25 12:15	5
Chromium	646		2.5	1.8	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Cobalt	9.1		2.5	0.51	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Copper	491		5.1	2.9	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Iron	98800		50.5	42.8	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Lead	533		5.1	2.3	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Magnesium	14800		101	42.8	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Manganese	9540		5.1	1.4	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: SS-1
Date Collected: 07/10/25 08:37
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-1
Matrix: Solid
Percent Solids: 98.2

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	185		25.3	1.3	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Potassium	1950		152	122	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Selenium	5.2	J	20.2	4.0	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Silver	1.4	J ^5-	3.0	1.0	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Sodium	477	J	707	310	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Thallium	ND		30.3	3.8	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Vanadium	61.4		2.5	0.66	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5
Zinc	933	^5- B	10.1	5.2	mg/Kg	☼	07/15/25 09:36	07/16/25 12:50	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.077		0.020	0.0046	mg/Kg	☼	07/14/25 10:43	07/14/25 13:16	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-7 2-3FT
Date Collected: 07/10/25 09:00
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-2
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.6	0.41	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
1,1,2,2-Tetrachloroethane	ND	*3	5.6	0.91	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
1,1,2-Trichloroethane	ND		5.6	0.73	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
1,1-Dichloroethane	ND		5.6	0.68	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
1,1-Dichloroethene	ND		5.6	0.68	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
1,2,4-Trichlorobenzene	ND	*3	5.6	0.34	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
1,2,4-Trimethylbenzene	ND	*3	5.6	1.1	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
1,2-Dibromo-3-Chloropropane	ND	*3	5.6	2.8	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
1,2-Dichlorobenzene	ND	*3	5.6	0.44	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
1,2-Dichloroethane	ND		5.6	0.28	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
1,2-Dichloropropane	ND		5.6	2.8	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
1,3,5-Trimethylbenzene	ND	*3	5.6	0.36	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
1,3-Dichlorobenzene	ND	*3	5.6	0.29	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
1,4-Dichlorobenzene	ND	*3	5.6	0.78	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
2-Butanone (MEK)	ND		28	2.0	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
2-Hexanone	ND		28	2.8	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
4-Isopropyltoluene	ND	*3	5.6	0.45	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
4-Methyl-2-pentanone (MIBK)	ND		28	1.8	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Acetone	ND		28	4.7	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Benzene	ND		5.6	0.27	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Bromomethane	ND		5.6	0.50	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Carbon disulfide	ND		5.6	2.8	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Carbon tetrachloride	ND		5.6	0.54	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Chlorobenzene	ND		5.6	0.74	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Dibromochloromethane	ND		5.6	0.71	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Chloroethane	ND		5.6	1.3	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Chloroform	ND		5.6	0.35	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Chloromethane	ND		5.6	0.34	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
cis-1,2-Dichloroethene	ND		5.6	0.71	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Cyclohexane	ND		5.6	0.78	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Bromodichloromethane	ND		5.6	0.75	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Dichlorodifluoromethane	ND		5.6	0.46	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Ethylbenzene	ND		5.6	0.39	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
1,2-Dibromoethane	ND		5.6	0.72	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Isopropylbenzene	ND	*3	5.6	0.84	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Methyl acetate	ND		28	3.4	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Methyl tert-butyl ether	ND		5.6	0.55	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Methylcyclohexane	ND		5.6	0.85	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Methylene Chloride	ND		5.6	2.6	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
m,p-Xylene	ND		11	0.94	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Naphthalene	ND	*3	5.6	0.75	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
n-Butylbenzene	ND	*3	5.6	0.49	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
N-Propylbenzene	ND	*3	5.6	0.45	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
o-Xylene	ND		5.6	0.73	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
sec-Butylbenzene	ND	*3	5.6	0.49	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Tetrachloroethene	**4.8**	**J**	5.6	0.75	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Toluene	ND		5.6	0.42	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-7 2-3FT
Date Collected: 07/10/25 09:00
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-2
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		5.6	0.58	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Trichloroethene	ND		5.6	1.2	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Trichlorofluoromethane	ND		5.6	0.53	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Vinyl chloride	ND		5.6	0.68	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Xylenes, Total	ND		11	0.94	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
cis-1,3-Dichloropropene	ND		5.6	0.80	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
Styrene	ND		5.6	0.28	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1
tert-Butylbenzene	ND	*3	5.6	0.58	ug/Kg	☼	07/11/25 13:00	07/16/25 03:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*7.7*	*T J*	*ug/Kg*	☼	*9.62*	*N/A*	*07/11/25 13:00*	*07/16/25 03:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*07/11/25 13:00*	*07/16/25 03:34*	*1*
4-Bromofluorobenzene (Surr)	*82*		*72 - 126*	*07/11/25 13:00*	*07/16/25 03:34*	*1*
Toluene-d8 (Surr)	*109*		*71 - 125*	*07/11/25 13:00*	*07/16/25 03:34*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*07/11/25 13:00*	*07/16/25 03:34*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1200	430	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
2,4,5-Trichlorophenol	ND		2000	400	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
2,4,6-Trichlorophenol	ND		2000	300	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
2,4-Dichlorophenol	ND		2000	390	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
2,4-Dimethylphenol	ND		2000	410	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
2,4-Dinitrophenol	ND		19000	370	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
2,4-Dinitrotoluene	ND		2000	270	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
2,6-Dinitrotoluene	ND		2000	280	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
2-Chloronaphthalene	ND		2000	370	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
2-Chlorophenol	ND		2000	310	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
2-Methylnaphthalene	ND		2000	310	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
2-Methylphenol	ND		2000	320	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
2-Nitroaniline	ND		3800	330	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
2-Nitrophenol	ND		2000	220	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
3,3'-Dichlorobenzidine	ND		3800	580	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
3-Nitroaniline	ND		3800	280	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
4,6-Dinitro-2-methylphenol	ND		3800	430	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
4-Bromophenyl phenyl ether	ND		2000	330	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
4-Chloro-3-methylphenol	ND		2000	400	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
4-Chloroaniline	ND		2000	280	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
4-Chlorophenyl phenyl ether	ND		2000	410	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
4-Methylphenol	ND		3800	350	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
4-Nitroaniline	ND		3800	290	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
4-Nitrophenol	ND		3800	540	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Acenaphthene	ND		2000	370	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Acenaphthylene	ND		2000	380	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Acetophenone	ND		2000	350	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Anthracene	ND		2000	360	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Atrazine	ND		2000	670	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-7 2-3FT
Date Collected: 07/10/25 09:00
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-2
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		2000	1500	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Benzo[a]anthracene	**2700**		2000	270	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Benzo[a]pyrene	**2500**		2000	340	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Benzo[b]fluoranthene	**3000**		2000	260	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Benzo[g,h,i]perylene	**1700**	**J**	2000	340	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Benzo[k]fluoranthene	**2200**		2000	440	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Biphenyl	ND		2000	370	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
bis (2-chloroisopropyl) ether	ND		2000	400	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Bis(2-chloroethoxy)methane	ND		2000	380	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Bis(2-chloroethyl)ether	ND		2000	370	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Bis(2-ethylhexyl) phthalate	ND		2000	430	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Butyl benzyl phthalate	ND		2000	360	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Caprolactam	ND		2000	450	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Carbazole	ND		2000	390	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Chrysene	**2500**		2000	470	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Dibenz(a,h)anthracene	**510**	**J**	2000	400	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Dibenzofuran	ND		2000	350	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Diethyl phthalate	ND		2000	350	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Dimethyl phthalate	ND		2000	380	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Di-n-butyl phthalate	ND		2000	440	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Di-n-octyl phthalate	ND		2000	370	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Fluoranthene	**4200**		2000	360	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Fluorene	ND		2000	360	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Hexachlorobenzene	ND		2000	380	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Hexachlorobutadiene	ND		2000	290	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Hexachlorocyclopentadiene	ND		3800	860	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Hexachloroethane	ND		2000	360	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Indeno[1,2,3-cd]pyrene	**1600**	**J**	2000	290	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Isophorone	ND		2000	400	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Naphthalene	ND		2000	330	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Nitrobenzene	ND		2000	330	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
N-Nitrosodi-n-propylamine	ND		2000	440	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
N-Nitrosodiphenylamine	ND		2000	330	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Pentachlorophenol	ND		3800	630	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Phenanthrene	ND		2000	370	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Phenol	ND		2000	360	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10
Pyrene	**3400**		2000	370	ug/Kg	☼	07/12/25 07:49	07/16/25 13:02	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*27000*	*T J*	*ug/Kg*	☼	*1.92*	*N/A*	*07/12/25 07:49*	*07/16/25 13:02*	*10*
Unknown	*3500*	*T J*	*ug/Kg*	☼	*13.42*	*N/A*	*07/12/25 07:49*	*07/16/25 13:02*	*10*
Unknown	*19000*	*T J*	*ug/Kg*	☼	*14.23*	*N/A*	*07/12/25 07:49*	*07/16/25 13:02*	*10*
Unknown	*31000*	*T J*	*ug/Kg*	☼	*16.67*	*N/A*	*07/12/25 07:49*	*07/16/25 13:02*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*10 - 140*	*07/12/25 07:49*	*07/16/25 13:02*	*10*
2-Fluorobiphenyl	*82*		*29 - 120*	*07/12/25 07:49*	*07/16/25 13:02*	*10*
2-Fluorophenol	*70*		*18 - 120*	*07/12/25 07:49*	*07/16/25 13:02*	*10*
Nitrobenzene-d5	*49*		*22 - 120*	*07/12/25 07:49*	*07/16/25 13:02*	*10*
Phenol-d5	*64*		*23 - 120*	*07/12/25 07:49*	*07/16/25 13:02*	*10*

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-7 2-3FT
Date Collected: 07/10/25 09:00
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-2
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14	*96*		*28 - 124*	*07/12/25 07:49*	*07/16/25 13:02*	*10*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		40	7.7	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
4,4'-DDE	ND		40	8.3	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
4,4'-DDT	**20**	**J**	40	9.3	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
Aldrin	ND		40	9.8	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
alpha-BHC	ND		40	7.1	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
cis-Chlordane	ND		40	20	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
beta-BHC	ND		40	7.1	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
delta-BHC	ND		40	7.4	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
Dieldrin	ND		40	9.5	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
Endosulfan I	ND		40	7.6	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
Endosulfan II	ND		40	7.1	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
Endosulfan sulfate	ND		40	7.4	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
Endrin	ND		40	7.8	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
Endrin aldehyde	ND		40	10	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
Endrin ketone	ND		40	9.8	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
gamma-BHC (Lindane)	ND		40	7.3	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
trans-Chlordane	ND		40	13	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
Heptachlor	ND		40	8.6	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
Heptachlor epoxide	ND		40	10	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
Methoxychlor	ND		40	8.1	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10
Toxaphene	ND		400	230	ug/Kg	☼	07/15/25 06:52	07/18/25 11:56	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*68*		*45 - 120*	*07/15/25 06:52*	*07/18/25 11:56*	*10*
DCB Decachlorobiphenyl	*179*	*S1+*	*45 - 120*	*07/15/25 06:52*	*07/18/25 11:56*	*10*
Tetrachloro-m-xylene	*67*		*30 - 124*	*07/15/25 06:52*	*07/18/25 11:56*	*10*
Tetrachloro-m-xylene	*76*		*30 - 124*	*07/15/25 06:52*	*07/18/25 11:56*	*10*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.058	0.029	mg/Kg	☼	07/15/25 08:55	07/15/25 20:32	1
PCB-1221	ND		0.058	0.035	mg/Kg	☼	07/15/25 08:55	07/15/25 20:32	1
PCB-1232	ND		0.058	0.024	mg/Kg	☼	07/15/25 08:55	07/15/25 20:32	1
PCB-1242	ND		0.058	0.022	mg/Kg	☼	07/15/25 08:55	07/15/25 20:32	1
PCB-1248	ND		0.058	0.020	mg/Kg	☼	07/15/25 08:55	07/15/25 20:32	1
PCB-1254	ND		0.058	0.024	mg/Kg	☼	07/15/25 08:55	07/15/25 20:32	1
PCB-1260	ND		0.058	0.024	mg/Kg	☼	07/15/25 08:55	07/15/25 20:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*63*		*10 - 149*	*07/15/25 08:55*	*07/15/25 20:32*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 174*	*07/15/25 08:55*	*07/15/25 20:32*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		40	8.6	ug/Kg	☼	07/15/25 05:36	07/15/25 17:45	1
Silvex (2,4,5-TP)	ND		40	4.2	ug/Kg	☼	07/15/25 05:36	07/15/25 17:45	1

Client Sample ID: TP-7 2-3FT
Date Collected: 07/10/25 09:00
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-2
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		40	15	ug/Kg	☼	07/15/25 05:36	07/15/25 17:45	1
Dichlorprop	ND		40	12	ug/Kg	☼	07/15/25 05:36	07/15/25 17:45	1
Pentachlorophenol	ND	*+	10	3.4	ug/Kg	☼	07/15/25 05:36	07/15/25 17:45	1
Picloram	ND		10	8.8	ug/Kg	☼	07/15/25 05:36	07/15/25 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*176*	*S1+*	*38 - 150*	*07/15/25 05:36*	*07/15/25 17:45*	*1*
2,4-Dichlorophenylacetic acid	*141*		*38 - 150*	*07/15/25 05:36*	*07/15/25 17:45*	*1*

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.28**	**J**	0.47	0.12	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluoropentanoic acid (PFPeA)	**0.97**		0.24	0.095	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluorohexanoic acid (PFHxA)	**0.52**		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluoroheptanoic acid (PFHpA)	**0.31**		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluorooctanoic acid (PFOA)	**0.29**		0.24	0.13	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluorononanoic acid (PFNA)	**0.17**	**J**	0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluorodecanoic acid (PFDA)	**0.13**	**J**	0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluorooctanesulfonic acid (PFOS)	**1.0**		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluorononanesulfonic acid (PFNS)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.47	0.12	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	**0.97**		0.47	0.12	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.47	0.12	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.063	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.2	0.30	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.2	0.30	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1

Client Sample ID: TP-7 2-3FT
Date Collected: 07/10/25 09:00
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-2
Matrix: Solid
Percent Solids: 82.5

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.47	0.12	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	**3.9**		1.2	0.30	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.2	0.30	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluorodecanesulfonic acid (PFDS)	**0.065**	**J**	0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.24	0.059	ng/g	☼	07/15/25 11:50	07/16/25 22:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92.3*		*8 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C5 PFPeA	*104*		*35 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C5 PFHxA	*98.2*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C4 PFHpA	*91.7*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C8 PFOA	*95.7*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C9 PFNA	*97.5*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C6 PFDA	*85.6*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C7 PFUnA	*92.3*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C2 PFTeDA	*87.9*		*20 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C3 PFBS	*98.6*		*40 - 135*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C3 PFHxS	*88.9*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C8 PFOS	*83.6*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C8 FOSA	*97.5*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
d3-NMeFOSAA	*105*		*40 - 135*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
d5-NEtFOSAA	*91.5*		*40 - 150*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C2 4:2 FTS	*109*		*40 - 165*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C2 6:2 FTS	*91.9*		*40 - 215*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C2 8:2 FTS	*93.9*		*40 - 275*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C3 HFPO-DA	*93.2*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
d7-N-MeFOSE-M	*74.0*		*20 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
d9-N-EtFOSE-M	*65.4*		*15 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
d5-NEtPFOSA	*76.4*		*10 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
d3-NMePFOSA	*83.4*		*10 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C2-PFDoA	*84.5*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C3-PFPrS	*92.0*		*20 - 150*	*07/15/25 11:50*	*07/16/25 22:21*	*1*
13C2 10:2 FTS	*118*		*40 - 275*	*07/15/25 11:50*	*07/16/25 22:21*	*1*

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-7 2-3FT
Date Collected: 07/10/25 09:00
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-2
Matrix: Solid
Percent Solids: 82.5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12800		12.1	10.4	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Antimony	ND		18.2	0.64	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Arsenic	7.3		2.4	1.1	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Barium	437		0.61	0.17	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Beryllium	0.61		0.24	0.048	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Cadmium	0.68		0.24	0.085	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Calcium	57600		605	327	mg/Kg	☼	07/14/25 11:02	07/16/25 20:06	10
Chromium	69.1		0.61	0.44	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Cobalt	7.4		0.61	0.12	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Copper	30.4		1.2	0.69	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Iron	16700		12.1	10.3	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Lead	1040		1.2	0.56	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Magnesium	9410		24.2	10.3	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Manganese	597		1.2	0.34	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Nickel	16.7		6.1	0.30	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Potassium	2710		36.3	29.3	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Selenium	0.98	J	4.8	0.97	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Silver	ND	^5-	0.73	0.24	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Sodium	206		169	74.2	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Thallium	ND	*+	7.3	0.92	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Vanadium	29.4		0.61	0.16	mg/Kg	☼	07/14/25 11:02	07/16/25 10:12	1
Zinc	705	^5-	24.2	12.3	mg/Kg	☼	07/14/25 11:02	07/16/25 20:06	10

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.40		0.025	0.0058	mg/Kg	☼	07/14/25 10:43	07/14/25 13:18	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: SS-2
Date Collected: 07/10/25 10:00
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-3
Matrix: Solid
Percent Solids: 93.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		110	40	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
2,4,5-Trichlorophenol	ND		180	37	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
2,4,6-Trichlorophenol	ND		180	28	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
2,4-Dichlorophenol	ND		180	35	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
2,4-Dimethylphenol	ND		180	38	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
2,4-Dinitrophenol	ND		1800	34	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
2,4-Dinitrotoluene	ND		180	25	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
2,6-Dinitrotoluene	ND		180	26	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
2-Chloronaphthalene	ND		180	34	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
2-Chlorophenol	ND		180	28	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
2-Methylnaphthalene	**220**		180	28	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
2-Methylphenol	ND		180	29	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
2-Nitroaniline	ND		350	31	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
2-Nitrophenol	ND		180	21	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
3,3'-Dichlorobenzidine	ND		350	53	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
3-Nitroaniline	ND		350	26	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
4,6-Dinitro-2-methylphenol	ND		350	40	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
4-Bromophenyl phenyl ether	ND		180	31	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
4-Chloro-3-methylphenol	ND		180	37	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
4-Chloroaniline	ND		180	26	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
4-Chlorophenyl phenyl ether	ND		180	38	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
4-Methylphenol	ND		350	32	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
4-Nitroaniline	ND		350	27	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
4-Nitrophenol	ND		350	49	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Acenaphthene	ND		180	34	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Acenaphthylene	**70**	**J**	180	35	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Acetophenone	ND		180	32	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Anthracene	**100**	**J**	180	33	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Atrazine	ND		180	61	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Benzaldehyde	ND		180	140	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Benzo[a]anthracene	**460**		180	25	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Benzo[a]pyrene	**350**		180	31	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Benzo[b]fluoranthene	**590**		180	24	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Benzo[g,h,i]perylene	**290**		180	32	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Benzo[k]fluoranthene	**230**		180	41	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Biphenyl	**41**	**J**	180	34	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
bis (2-chloroisopropyl) ether	ND		180	37	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Bis(2-chloroethoxy)methane	ND		180	35	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Bis(2-chloroethyl)ether	ND		180	34	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Bis(2-ethylhexyl) phthalate	ND		180	39	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Butyl benzyl phthalate	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Caprolactam	ND		180	42	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Carbazole	ND		180	36	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Chrysene	**690**		180	44	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Dibenz(a,h)anthracene	**110**	**J**	180	37	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Dibenzofuran	**94**	**J**	180	32	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Diethyl phthalate	ND		180	32	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Dimethyl phthalate	ND		180	35	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Di-n-butyl phthalate	ND		180	41	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1

Client Sample ID: SS-2
Date Collected: 07/10/25 10:00
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-3
Matrix: Solid
Percent Solids: 93.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		180	34	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Fluoranthene	**810**		180	33	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Fluorene	**35**	**J**	180	33	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Hexachlorobenzene	ND		180	35	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Hexachlorobutadiene	ND		180	27	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Hexachlorocyclopentadiene	ND		350	79	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Hexachloroethane	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Indeno[1,2,3-cd]pyrene	**210**		180	27	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Isophorone	ND		180	37	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Naphthalene	ND		180	30	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Nitrobenzene	ND		180	30	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
N-Nitrosodi-n-propylamine	ND		180	41	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
N-Nitrosodiphenylamine	ND		180	30	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Pentachlorophenol	ND		350	58	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Phenanthrene	**790**		180	34	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Phenol	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1
Pyrene	**640**		180	34	ug/Kg	☼	07/12/25 07:49	07/16/25 13:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1700*	*T J*	*ug/Kg*	☼	*1.92*	*N/A*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Unknown	*7800*	*T J*	*ug/Kg*	☼	*3.35*	*N/A*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Ethane, 1,1,2,2-tetrachloro-	*1100*	*T J N*	*ug/Kg*	☼	*4.49*	*79-34-5*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Octane, 2,6-dimethyl-	*670*	*T J N*	*ug/Kg*	☼	*7.71*	*2051-30-1*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Unknown	*970*	*T J*	*ug/Kg*	☼	*8.95*	*N/A*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Unknown	*620*	*T J*	*ug/Kg*	☼	*9.68*	*N/A*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Unknown	*590*	*T J*	*ug/Kg*	☼	*10.03*	*N/A*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Pentadecane, 2,6,10,14-tetramethyl-	*1700*	*T J N*	*ug/Kg*	☼	*10.32*	*1921-70-6*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Unknown	*580*	*T J*	*ug/Kg*	☼	*10.46*	*N/A*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Naphthalene, 1-methyl-7-(1-methylethyl)-	*780*	*T J N*	*ug/Kg*	☼	*10.58*	*490-65-3*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Unknown	*590*	*T J*	*ug/Kg*	☼	*10.69*	*N/A*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Unknown	*570*	*T J*	*ug/Kg*	☼	*11.19*	*N/A*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Phenanthrene, 1-methyl-	*770*	*T J N*	*ug/Kg*	☼	*11.35*	*832-69-9*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Unknown	*740*	*T J*	*ug/Kg*	☼	*11.42*	*N/A*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Heptadecane	*680*	*T J N*	*ug/Kg*	☼	*11.57*	*629-78-7*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Phenanthrene, 2,5-dimethyl-	*1000*	*T J N*	*ug/Kg*	☼	*11.84*	*3674-66-6*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
9,10-Dimethylanthracene	*790*	*T J N*	*ug/Kg*	☼	*11.87*	*781-43-1*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Unknown	*930*	*T J*	*ug/Kg*	☼	*11.92*	*N/A*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Unknown	*630*	*T J*	*ug/Kg*	☼	*12.47*	*N/A*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Unknown	*790*	*T J*	*ug/Kg*	☼	*12.84*	*N/A*	*07/12/25 07:49*	*07/16/25 13:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*10 - 140*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
2-Fluorobiphenyl	*81*		*29 - 120*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
2-Fluorophenol	*52*		*18 - 120*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Nitrobenzene-d5	*61*		*22 - 120*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
Phenol-d5	*60*		*23 - 120*	*07/12/25 07:49*	*07/16/25 13:20*	*1*
p-Terphenyl-d14	*82*		*28 - 124*	*07/12/25 07:49*	*07/16/25 13:20*	*1*

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SS-2
Lab Sample ID: 480-230990-3
Date Collected: 07/10/25 10:00
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 93.2

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4700		11.1	9.5	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Antimony	ND	F1	16.6	0.59	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Arsenic	10.3		2.2	0.97	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Barium	246	F1	0.55	0.15	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Beryllium	0.69		0.22	0.044	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Cadmium	0.18	J	0.22	0.077	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Calcium	21600	F1	276	149	mg/Kg	☼	07/14/25 11:02	07/16/25 20:08	5
Chromium	13.8		0.55	0.40	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Cobalt	6.1		0.55	0.11	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Copper	41.0		1.1	0.63	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Iron	13400		11.1	9.4	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Lead	130		1.1	0.51	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Magnesium	2930		22.1	9.4	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Manganese	133		1.1	0.31	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Nickel	16.3		5.5	0.28	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Potassium	802		33.2	26.8	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Selenium	1.1	J	4.4	0.88	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Silver	ND	^5-	0.66	0.22	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Sodium	160		155	67.8	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Thallium	ND	*+	6.6	0.84	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Vanadium	21.4		0.55	0.14	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1
Zinc	55.7	^5-	2.2	1.1	mg/Kg	☼	07/14/25 11:02	07/16/25 10:14	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.91	F1 F2	0.022	0.0050	mg/Kg	☼	07/14/25 10:43	07/14/25 13:19	1

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-8 3-4FT
Lab Sample ID: 480-230990-4
Date Collected: 07/10/25 10:25
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 81.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		120	46	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
2,4,5-Trichlorophenol	ND		210	42	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
2,4,6-Trichlorophenol	ND		210	32	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
2,4-Dichlorophenol	ND		210	41	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
2,4-Dimethylphenol	ND		210	44	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
2,4-Dinitrophenol	ND		2000	40	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
2,4-Dinitrotoluene	ND		210	28	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
2,6-Dinitrotoluene	ND		210	30	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
2-Chloronaphthalene	ND		210	39	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
2-Chlorophenol	ND		210	33	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
2-Methylnaphthalene	ND		210	33	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
2-Methylphenol	ND		210	34	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
2-Nitroaniline	ND		410	35	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
2-Nitrophenol	ND		210	24	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
3,3'-Dichlorobenzidine	ND		410	61	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
3-Nitroaniline	ND		410	29	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
4,6-Dinitro-2-methylphenol	ND		410	46	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
4-Bromophenyl phenyl ether	ND		210	35	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
4-Chloro-3-methylphenol	ND		210	43	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
4-Chloroaniline	ND		210	30	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
4-Chlorophenyl phenyl ether	ND		210	44	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
4-Methylphenol	ND		410	37	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
4-Nitroaniline	ND		410	30	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
4-Nitrophenol	ND		410	57	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Acenaphthene	ND		210	39	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Acenaphthylene	ND		210	40	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Acetophenone	ND		210	37	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Anthracene	ND		210	38	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Atrazine	ND		210	70	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Benzaldehyde	ND		210	160	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Benzo[a]anthracene	ND		210	29	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Benzo[a]pyrene	ND		210	35	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Benzo[b]fluoranthene	**58**	**J**	210	28	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Benzo[g,h,i]perylene	ND		210	36	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Benzo[k]fluoranthene	ND		210	47	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Biphenyl	ND		210	39	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
bis (2-chloroisopropyl) ether	ND		210	43	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Bis(2-chloroethoxy)methane	ND		210	40	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Bis(2-chloroethyl)ether	ND		210	39	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Bis(2-ethylhexyl) phthalate	ND		210	45	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Butyl benzyl phthalate	ND		210	38	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Caprolactam	ND		210	48	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Carbazole	ND		210	41	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Chrysene	ND		210	50	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Dibenz(a,h)anthracene	ND		210	42	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Dibenzofuran	ND		210	37	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Diethyl phthalate	ND		210	37	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Dimethyl phthalate	ND		210	40	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Di-n-butyl phthalate	ND		210	47	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-8 3-4FT
Date Collected: 07/10/25 10:25
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-4
Matrix: Solid
Percent Solids: 81.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		210	40	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Fluoranthene	**68**	**J**	210	38	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Fluorene	ND		210	38	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Hexachlorobenzene	ND		210	40	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Hexachlorobutadiene	ND		210	31	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Hexachlorocyclopentadiene	ND		410	91	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Hexachloroethane	ND		210	38	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Indeno[1,2,3-cd]pyrene	ND		210	31	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Isophorone	ND		210	43	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Naphthalene	ND		210	35	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Nitrobenzene	ND		210	35	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
N-Nitrosodi-n-propylamine	ND		210	47	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
N-Nitrosodiphenylamine	ND		210	35	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Pentachlorophenol	ND		410	66	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Phenanthrene	ND		210	39	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Phenol	ND		210	38	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1
Pyrene	**57**	**J**	210	39	ug/Kg	☼	07/12/25 07:49	07/16/25 13:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1900*	*T J*	*ug/Kg*	☼	*3.35*	*N/A*	*07/12/25 07:49*	*07/16/25 13:45*	*1*
9-Tricosene, (Z)-	*370*	*T J N*	*ug/Kg*	☼	*13.11*	*27519-02-4*	*07/12/25 07:49*	*07/16/25 13:45*	*1*
17-Pentatriacontene	*900*	*T J N*	*ug/Kg*	☼	*13.65*	*6971-40-0*	*07/12/25 07:49*	*07/16/25 13:45*	*1*
Unknown	*470*	*T J*	*ug/Kg*	☼	*14.01*	*N/A*	*07/12/25 07:49*	*07/16/25 13:45*	*1*
Tetracosanal	*430*	*T J N*	*ug/Kg*	☼	*14.51*	*1000130-69-4*	*07/12/25 07:49*	*07/16/25 13:45*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*15.09*	*N/A*	*07/12/25 07:49*	*07/16/25 13:45*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*15.33*	*N/A*	*07/12/25 07:49*	*07/16/25 13:45*	*1*
Unknown	*590*	*T J*	*ug/Kg*	☼	*16.65*	*N/A*	*07/12/25 07:49*	*07/16/25 13:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*10 - 140*	*07/12/25 07:49*	*07/16/25 13:45*	*1*
2-Fluorobiphenyl	*83*		*29 - 120*	*07/12/25 07:49*	*07/16/25 13:45*	*1*
2-Fluorophenol	*72*		*18 - 120*	*07/12/25 07:49*	*07/16/25 13:45*	*1*
Nitrobenzene-d5	*71*		*22 - 120*	*07/12/25 07:49*	*07/16/25 13:45*	*1*
Phenol-d5	*74*		*23 - 120*	*07/12/25 07:49*	*07/16/25 13:45*	*1*
p-Terphenyl-d14	*95*		*28 - 124*	*07/12/25 07:49*	*07/16/25 13:45*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15400**		11.8	10.2	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Antimony	ND		17.7	0.63	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Arsenic	**3.5**		2.4	1.0	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Barium	**78.8**		0.59	0.17	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Beryllium	**0.85**		0.24	0.047	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Cadmium	**0.18**	**J**	0.24	0.083	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Calcium	**5070**		59.0	31.8	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Chromium	**26.3**		0.59	0.42	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Cobalt	**9.2**		0.59	0.12	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Copper	**15.4**		1.2	0.67	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Iron	**16500**		11.8	10.0	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-8 3-4FT
Date Collected: 07/10/25 10:25
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-4
Matrix: Solid
Percent Solids: 81.0

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	134		1.2	0.54	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Magnesium	3890		23.6	10.0	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Manganese	307		1.2	0.33	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Nickel	15.6		5.9	0.29	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Potassium	2500		35.4	28.6	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Selenium	1.4	J	4.7	0.94	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Silver	ND	^5-	0.71	0.24	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Sodium	168		165	72.3	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Thallium	ND		7.1	0.90	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Vanadium	30.1	B	0.59	0.15	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1
Zinc	80.8	^5-	2.4	1.2	mg/Kg	☼	07/16/25 08:18	07/16/25 19:07	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.024	0.0055	mg/Kg	☼	07/14/25 10:43	07/14/25 13:24	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: SS-3
Date Collected: 07/10/25 11:20
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-5
Matrix: Solid
Percent Solids: 88.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		110	42	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
2,4,5-Trichlorophenol	ND		190	39	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
2,4,6-Trichlorophenol	ND		190	29	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
2,4-Dichlorophenol	ND		190	37	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
2,4-Dimethylphenol	ND		190	40	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
2,4-Dinitrophenol	ND		1900	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
2,4-Dinitrotoluene	ND		190	26	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
2,6-Dinitrotoluene	ND		190	27	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
2-Chloronaphthalene	ND		190	35	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
2-Chlorophenol	ND		190	30	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
2-Methylnaphthalene	ND		190	30	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
2-Methylphenol	ND		190	31	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
2-Nitroaniline	ND		370	32	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
2-Nitrophenol	ND		190	22	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
3,3'-Dichlorobenzidine	ND		370	56	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
3-Nitroaniline	ND		370	27	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
4,6-Dinitro-2-methylphenol	ND		370	42	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
4-Bromophenyl phenyl ether	ND		190	32	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
4-Chloro-3-methylphenol	ND		190	39	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
4-Chloroaniline	ND		190	27	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
4-Chlorophenyl phenyl ether	ND		190	40	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
4-Methylphenol	ND		370	34	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
4-Nitroaniline	ND		370	28	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
4-Nitrophenol	ND		370	52	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Acenaphthene	ND		190	35	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Acenaphthylene	ND		190	37	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Acetophenone	ND		190	34	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Anthracene	ND		190	35	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Atrazine	ND		190	64	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Benzaldehyde	ND		190	150	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Benzo[a]anthracene	ND		190	26	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Benzo[a]pyrene	**200**		190	32	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Benzo[b]fluoranthene	**240**		190	26	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Benzo[g,h,i]perylene	**210**		190	33	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Benzo[k]fluoranthene	**100**	**J**	190	43	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Biphenyl	ND		190	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
bis (2-chloroisopropyl) ether	ND		190	39	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Bis(2-chloroethoxy)methane	ND		190	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Bis(2-chloroethyl)ether	ND		190	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Bis(2-ethylhexyl) phthalate	ND		190	41	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Butyl benzyl phthalate	ND		190	35	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Caprolactam	ND		190	44	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Carbazole	ND		190	37	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Chrysene	ND		190	46	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Dibenz(a,h)anthracene	ND		190	39	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Dibenzofuran	ND		190	34	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Diethyl phthalate	ND		190	34	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Dimethyl phthalate	ND		190	37	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Di-n-butyl phthalate	ND		190	43	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: SS-3
Date Collected: 07/10/25 11:20
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-5
Matrix: Solid
Percent Solids: 88.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		190	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Fluoranthene	**210**		190	35	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Fluorene	ND		190	35	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Hexachlorobenzene	ND		190	37	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Hexachlorobutadiene	ND		190	28	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Hexachlorocyclopentadiene	ND		370	83	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Hexachloroethane	ND		190	35	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Indeno[1,2,3-cd]pyrene	**160**	**J**	190	28	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Isophorone	ND		190	39	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Naphthalene	ND		190	32	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Nitrobenzene	ND		190	32	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
N-Nitrosodi-n-propylamine	ND		190	43	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
N-Nitrosodiphenylamine	ND		190	32	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Pentachlorophenol	ND		370	61	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Phenanthrene	ND		190	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Phenol	ND		190	35	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1
Pyrene	**140**	**J**	190	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*540*	*T J*	*ug/Kg*	☼	*1.79*	*N/A*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
Unknown	*1700*	*T J*	*ug/Kg*	☼	*3.35*	*N/A*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
7-Hexadecenoic acid, methyl ester, (Z)-	*490*	*T J N*	*ug/Kg*	☼	*11.37*	*56875-67-3*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
n-Hexadecanoic acid	*970*	*T J N*	*ug/Kg*	☼	*11.42*	*57-10-3*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
Unknown	*640*	*T J*	*ug/Kg*	☼	*12.05*	*N/A*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
9-Tricosene, (Z)-	*650*	*T J N*	*ug/Kg*	☼	*13.11*	*27519-02-4*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
17-Pentatriacontene	*1400*	*T J N*	*ug/Kg*	☼	*13.65*	*6971-40-0*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
Octadecanal	*580*	*T J N*	*ug/Kg*	☼	*14.01*	*638-66-4*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
Cyclotetracosane	*3000*	*T J N*	*ug/Kg*	☼	*14.16*	*297-03-0*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
Unknown	*530*	*T J*	*ug/Kg*	☼	*14.51*	*N/A*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
Nonacosane	*1000*	*T J N*	*ug/Kg*	☼	*14.65*	*630-03-5*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
1-Docosene	*650*	*T J N*	*ug/Kg*	☼	*14.68*	*1599-67-3*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
17-Octadecenal	*690*	*T J N*	*ug/Kg*	☼	*15.09*	*56554-86-0*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*15.26*	*N/A*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
Unknown	*910*	*T J*	*ug/Kg*	☼	*15.34*	*N/A*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
Unknown	*680*	*T J*	*ug/Kg*	☼	*15.74*	*N/A*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
Unknown	*860*	*T J*	*ug/Kg*	☼	*16.10*	*N/A*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
Unknown	*920*	*T J*	*ug/Kg*	☼	*16.65*	*N/A*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
Unknown	*690*	*T J*	*ug/Kg*	☼	*16.74*	*N/A*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
Unknown	*530*	*T J*	*ug/Kg*	☼	*16.83*	*N/A*	*07/12/25 07:49*	*07/16/25 14:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*97*		*10 - 140*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
2-Fluorobiphenyl	*99*		*29 - 120*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
2-Fluorophenol	*78*		*18 - 120*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
Nitrobenzene-d5	*76*		*22 - 120*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
Phenol-d5	*79*		*23 - 120*	*07/12/25 07:49*	*07/16/25 14:09*	*1*
p-Terphenyl-d14	*104*		*28 - 124*	*07/12/25 07:49*	*07/16/25 14:09*	*1*

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: SS-3
Date Collected: 07/10/25 11:20
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-5
Matrix: Solid
Percent Solids: 88.3

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20300		11.6	10	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Antimony	ND		17.4	0.61	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Arsenic	6.3		2.3	1.0	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Barium	135		0.58	0.16	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Beryllium	0.88		0.23	0.046	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Cadmium	0.31		0.23	0.081	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Calcium	38800		58.0	31.3	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Chromium	24.7		0.58	0.42	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Cobalt	10.5		0.58	0.12	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Copper	21.8		1.2	0.66	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Iron	23100		11.6	9.8	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Lead	115		1.2	0.53	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Magnesium	12000		23.2	9.8	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Manganese	401		1.2	0.32	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Nickel	26.0		5.8	0.29	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Potassium	5330		34.8	28.1	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Selenium	ND		4.6	0.93	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Silver	ND	^5-	0.70	0.23	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Sodium	284		162	71.1	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Thallium	ND		7.0	0.88	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Vanadium	38.2	B	0.58	0.15	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1
Zinc	88.5	^5-	2.3	1.2	mg/Kg	☼	07/16/25 08:18	07/16/25 19:09	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.052		0.023	0.0053	mg/Kg	☼	07/14/25 10:43	07/14/25 13:25	1

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-9 6-8FT
Lab Sample ID: 480-230990-6
Date Collected: 07/10/25 12:00
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 94.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		100	39	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
2,4,5-Trichlorophenol	ND		180	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
2,4,6-Trichlorophenol	ND		180	27	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
2,4-Dichlorophenol	ND		180	35	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
2,4-Dimethylphenol	ND		180	37	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
2,4-Dinitrophenol	ND		1700	34	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
2,4-Dinitrotoluene	ND		180	24	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
2,6-Dinitrotoluene	ND		180	25	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
2-Chloronaphthalene	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
2-Chlorophenol	ND		180	28	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
2-Methylnaphthalene	ND		180	28	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
2-Methylphenol	ND		180	29	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
2-Nitroaniline	ND		340	30	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
2-Nitrophenol	ND		180	20	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
3,3'-Dichlorobenzidine	ND		340	52	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
3-Nitroaniline	ND		340	25	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
4,6-Dinitro-2-methylphenol	ND		340	39	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
4-Bromophenyl phenyl ether	ND		180	30	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
4-Chloro-3-methylphenol	ND		180	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
4-Chloroaniline	ND		180	25	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
4-Chlorophenyl phenyl ether	ND		180	37	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
4-Methylphenol	ND		340	32	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
4-Nitroaniline	ND		340	26	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
4-Nitrophenol	ND		340	48	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Acenaphthene	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Acenaphthylene	ND		180	34	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Acetophenone	ND		180	31	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Anthracene	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Atrazine	ND		180	60	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Benzaldehyde	ND		180	130	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Benzo[a]anthracene	ND		180	24	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Benzo[a]pyrene	**63**	**J**	180	30	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Benzo[b]fluoranthene	**81**	**J**	180	24	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Benzo[g,h,i]perylene	**64**	**J**	180	31	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Benzo[k]fluoranthene	ND		180	40	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Biphenyl	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
bis (2-chloroisopropyl) ether	ND		180	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Bis(2-chloroethoxy)methane	ND		180	34	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Bis(2-chloroethyl)ether	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Bis(2-ethylhexyl) phthalate	ND		180	38	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Butyl benzyl phthalate	ND		180	33	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Caprolactam	ND		180	41	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Carbazole	ND		180	35	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Chrysene	ND		180	42	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Dibenz(a,h)anthracene	ND		180	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Dibenzofuran	ND		180	31	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Diethyl phthalate	ND		180	32	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Dimethyl phthalate	ND		180	34	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Di-n-butyl phthalate	ND		180	40	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1

Client Sample ID: TP-9 6-8FT
Date Collected: 07/10/25 12:00
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-6
Matrix: Solid
Percent Solids: 94.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		180	34	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Fluoranthene	**100**	**J**	180	32	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Fluorene	ND		180	32	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Hexachlorobenzene	ND		180	34	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Hexachlorobutadiene	ND		180	26	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Hexachlorocyclopentadiene	ND		340	77	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Hexachloroethane	ND		180	32	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Indeno[1,2,3-cd]pyrene	**47**	**J**	180	26	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Isophorone	ND		180	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Naphthalene	ND		180	29	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Nitrobenzene	ND		180	30	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
N-Nitrosodi-n-propylamine	ND		180	40	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
N-Nitrosodiphenylamine	ND		180	30	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Pentachlorophenol	ND		340	56	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Phenanthrene	**65**	**J**	180	33	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Phenol	ND		180	32	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1
Pyrene	**70**	**J**	180	33	ug/Kg	☼	07/12/25 07:49	07/16/25 14:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1900*	*T J*	*ug/Kg*	☼	*3.36*	*N/A*	*07/12/25 07:49*	*07/16/25 14:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*10 - 140*	*07/12/25 07:49*	*07/16/25 14:34*	*1*
2-Fluorobiphenyl	*99*		*29 - 120*	*07/12/25 07:49*	*07/16/25 14:34*	*1*
2-Fluorophenol	*76*		*18 - 120*	*07/12/25 07:49*	*07/16/25 14:34*	*1*
Nitrobenzene-d5	*80*		*22 - 120*	*07/12/25 07:49*	*07/16/25 14:34*	*1*
Phenol-d5	*75*		*23 - 120*	*07/12/25 07:49*	*07/16/25 14:34*	*1*
p-Terphenyl-d14	*96*		*28 - 124*	*07/12/25 07:49*	*07/16/25 14:34*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16300**		10.5	9.0	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Antimony	ND		15.7	0.55	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Arsenic	**4.2**		2.1	0.92	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Barium	**97.0**		0.52	0.15	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Beryllium	**0.71**		0.21	0.042	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Cadmium	**0.27**		0.21	0.073	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Calcium	**28900**		52.3	28.2	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Chromium	**19.7**		0.52	0.38	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Cobalt	**10.2**		0.52	0.10	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Copper	**19.2**		1.0	0.60	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Iron	**19800**		10.5	8.9	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Lead	**68.5**		1.0	0.48	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Magnesium	**11900**		20.9	8.9	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Manganese	**483**		1.0	0.29	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Nickel	**21.3**		5.2	0.26	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Potassium	**4070**		31.4	25.4	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Selenium	ND		4.2	0.84	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Silver	ND	^5-	0.63	0.21	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Sodium	**252**		147	64.2	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-9 6-8FT
Date Collected: 07/10/25 12:00
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-6
Matrix: Solid
Percent Solids: 94.0

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		6.3	0.80	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Vanadium	**31.7**	**B**	0.52	0.14	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1
Zinc	**104**	**^5-**	2.1	1.1	mg/Kg	☼	07/16/25 08:18	07/16/25 19:18	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.042**		0.021	0.0048	mg/Kg	☼	07/14/25 10:43	07/14/25 13:29	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-9 12FT
Date Collected: 07/10/25 12:20
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-7
Matrix: Solid
Percent Solids: 85.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		120	44	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
2,4,5-Trichlorophenol	ND		200	40	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
2,4-Dichlorophenol	ND		200	39	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
2,4-Dimethylphenol	ND		200	42	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
2,4-Dinitrophenol	ND		1900	38	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
2,6-Dinitrotoluene	ND		200	28	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
2-Chloronaphthalene	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
2-Chlorophenol	ND		200	31	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
2-Methylnaphthalene	ND		200	31	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
2-Methylphenol	ND		200	32	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
2-Nitroaniline	ND		390	34	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
2-Nitrophenol	ND		200	22	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
3,3'-Dichlorobenzidine	ND		390	58	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
3-Nitroaniline	ND		390	28	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
4,6-Dinitro-2-methylphenol	ND		390	43	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
4-Bromophenyl phenyl ether	ND		200	34	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
4-Chloro-3-methylphenol	ND		200	41	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
4-Chloroaniline	ND		200	28	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
4-Chlorophenyl phenyl ether	ND		200	42	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
4-Methylphenol	ND		390	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
4-Nitroaniline	ND		390	29	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
4-Nitrophenol	ND		390	54	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Acenaphthene	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Acenaphthylene	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Acetophenone	ND		200	35	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Anthracene	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Atrazine	ND		200	67	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Benzaldehyde	ND		200	150	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Benzo[a]anthracene	ND		200	27	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Benzo[a]pyrene	ND		200	34	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Benzo[b]fluoranthene	ND		200	27	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Benzo[g,h,i]perylene	ND		200	35	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Benzo[k]fluoranthene	ND		200	44	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Biphenyl	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Bis(2-chloroethoxy)methane	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Bis(2-chloroethyl)ether	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Bis(2-ethylhexyl) phthalate	ND		200	43	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Butyl benzyl phthalate	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Caprolactam	ND		200	46	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Carbazole	ND		200	39	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Chrysene	ND		200	48	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Dibenz(a,h)anthracene	ND		200	40	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Dibenzofuran	ND		200	35	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Diethyl phthalate	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Dimethyl phthalate	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Di-n-butyl phthalate	ND		200	44	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1

Client Sample ID: TP-9 12FT
Lab Sample ID: 480-230990-7

Date Collected: 07/10/25 12:20
Matrix: Solid

Date Received: 07/10/25 16:20
Percent Solids: 85.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Fluoranthene	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Fluorene	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Hexachlorobenzene	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Hexachlorocyclopentadiene	ND		390	87	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Hexachloroethane	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Indeno[1,2,3-cd]pyrene	ND		200	30	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Isophorone	ND		200	41	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Naphthalene	ND		200	33	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Nitrobenzene	ND		200	33	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
N-Nitrosodi-n-propylamine	ND		200	44	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
N-Nitrosodiphenylamine	ND		200	33	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Pentachlorophenol	ND		390	63	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Phenanthrene	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Phenol	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1
Pyrene	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/16/25 14:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*3.35*	*N/A*	*07/12/25 07:49*	*07/16/25 14:58*	*1*
Unknown	*380*	*T J*	*ug/Kg*	☼	*10.30*	*N/A*	*07/12/25 07:49*	*07/16/25 14:58*	*1*
Docosane	*360*	*T J N*	*ug/Kg*	☼	*13.11*	*629-97-0*	*07/12/25 07:49*	*07/16/25 14:58*	*1*
Unknown	*410*	*T J*	*ug/Kg*	☼	*13.87*	*N/A*	*07/12/25 07:49*	*07/16/25 14:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*10 - 140*	*07/12/25 07:49*	*07/16/25 14:58*	*1*
2-Fluorobiphenyl	*87*		*29 - 120*	*07/12/25 07:49*	*07/16/25 14:58*	*1*
2-Fluorophenol	*72*		*18 - 120*	*07/12/25 07:49*	*07/16/25 14:58*	*1*
Nitrobenzene-d5	*67*		*22 - 120*	*07/12/25 07:49*	*07/16/25 14:58*	*1*
Phenol-d5	*75*		*23 - 120*	*07/12/25 07:49*	*07/16/25 14:58*	*1*
p-Terphenyl-d14	*96*		*28 - 124*	*07/12/25 07:49*	*07/16/25 14:58*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16000**		11.4	9.9	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Antimony	ND		17.2	0.61	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Arsenic	**2.2**	**J**	2.3	1.0	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Barium	**93.5**		0.57	0.16	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Beryllium	**0.68**		0.23	0.046	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Cadmium	**0.19**	**J**	0.23	0.080	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Calcium	**68700**		57.2	30.9	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Chromium	**19.4**		0.57	0.41	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Cobalt	**9.0**		0.57	0.11	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Copper	**14.9**		1.1	0.65	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Iron	**18900**		11.4	9.7	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Lead	**21.0**		1.1	0.53	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Magnesium	**27600**		22.9	9.7	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Manganese	**454**		1.1	0.32	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Nickel	**19.9**		5.7	0.29	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Potassium	**5340**		34.3	27.7	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-9 12FT
Date Collected: 07/10/25 12:20
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-7
Matrix: Solid
Percent Solids: 85.3

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		4.6	0.92	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Silver	ND	^5-	0.69	0.23	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Sodium	**340**		160	70.2	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Thallium	ND		6.9	0.87	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Vanadium	**31.2**	**B**	0.57	0.15	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1
Zinc	**63.2**	**^5-**	2.3	1.2	mg/Kg	☼	07/16/25 08:18	07/16/25 19:20	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.012**	**J**	0.023	0.0053	mg/Kg	☼	07/14/25 10:43	07/14/25 13:31	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: SS-4
Date Collected: 07/10/25 12:40
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-8
Matrix: Solid
Percent Solids: 85.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		110	43	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
2,4,5-Trichlorophenol	ND		190	39	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
2,4,6-Trichlorophenol	ND		190	29	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
2,4-Dichlorophenol	ND		190	38	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
2,4-Dimethylphenol	ND		190	41	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
2,4-Dinitrophenol	ND		1900	37	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
2,4-Dinitrotoluene	ND		190	26	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
2,6-Dinitrotoluene	ND		190	28	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
2-Chloronaphthalene	ND		190	36	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
2-Chlorophenol	ND		190	30	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
2-Methylnaphthalene	ND		190	30	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
2-Methylphenol	ND		190	31	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
2-Nitroaniline	ND		380	33	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
2-Nitrophenol	ND		190	22	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
3,3'-Dichlorobenzidine	ND		380	57	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
3-Nitroaniline	ND		380	27	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
4,6-Dinitro-2-methylphenol	ND		380	42	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
4-Bromophenyl phenyl ether	ND		190	33	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
4-Chloro-3-methylphenol	ND		190	40	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
4-Chloroaniline	ND		190	28	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
4-Chlorophenyl phenyl ether	ND		190	41	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
4-Methylphenol	ND		380	35	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
4-Nitroaniline	ND		380	28	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
4-Nitrophenol	ND		380	53	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Acenaphthene	ND		190	36	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Acenaphthylene	ND		190	37	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Acetophenone	ND		190	34	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Anthracene	ND		190	36	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Atrazine	ND		190	65	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Benzaldehyde	ND		190	150	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Benzo[a]anthracene	**160**	**J**	190	27	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Benzo[a]pyrene	**320**		190	33	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Benzo[b]fluoranthene	**290**		190	26	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Benzo[g,h,i]perylene	**330**		190	34	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Benzo[k]fluoranthene	**220**		190	43	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Biphenyl	ND		190	36	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
bis (2-chloroisopropyl) ether	ND		190	40	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Bis(2-chloroethoxy)methane	ND		190	37	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Bis(2-chloroethyl)ether	ND		190	36	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Bis(2-ethylhexyl) phthalate	ND		190	42	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Butyl benzyl phthalate	ND		190	36	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Caprolactam	ND		190	45	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Carbazole	ND		190	38	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Chrysene	**170**	**J**	190	47	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Dibenz(a,h)anthracene	**90**	**J**	190	39	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Dibenzofuran	ND		190	34	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Diethyl phthalate	ND		190	35	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Dimethyl phthalate	ND		190	37	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Di-n-butyl phthalate	ND		190	43	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: SS-4
Date Collected: 07/10/25 12:40
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-8
Matrix: Solid
Percent Solids: 85.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		190	37	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Fluoranthene	**190**		190	35	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Fluorene	ND		190	35	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Hexachlorobenzene	ND		190	37	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Hexachlorobutadiene	ND		190	29	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Hexachlorocyclopentadiene	ND		380	85	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Hexachloroethane	ND		190	35	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Indeno[1,2,3-cd]pyrene	**290**		190	29	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Isophorone	ND		190	40	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Naphthalene	ND		190	32	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Nitrobenzene	ND		190	32	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
N-Nitrosodi-n-propylamine	ND		190	43	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
N-Nitrosodiphenylamine	ND		190	32	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Pentachlorophenol	ND		380	62	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Phenanthrene	**98**	**J**	190	36	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Phenol	ND		190	35	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1
Pyrene	**160**	**J**	190	37	ug/Kg	☼	07/12/25 07:49	07/16/25 15:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2100*	*T J*	*ug/Kg*	☼	*3.36*	*N/A*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
Unknown	*450*	*T J*	*ug/Kg*	☼	*10.30*	*N/A*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
Unknown	*570*	*T J*	*ug/Kg*	☼	*11.37*	*N/A*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
Unknown	*640*	*T J*	*ug/Kg*	☼	*11.41*	*N/A*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*12.96*	*N/A*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
Tetradecane, 1,14-dibromo-	*550*	*T J N*	*ug/Kg*	☼	*13.11*	*1000163-85-9*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
1-Octadecanethiol	*640*	*T J N*	*ug/Kg*	☼	*13.65*	*2885-00-9*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
Unknown	*590*	*T J*	*ug/Kg*	☼	*13.79*	*N/A*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*13.88*	*N/A*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
Unknown	*690*	*T J*	*ug/Kg*	☼	*14.16*	*N/A*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
Unknown	*600*	*T J*	*ug/Kg*	☼	*15.34*	*N/A*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
D-Friedoolean-14-en-3-one	*2200*	*T J N*	*ug/Kg*	☼	*15.61*	*514-07-8*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
Unknown	*830*	*T J*	*ug/Kg*	☼	*15.75*	*N/A*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
Unknown	*490*	*T J*	*ug/Kg*	☼	*16.04*	*N/A*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
Unknown	*610*	*T J*	*ug/Kg*	☼	*16.10*	*N/A*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
Unknown	*1800*	*T J*	*ug/Kg*	☼	*16.74*	*N/A*	*07/12/25 07:49*	*07/16/25 15:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*97*		*10 - 140*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
2-Fluorobiphenyl	*104*		*29 - 120*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
2-Fluorophenol	*76*		*18 - 120*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
Nitrobenzene-d5	*76*		*22 - 120*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
Phenol-d5	*73*		*23 - 120*	*07/12/25 07:49*	*07/16/25 15:22*	*1*
p-Terphenyl-d14	*91*		*28 - 124*	*07/12/25 07:49*	*07/16/25 15:22*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.7	0.71	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
4,4'-DDE	ND		3.7	0.77	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
4,4'-DDT	**1.7**	**J**	3.7	0.86	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: SS-4
Date Collected: 07/10/25 12:40
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-8
Matrix: Solid
Percent Solids: 85.6

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		3.7	0.90	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
alpha-BHC	ND		3.7	0.66	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
cis-Chlordane	ND		3.7	1.8	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
beta-BHC	ND		3.7	0.66	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
delta-BHC	ND		3.7	0.68	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
Dieldrin	ND		3.7	0.88	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
Endosulfan I	ND		3.7	0.70	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
Endosulfan II	ND		3.7	0.66	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
Endosulfan sulfate	ND		3.7	0.68	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
Endrin	ND		3.7	0.72	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
Endrin aldehyde	ND		3.7	0.94	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
Endrin ketone	ND		3.7	0.90	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
gamma-BHC (Lindane)	ND		3.7	0.67	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
trans-Chlordane	**1.2**	**J**	3.7	1.2	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
Heptachlor	ND		3.7	0.79	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
Heptachlor epoxide	ND		3.7	0.94	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
Methoxychlor	**1.5**	**J**	3.7	0.75	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1
Toxaphene	ND		37	21	ug/Kg	☼	07/15/25 06:52	07/18/25 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*45 - 120*	*07/15/25 06:52*	*07/18/25 12:15*	*1*
DCB Decachlorobiphenyl	*80*		*45 - 120*	*07/15/25 06:52*	*07/18/25 12:15*	*1*
Tetrachloro-m-xylene	*70*		*30 - 124*	*07/15/25 06:52*	*07/18/25 12:15*	*1*
Tetrachloro-m-xylene	*72*		*30 - 124*	*07/15/25 06:52*	*07/18/25 12:15*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.059	0.029	mg/Kg	☼	07/15/25 08:55	07/15/25 20:46	1
PCB-1221	ND		0.059	0.035	mg/Kg	☼	07/15/25 08:55	07/15/25 20:46	1
PCB-1232	ND		0.059	0.025	mg/Kg	☼	07/15/25 08:55	07/15/25 20:46	1
PCB-1242	ND		0.059	0.022	mg/Kg	☼	07/15/25 08:55	07/15/25 20:46	1
PCB-1248	ND		0.059	0.020	mg/Kg	☼	07/15/25 08:55	07/15/25 20:46	1
PCB-1254	ND		0.059	0.025	mg/Kg	☼	07/15/25 08:55	07/15/25 20:46	1
PCB-1260	ND		0.059	0.025	mg/Kg	☼	07/15/25 08:55	07/15/25 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*10 - 149*	*07/15/25 08:55*	*07/15/25 20:46*	*1*
DCB Decachlorobiphenyl	*83*		*10 - 174*	*07/15/25 08:55*	*07/15/25 20:46*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		39	8.2	ug/Kg	☼	07/15/25 05:36	07/15/25 18:04	1
Silvex (2,4,5-TP)	ND		39	4.0	ug/Kg	☼	07/15/25 05:36	07/15/25 18:04	1
2,4-D	ND		39	14	ug/Kg	☼	07/15/25 05:36	07/15/25 18:04	1
Dichlorprop	ND		39	11	ug/Kg	☼	07/15/25 05:36	07/15/25 18:04	1
Pentachlorophenol	ND	*+	9.7	3.3	ug/Kg	☼	07/15/25 05:36	07/15/25 18:04	1
Picloram	ND		9.7	8.5	ug/Kg	☼	07/15/25 05:36	07/15/25 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*138*		*38 - 150*	*07/15/25 05:36*	*07/15/25 18:04*	*1*
2,4-Dichlorophenylacetic acid	*118*		*38 - 150*	*07/15/25 05:36*	*07/15/25 18:04*	*1*

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: SS-4
Date Collected: 07/10/25 12:40
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-8
Matrix: Solid
Percent Solids: 85.6

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.36**	**J**	0.48	0.12	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluoropentanoic acid (PFPeA)	**0.88**		0.24	0.097	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluorohexanoic acid (PFHxA)	**0.32**		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluoroheptanoic acid (PFHpA)	**0.14**	**J**	0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluorooctanoic acid (PFOA)	ND		0.24	0.13	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluorononanoic acid (PFNA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluorodecanoic acid (PFDA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluorooctanesulfonic acid (PFOS)	**0.13**	**J**	0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluorononanesulfonic acid (PFNS)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.48	0.12	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.48	0.12	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.48	0.12	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.064	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.2	0.30	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.2	0.30	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1

Client Sample ID: SS-4
Lab Sample ID: 480-230990-8
Date Collected: 07/10/25 12:40
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 85.6

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.48	0.12	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	**0.33**	**J**	1.2	0.30	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.2	0.30	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.24	0.060	ng/g	☼	07/15/25 11:50	07/16/25 22:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78.6*		*8 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C5 PFPeA	*87.7*		*35 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C5 PFHxA	*86.7*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C4 PFHpA	*81.8*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C8 PFOA	*89.2*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C9 PFNA	*91.0*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C6 PFDA	*81.6*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C7 PFUnA	*83.6*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C2 PFTeDA	*78.2*		*20 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C3 PFBS	*76.2*		*40 - 135*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C3 PFHxS	*72.0*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C8 PFOS	*71.8*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C8 FOSA	*83.6*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
d3-NMeFOSAA	*88.4*		*40 - 135*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
d5-NEtFOSAA	*79.9*		*40 - 150*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C2 4:2 FTS	*79.9*		*40 - 165*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C2 6:2 FTS	*69.5*		*40 - 215*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C2 8:2 FTS	*71.4*		*40 - 275*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C3 HFPO-DA	*82.0*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
d7-N-MeFOSE-M	*74.3*		*20 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
d9-N-EtFOSE-M	*65.0*		*15 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
d5-NEtPFOSA	*73.1*		*10 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
d3-NMePFOSA	*76.1*		*10 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C2-PFDoA	*77.2*		*40 - 130*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C3-PFPrS	*73.2*		*20 - 150*	*07/15/25 11:50*	*07/16/25 22:38*	*1*
13C2 10:2 FTS	*81.2*		*40 - 275*	*07/15/25 11:50*	*07/16/25 22:38*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**27100**		11.1	9.6	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Antimony	ND		16.7	0.59	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Arsenic	**4.3**		2.2	0.98	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Barium	**157**		0.56	0.16	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Beryllium	**1.2**		0.22	0.045	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Cadmium	**0.17**	**J**	0.22	0.078	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Calcium	**50200**		55.7	30.1	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Chromium	**32.3**		0.56	0.40	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Cobalt	**13.6**		0.56	0.11	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Copper	**23.8**		1.1	0.64	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: SS-4
Date Collected: 07/10/25 12:40
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-8
Matrix: Solid
Percent Solids: 85.6

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	30100		11.1	9.4	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Lead	34.9		1.1	0.51	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Magnesium	14400		22.3	9.4	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Manganese	491		1.1	0.31	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Nickel	33.5		5.6	0.28	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Potassium	8020		33.4	27.0	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Selenium	ND		4.5	0.89	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Silver	0.23	J ^5-	0.67	0.22	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Sodium	379		156	68.3	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Thallium	ND		6.7	0.85	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Vanadium	50.3	B	0.56	0.14	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1
Zinc	78.9	^5-	2.2	1.1	mg/Kg	☼	07/16/25 08:18	07/16/25 19:22	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.023	0.0052	mg/Kg	☼	07/14/25 10:43	07/14/25 13:32	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-10 6-8FT
Date Collected: 07/10/25 13:20
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-9
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		58	16	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
1,1,2,2-Tetrachloroethane	ND		58	9.4	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		58	29	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
1,1,2-Trichloroethane	ND		58	12	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
1,1-Dichloroethane	ND		58	18	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
1,1-Dichloroethene	ND		58	20	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
1,2,4-Trichlorobenzene	ND		58	22	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
1,2,4-Trimethylbenzene	**170**		58	16	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
1,2-Dibromo-3-Chloropropane	ND		58	29	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
1,2-Dichlorobenzene	ND		58	15	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
1,2-Dichloroethane	ND		58	24	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
1,2-Dichloropropane	ND		58	9.4	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
1,3,5-Trimethylbenzene	**98**		58	17	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
1,3-Dichlorobenzene	ND		58	15	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
1,4-Dichlorobenzene	ND		58	8.1	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
2-Butanone (MEK)	ND		290	170	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
2-Hexanone	ND		290	120	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
4-Isopropyltoluene	ND		58	19	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
4-Methyl-2-pentanone (MIBK)	ND	*+	290	18	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Acetone	ND		290	240	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Benzene	ND		58	11	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Bromoform	ND		58	29	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Bromomethane	ND		58	13	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Carbon disulfide	ND		58	26	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Carbon tetrachloride	ND		58	15	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Chlorobenzene	ND		58	7.6	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Dibromochloromethane	ND		58	28	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Chloroethane	ND		58	12	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Chloroform	ND		58	40	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Chloromethane	ND		58	14	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
cis-1,2-Dichloroethene	ND		58	16	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Cyclohexane	ND		58	13	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Bromodichloromethane	ND		58	12	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Dichlorodifluoromethane	ND		58	25	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Ethylbenzene	ND		58	17	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
1,2-Dibromoethane	ND		58	10	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Isopropylbenzene	ND		58	8.7	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Methyl acetate	**170**	**J**	290	27	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Methyl tert-butyl ether	ND		58	22	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Methylcyclohexane	ND		58	27	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Methylene Chloride	ND		58	11	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
m,p-Xylene	ND		120	32	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Naphthalene	**1000**		58	19	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
n-Butylbenzene	**47**	**J**	58	17	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
N-Propylbenzene	**21**	**J**	58	15	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
o-Xylene	ND		58	7.5	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
sec-Butylbenzene	**33**	**J**	58	21	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Tetrachloroethene	ND		58	7.8	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Toluene	ND		58	15	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-10 6-8FT
Date Collected: 07/10/25 13:20
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-9
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		58	14	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
trans-1,3-Dichloropropene	ND		58	5.7	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Trichloroethene	ND		58	16	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Trichlorofluoromethane	ND		58	27	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Vinyl chloride	ND		58	19	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Xylenes, Total	ND		120	32	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
cis-1,3-Dichloropropene	ND		58	14	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
Styrene	ND		58	14	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1
tert-Butylbenzene	ND		58	16	ug/Kg	☼	07/17/25 10:41	07/17/25 15:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Nonane, 3-methyl-	*580*	*T J N*	*ug/Kg*	☼	*8.37*	*5911-04-6*	*07/17/25 10:41*	*07/17/25 15:08*	*1*
Unknown	*480*	*T J*	*ug/Kg*	☼	*8.70*	*N/A*	*07/17/25 10:41*	*07/17/25 15:08*	*1*
Nonane, 4-methyl-	*480*	*T J N*	*ug/Kg*	☼	*8.76*	*17301-94-9*	*07/17/25 10:41*	*07/17/25 15:08*	*1*
Unknown	*550*	*T J*	*ug/Kg*	☼	*10.69*	*N/A*	*07/17/25 10:41*	*07/17/25 15:08*	*1*
n-Amylcyclohexane	*940*	*T J N*	*ug/Kg*	☼	*11.04*	*29949-27-7*	*07/17/25 10:41*	*07/17/25 15:08*	*1*
Undecane, 2,6-dimethyl-	*1100*	*T J N*	*ug/Kg*	☼	*11.62*	*17301-23-4*	*07/17/25 10:41*	*07/17/25 15:08*	*1*
Unknown	*390*	*T J*	*ug/Kg*	☼	*12.01*	*N/A*	*07/17/25 10:41*	*07/17/25 15:08*	*1*
Naphthalene, 2-methyl-	*1200*	*T J N*	*ug/Kg*	☼	*13.02*	*91-57-6*	*07/17/25 10:41*	*07/17/25 15:08*	*1*
Benzocycloheptatriene	*860*	*T J N*	*ug/Kg*	☼	*13.17*	*264-09-5*	*07/17/25 10:41*	*07/17/25 15:08*	*1*
Naphthalene, 2,7-dimethyl-	*450*	*T J N*	*ug/Kg*	☼	*13.95*	*582-16-1*	*07/17/25 10:41*	*07/17/25 15:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*	*07/17/25 10:41*	*07/17/25 15:08*	*1*
4-Bromofluorobenzene (Surr)	*87*		*49 - 148*	*07/17/25 10:41*	*07/17/25 15:08*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*07/17/25 10:41*	*07/17/25 15:08*	*1*
Dibromofluoromethane (Surr)	*80*		*60 - 140*	*07/17/25 10:41*	*07/17/25 15:08*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		120	44	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
2,4,5-Trichlorophenol	ND		200	40	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
2,4-Dichlorophenol	ND		200	39	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
2,4-Dimethylphenol	ND		200	42	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
2,4-Dinitrophenol	ND		1900	38	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
2,6-Dinitrotoluene	ND		200	28	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
2-Chloronaphthalene	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
2-Chlorophenol	ND		200	31	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
2-Methylnaphthalene	**2500**		200	31	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
2-Methylphenol	ND		200	32	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
2-Nitroaniline	ND		390	34	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
2-Nitrophenol	ND		200	23	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
3,3'-Dichlorobenzidine	ND		390	58	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
3-Nitroaniline	ND		390	28	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
4,6-Dinitro-2-methylphenol	ND		390	44	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
4-Bromophenyl phenyl ether	ND		200	34	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
4-Chloro-3-methylphenol	ND		200	41	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
4-Chloroaniline	ND		200	29	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-10 6-8FT
Date Collected: 07/10/25 13:20
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-9
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		200	42	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
4-Methylphenol	ND		390	36	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
4-Nitroaniline	ND		390	29	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
4-Nitrophenol	ND		390	54	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Acenaphthene	**1600**		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Acenaphthylene	**72**	**J**	200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Acetophenone	ND		200	35	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Anthracene	**520**		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Atrazine	ND		200	67	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Benzaldehyde	ND		200	150	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Benzo[a]anthracene	**150**	**J**	200	27	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Benzo[a]pyrene	**98**	**J**	200	34	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Benzo[b]fluoranthene	**100**	**J**	200	27	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Benzo[g,h,i]perylene	ND		200	35	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Benzo[k]fluoranthene	**71**	**J**	200	44	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Biphenyl	**560**		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Bis(2-chloroethoxy)methane	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Bis(2-chloroethyl)ether	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Bis(2-ethylhexyl) phthalate	ND		200	43	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Butyl benzyl phthalate	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Caprolactam	ND		200	46	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Carbazole	**81**	**J**	200	39	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Chrysene	**120**	**J**	200	48	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Dibenz(a,h)anthracene	ND		200	40	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Dibenzofuran	**1500**		200	35	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Diethyl phthalate	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Dimethyl phthalate	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Di-n-butyl phthalate	ND		200	44	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Di-n-octyl phthalate	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Fluoranthene	**550**		200	36	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Fluorene	**1100**		200	36	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Hexachlorobenzene	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Hexachlorocyclopentadiene	ND		390	87	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Hexachloroethane	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Indeno[1,2,3-cd]pyrene	**51**	**J**	200	30	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Isophorone	ND		200	41	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Naphthalene	**1400**		200	33	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Nitrobenzene	ND		200	33	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
N-Nitrosodi-n-propylamine	ND		200	44	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
N-Nitrosodiphenylamine	ND		200	33	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Pentachlorophenol	ND		390	63	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Phenanthrene	**2000**		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Phenol	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1
Pyrene	**360**		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 14:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*7300*	*T J*	*ug/Kg*	☼	*1.88*	*N/A*	*07/12/25 07:49*	*07/18/25 14:13*	*1*
Unknown	*2700*	*T J*	*ug/Kg*	☼	*3.29*	*N/A*	*07/12/25 07:49*	*07/18/25 14:13*	*1*

Client Sample ID: TP-10 6-8FT
Lab Sample ID: 480-230990-9
Date Collected: 07/10/25 13:20
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 82.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1100	T J	ug/Kg	☼	4.64	N/A	07/12/25 07:49	07/18/25 14:13	1
Unknown	740	T J	ug/Kg	☼	4.89	N/A	07/12/25 07:49	07/18/25 14:13	1
Unknown	1200	T J	ug/Kg	☼	4.97	N/A	07/12/25 07:49	07/18/25 14:13	1
Unknown	890	T J	ug/Kg	☼	5.19	N/A	07/12/25 07:49	07/18/25 14:13	1
Unknown	1500	T J	ug/Kg	☼	5.62	N/A	07/12/25 07:49	07/18/25 14:13	1
Unknown	1200	T J	ug/Kg	☼	5.75	N/A	07/12/25 07:49	07/18/25 14:13	1
Unknown	690	T J	ug/Kg	☼	5.89	N/A	07/12/25 07:49	07/18/25 14:13	1
Unknown	740	T J	ug/Kg	☼	5.98	N/A	07/12/25 07:49	07/18/25 14:13	1
Unknown	650	T J	ug/Kg	☼	6.04	N/A	07/12/25 07:49	07/18/25 14:13	1
Unknown	840	T J	ug/Kg	☼	6.37	N/A	07/12/25 07:49	07/18/25 14:13	1
Unknown	810	T J	ug/Kg	☼	6.48	N/A	07/12/25 07:49	07/18/25 14:13	1
Unknown	890	T J	ug/Kg	☼	6.68	N/A	07/12/25 07:49	07/18/25 14:13	1
Unknown	680	T J	ug/Kg	☼	6.78	N/A	07/12/25 07:49	07/18/25 14:13	1
Undecane, 2,6-dimethyl-	1200	T J N	ug/Kg	☼	7.24	17301-23-4	07/12/25 07:49	07/18/25 14:13	1
Unknown	980	T J	ug/Kg	☼	7.67	N/A	07/12/25 07:49	07/18/25 14:13	1
Naphthalene, 1-methyl-	1400	T J N	ug/Kg	☼	8.05	90-12-0	07/12/25 07:49	07/18/25 14:13	1
Naphthalene, 1,6-dimethyl-	730	T J N	ug/Kg	☼	8.77	575-43-9	07/12/25 07:49	07/18/25 14:13	1
Unknown	690	T J	ug/Kg	☼	8.91	N/A	07/12/25 07:49	07/18/25 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	105		10 - 140	07/12/25 07:49	07/18/25 14:13	1
2-Fluorobiphenyl	91		29 - 120	07/12/25 07:49	07/18/25 14:13	1
2-Fluorophenol	85		18 - 120	07/12/25 07:49	07/18/25 14:13	1
Nitrobenzene-d5	93		22 - 120	07/12/25 07:49	07/18/25 14:13	1
Phenol-d5	91		23 - 120	07/12/25 07:49	07/18/25 14:13	1
p-Terphenyl-d14	104		28 - 124	07/12/25 07:49	07/18/25 14:13	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		77	15	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
4,4'-DDE	ND		77	16	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
4,4'-DDT	**32**	**J**	77	18	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
Aldrin	ND		77	19	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
alpha-BHC	ND		77	14	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
cis-Chlordane	ND		77	38	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
beta-BHC	ND		77	14	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
delta-BHC	ND		77	14	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
Dieldrin	ND		77	18	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
Endosulfan I	ND		77	15	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
Endosulfan II	ND		77	14	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
Endosulfan sulfate	ND		77	14	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
Endrin	ND		77	15	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
Endrin aldehyde	ND		77	20	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
Endrin ketone	ND		77	19	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
gamma-BHC (Lindane)	ND		77	14	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
trans-Chlordane	ND		77	24	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
Heptachlor	ND		77	17	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
Heptachlor epoxide	ND		77	20	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20
Methoxychlor	ND		77	16	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20

Client Sample ID: TP-10 6-8FT
Date Collected: 07/10/25 13:20
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-9
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		770	450	ug/Kg	☼	07/15/25 06:52	07/18/25 12:35	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*S1-*	*45 - 120*	*07/15/25 06:52*	*07/18/25 12:35*	*20*
DCB Decachlorobiphenyl	*0*	*S1-*	*45 - 120*	*07/15/25 06:52*	*07/18/25 12:35*	*20*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 124*	*07/15/25 06:52*	*07/18/25 12:35*	*20*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 124*	*07/15/25 06:52*	*07/18/25 12:35*	*20*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.061	0.031	mg/Kg	☼	07/15/25 08:55	07/15/25 21:00	1
PCB-1221	ND		0.061	0.037	mg/Kg	☼	07/15/25 08:55	07/15/25 21:00	1
PCB-1232	ND		0.061	0.026	mg/Kg	☼	07/15/25 08:55	07/15/25 21:00	1
PCB-1242	ND		0.061	0.023	mg/Kg	☼	07/15/25 08:55	07/15/25 21:00	1
PCB-1248	ND		0.061	0.021	mg/Kg	☼	07/15/25 08:55	07/15/25 21:00	1
PCB-1254	ND		0.061	0.026	mg/Kg	☼	07/15/25 08:55	07/15/25 21:00	1
PCB-1260	ND		0.061	0.026	mg/Kg	☼	07/15/25 08:55	07/15/25 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*65*		*10 - 149*	*07/15/25 08:55*	*07/15/25 21:00*	*1*
DCB Decachlorobiphenyl	*85*		*10 - 174*	*07/15/25 08:55*	*07/15/25 21:00*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		40	8.6	ug/Kg	☼	07/15/25 05:36	07/15/25 18:23	1
Silvex (2,4,5-TP)	ND		40	4.2	ug/Kg	☼	07/15/25 05:36	07/15/25 18:23	1
2,4-D	ND		40	15	ug/Kg	☼	07/15/25 05:36	07/15/25 18:23	1
Dichlorprop	ND		40	12	ug/Kg	☼	07/15/25 05:36	07/15/25 18:23	1
Pentachlorophenol	ND	*+	10	3.4	ug/Kg	☼	07/15/25 05:36	07/15/25 18:23	1
Picloram	ND		10	8.8	ug/Kg	☼	07/15/25 05:36	07/15/25 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*403*	*S1+*	*38 - 150*	*07/15/25 05:36*	*07/15/25 18:23*	*1*
2,4-Dichlorophenylacetic acid	*142*		*38 - 150*	*07/15/25 05:36*	*07/15/25 18:23*	*1*

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.16**	**J**	0.49	0.12	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluoropentanoic acid (PFPeA)	**0.89**		0.24	0.097	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluorohexanoic acid (PFHxA)	**0.38**		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluoroheptanoic acid (PFHpA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluorooctanoic acid (PFOA)	ND		0.24	0.13	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluorononanoic acid (PFNA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluorodecanoic acid (PFDA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1

Client Sample ID: TP-10 6-8FT
Lab Sample ID: 480-230990-9
Date Collected: 07/10/25 13:20
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 82.5

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluorononanesulfonic acid (PFNS)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.49	0.12	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	**0.19**	**J**	0.49	0.12	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.49	0.12	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.065	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.2	0.30	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.2	0.30	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.49	0.12	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.2	0.30	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.2	0.30	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.24	0.061	ng/g	☼	07/16/25 12:09	07/17/25 14:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*64.6*		*8 - 130*	*07/16/25 12:09*	*07/17/25 14:42*	*1*
13C5 PFPeA	*77.7*		*35 - 130*	*07/16/25 12:09*	*07/17/25 14:42*	*1*
13C5 PFHxA	*73.1*		*40 - 130*	*07/16/25 12:09*	*07/17/25 14:42*	*1*
13C4 PFHpA	*72.5*		*40 - 130*	*07/16/25 12:09*	*07/17/25 14:42*	*1*
13C8 PFOA	*78.6*		*40 - 130*	*07/16/25 12:09*	*07/17/25 14:42*	*1*

Client Sample ID: TP-10 6-8FT
Date Collected: 07/10/25 13:20
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-9
Matrix: Solid
Percent Solids: 82.5

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	80.5		40 - 130	07/16/25 12:09	07/17/25 14:42	1
13C6 PFDA	70.2		40 - 130	07/16/25 12:09	07/17/25 14:42	1
13C7 PFUnA	70.5		40 - 130	07/16/25 12:09	07/17/25 14:42	1
13C2 PFTeDA	71.6		20 - 130	07/16/25 12:09	07/17/25 14:42	1
13C3 PFBS	68.1		40 - 135	07/16/25 12:09	07/17/25 14:42	1
13C3 PFHxS	67.5		40 - 130	07/16/25 12:09	07/17/25 14:42	1
13C8 PFOS	67.6		40 - 130	07/16/25 12:09	07/17/25 14:42	1
13C8 FOSA	70.8		40 - 130	07/16/25 12:09	07/17/25 14:42	1
d3-NMeFOSAA	79.9		40 - 135	07/16/25 12:09	07/17/25 14:42	1
d5-NEtFOSAA	67.5		40 - 150	07/16/25 12:09	07/17/25 14:42	1
13C2 4:2 FTS	66.6		40 - 165	07/16/25 12:09	07/17/25 14:42	1
13C2 6:2 FTS	64.6		40 - 215	07/16/25 12:09	07/17/25 14:42	1
13C2 8:2 FTS	70.0		40 - 275	07/16/25 12:09	07/17/25 14:42	1
13C3 HFPO-DA	72.7		40 - 130	07/16/25 12:09	07/17/25 14:42	1
d7-N-MeFOSE-M	55.2		20 - 130	07/16/25 12:09	07/17/25 14:42	1
d9-N-EtFOSE-M	49.8		15 - 130	07/16/25 12:09	07/17/25 14:42	1
d5-NEtPFOSA	58.2		10 - 130	07/16/25 12:09	07/17/25 14:42	1
d3-NMePFOSA	63.1		10 - 130	07/16/25 12:09	07/17/25 14:42	1
13C2-PFDoA	65.6		40 - 130	07/16/25 12:09	07/17/25 14:42	1
13C3-PFPrS	66.4		20 - 150	07/16/25 12:09	07/17/25 14:42	1
13C2 10:2 FTS	73.5		40 - 275	07/16/25 12:09	07/17/25 14:42	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**23700**		12.6	10.8	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Antimony	ND		18.9	0.67	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Arsenic	**2.9**		2.5	1.1	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Barium	**103**		0.63	0.18	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Beryllium	**0.99**		0.25	0.050	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Cadmium	**0.14**	**J**	0.25	0.088	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Calcium	**2110**		62.9	33.9	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Chromium	**26.4**		0.63	0.45	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Cobalt	**13.7**		0.63	0.13	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Copper	**14.1**		1.3	0.72	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Iron	**25300**		12.6	10.7	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Lead	**17.9**		1.3	0.58	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Magnesium	**4970**		25.1	10.7	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Manganese	**336**		1.3	0.35	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Nickel	**22.5**		6.3	0.31	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Potassium	**4260**		37.7	30.5	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Selenium	ND		5.0	1.0	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Silver	ND	^5-	0.75	0.25	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Sodium	**155**	**J**	176	77.1	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Thallium	ND		7.5	0.96	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Vanadium	**40.4**	**B**	0.63	0.16	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1
Zinc	**88.0**	**^5-**	2.5	1.3	mg/Kg	☼	07/16/25 08:18	07/16/25 19:24	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.029**		0.025	0.0057	mg/Kg	☼	07/14/25 10:43	07/14/25 13:33	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-10 12-14.8FT
Date Collected: 07/10/25 13:50
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-10
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.7	0.27	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
1,1,2,2-Tetrachloroethane	ND		3.7	0.60	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.7	0.85	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
1,1,2-Trichloroethane	ND		3.7	0.48	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
1,1-Dichloroethane	ND		3.7	0.45	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
1,1-Dichloroethene	ND		3.7	0.45	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
1,2,4-Trichlorobenzene	ND		3.7	0.23	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
1,2,4-Trimethylbenzene	ND		3.7	0.71	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
1,2-Dibromo-3-Chloropropane	ND		3.7	1.9	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
1,2-Dichlorobenzene	ND		3.7	0.29	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
1,2-Dichloroethane	ND		3.7	0.19	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
1,2-Dichloropropane	ND		3.7	1.9	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
1,3,5-Trimethylbenzene	ND		3.7	0.24	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
1,3-Dichlorobenzene	ND		3.7	0.19	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
1,4-Dichlorobenzene	ND		3.7	0.52	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
2-Butanone (MEK)	ND		19	1.4	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
2-Hexanone	ND		19	1.9	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
4-Isopropyltoluene	ND		3.7	0.30	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
4-Methyl-2-pentanone (MIBK)	ND		19	1.2	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Acetone	ND		19	3.1	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Benzene	ND		3.7	0.18	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Bromoform	ND		3.7	1.9	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Bromomethane	ND		3.7	0.33	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Carbon disulfide	ND		3.7	1.9	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Carbon tetrachloride	ND		3.7	0.36	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Chlorobenzene	ND		3.7	0.49	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Dibromochloromethane	ND		3.7	0.48	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Chloroethane	ND		3.7	0.84	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Chloroform	ND		3.7	0.23	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Chloromethane	ND		3.7	0.22	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
cis-1,2-Dichloroethene	ND		3.7	0.48	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Cyclohexane	ND		3.7	0.52	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Bromodichloromethane	ND		3.7	0.50	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Dichlorodifluoromethane	ND		3.7	0.31	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Ethylbenzene	ND		3.7	0.26	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
1,2-Dibromoethane	ND		3.7	0.48	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Isopropylbenzene	ND		3.7	0.56	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Methyl acetate	ND		19	2.2	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Methyl tert-butyl ether	ND		3.7	0.36	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Methylcyclohexane	ND		3.7	0.56	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Methylene Chloride	ND		3.7	1.7	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
m,p-Xylene	ND		7.4	0.62	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Naphthalene	ND		3.7	0.50	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
n-Butylbenzene	ND		3.7	0.32	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
N-Propylbenzene	ND		3.7	0.30	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
o-Xylene	ND		3.7	0.48	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
sec-Butylbenzene	ND		3.7	0.32	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Tetrachloroethene	ND		3.7	0.50	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Toluene	ND		3.7	0.28	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-10 12-14.8FT
Date Collected: 07/10/25 13:50
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-10
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.7	0.38	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
trans-1,3-Dichloropropene	ND		3.7	1.6	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Trichloroethene	ND		3.7	0.82	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Trichlorofluoromethane	ND		3.7	0.35	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Vinyl chloride	ND		3.7	0.45	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Xylenes, Total	ND		7.4	0.62	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
cis-1,3-Dichloropropene	ND		3.7	0.53	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
Styrene	ND		3.7	0.19	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1
tert-Butylbenzene	ND		3.7	0.39	ug/Kg	☼	07/11/25 13:00	07/16/25 23:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*3.7*	*T J*	*ug/Kg*	☼	*9.62*	*N/A*	*07/11/25 13:00*	*07/16/25 23:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 126*	*07/11/25 13:00*	*07/16/25 23:01*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 126*	*07/11/25 13:00*	*07/16/25 23:01*	*1*
Toluene-d8 (Surr)	*100*		*71 - 125*	*07/11/25 13:00*	*07/16/25 23:01*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*07/11/25 13:00*	*07/16/25 23:01*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		120	43	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
2,4,5-Trichlorophenol	ND		200	40	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
2,4-Dichlorophenol	ND		200	39	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
2,4-Dimethylphenol	ND		200	42	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
2,4-Dinitrophenol	ND		1900	38	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
2,6-Dinitrotoluene	ND		200	28	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
2-Chloronaphthalene	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
2-Chlorophenol	ND		200	31	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
2-Methylnaphthalene	ND		200	31	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
2-Methylphenol	ND		200	32	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
2-Nitroaniline	ND		390	34	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
2-Nitrophenol	ND		200	22	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
3,3'-Dichlorobenzidine	ND		390	58	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
3-Nitroaniline	ND		390	28	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
4,6-Dinitro-2-methylphenol	ND		390	43	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
4-Bromophenyl phenyl ether	ND		200	34	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
4-Chloro-3-methylphenol	ND		200	41	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
4-Chloroaniline	ND		200	28	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
4-Chlorophenyl phenyl ether	ND		200	41	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
4-Methylphenol	ND		390	35	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
4-Nitroaniline	ND		390	29	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
4-Nitrophenol	ND		390	54	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Acenaphthene	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Acenaphthylene	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Acetophenone	ND		200	35	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Anthracene	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Atrazine	ND		200	67	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-10 12-14.8FT
Lab Sample ID: 480-230990-10
Date Collected: 07/10/25 13:50
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 82.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		200	150	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Benzo[a]anthracene	ND		200	27	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Benzo[a]pyrene	ND		200	34	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Benzo[b]fluoranthene	ND		200	26	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Benzo[g,h,i]perylene	ND		200	34	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Benzo[k]fluoranthene	ND		200	44	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Biphenyl	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Bis(2-chloroethoxy)methane	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Bis(2-chloroethyl)ether	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Bis(2-ethylhexyl) phthalate	ND		200	43	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Butyl benzyl phthalate	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Caprolactam	ND		200	46	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Carbazole	ND		200	39	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Chrysene	ND		200	48	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Dibenz(a,h)anthracene	ND		200	40	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Dibenzofuran	ND		200	35	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Diethyl phthalate	ND		200	35	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Dimethyl phthalate	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Di-n-butyl phthalate	ND		200	44	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Di-n-octyl phthalate	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Fluoranthene	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Fluorene	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Hexachlorobenzene	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Hexachlorocyclopentadiene	ND		390	86	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Hexachloroethane	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Indeno[1,2,3-cd]pyrene	ND		200	29	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Isophorone	ND		200	41	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Naphthalene	ND		200	33	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Nitrobenzene	ND		200	33	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
N-Nitrosodi-n-propylamine	ND		200	44	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
N-Nitrosodiphenylamine	ND		200	33	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Pentachlorophenol	ND		390	63	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Phenanthrene	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Phenol	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1
Pyrene	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 14:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*500*	*T J*	*ug/Kg*	☼	*2.41*	*N/A*	*07/12/25 07:49*	*07/18/25 14:38*	*1*
Unknown	*3700*	*T J*	*ug/Kg*	☼	*3.29*	*N/A*	*07/12/25 07:49*	*07/18/25 14:38*	*1*
Unknown	*520*	*T J*	*ug/Kg*	☼	*5.19*	*N/A*	*07/12/25 07:49*	*07/18/25 14:38*	*1*
Unknown	*390*	*T J*	*ug/Kg*	☼	*10.96*	*N/A*	*07/12/25 07:49*	*07/18/25 14:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*64*		*10 - 140*	*07/12/25 07:49*	*07/18/25 14:38*	*1*
2-Fluorobiphenyl	*83*		*29 - 120*	*07/12/25 07:49*	*07/18/25 14:38*	*1*
2-Fluorophenol	*66*		*18 - 120*	*07/12/25 07:49*	*07/18/25 14:38*	*1*
Nitrobenzene-d5	*92*		*22 - 120*	*07/12/25 07:49*	*07/18/25 14:38*	*1*
Phenol-d5	*89*		*23 - 120*	*07/12/25 07:49*	*07/18/25 14:38*	*1*

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-10 12-14.8FT
Date Collected: 07/10/25 13:50
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-10
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14	*91*		*28 - 124*	*07/12/25 07:49*	*07/18/25 14:38*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.9	0.75	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
4,4'-DDE	ND		3.9	0.81	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
4,4'-DDT	**1.5**	**J**	3.9	0.91	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
Aldrin	ND		3.9	0.95	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
alpha-BHC	ND		3.9	0.70	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
cis-Chlordane	ND		3.9	1.9	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
beta-BHC	ND		3.9	0.70	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
delta-BHC	ND		3.9	0.72	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
Dieldrin	ND		3.9	0.93	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
Endosulfan I	ND		3.9	0.74	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
Endosulfan II	ND		3.9	0.70	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
Endosulfan sulfate	ND		3.9	0.72	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
Endrin	ND		3.9	0.77	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
Endrin aldehyde	ND		3.9	0.99	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
Endrin ketone	ND		3.9	0.95	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
gamma-BHC (Lindane)	ND		3.9	0.71	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
trans-Chlordane	ND		3.9	1.2	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
Heptachlor	ND		3.9	0.84	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
Heptachlor epoxide	ND		3.9	1.0	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
Methoxychlor	ND		3.9	0.79	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1
Toxaphene	ND		39	23	ug/Kg	☼	07/15/25 06:52	07/18/25 12:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*82*		*45 - 120*	*07/15/25 06:52*	*07/18/25 12:54*	*1*
DCB Decachlorobiphenyl	*101*		*45 - 120*	*07/15/25 06:52*	*07/18/25 12:54*	*1*
Tetrachloro-m-xylene	*76*		*30 - 124*	*07/15/25 06:52*	*07/18/25 12:54*	*1*
Tetrachloro-m-xylene	*65*		*30 - 124*	*07/15/25 06:52*	*07/18/25 12:54*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.058	0.029	mg/Kg	☼	07/15/25 08:55	07/15/25 21:14	1
PCB-1221	ND		0.058	0.035	mg/Kg	☼	07/15/25 08:55	07/15/25 21:14	1
PCB-1232	ND		0.058	0.024	mg/Kg	☼	07/15/25 08:55	07/15/25 21:14	1
PCB-1242	ND		0.058	0.022	mg/Kg	☼	07/15/25 08:55	07/15/25 21:14	1
PCB-1248	ND		0.058	0.020	mg/Kg	☼	07/15/25 08:55	07/15/25 21:14	1
PCB-1254	ND		0.058	0.024	mg/Kg	☼	07/15/25 08:55	07/15/25 21:14	1
PCB-1260	ND		0.058	0.024	mg/Kg	☼	07/15/25 08:55	07/15/25 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*74*		*10 - 149*	*07/15/25 08:55*	*07/15/25 21:14*	*1*
DCB Decachlorobiphenyl	*89*		*10 - 174*	*07/15/25 08:55*	*07/15/25 21:14*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		40	8.6	ug/Kg	☼	07/15/25 05:36	07/15/25 18:42	1
Silvex (2,4,5-TP)	ND		40	4.2	ug/Kg	☼	07/15/25 05:36	07/15/25 18:42	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-10 12-14.8FT
Date Collected: 07/10/25 13:50
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-10
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		40	15	ug/Kg	☼	07/15/25 05:36	07/15/25 18:42	1
Dichlorprop	ND		40	12	ug/Kg	☼	07/15/25 05:36	07/15/25 18:42	1
Pentachlorophenol	ND	*+	10	3.5	ug/Kg	☼	07/15/25 05:36	07/15/25 18:42	1
Picloram	ND		10	8.8	ug/Kg	☼	07/15/25 05:36	07/15/25 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*145*		*38 - 150*	*07/15/25 05:36*	*07/15/25 18:42*	*1*
2,4-Dichlorophenylacetic acid	*141*		*38 - 150*	*07/15/25 05:36*	*07/15/25 18:42*	*1*

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.47	0.12	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluoropentanoic acid (PFPeA)	**0.33**		0.24	0.094	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluorohexanoic acid (PFHxA)	**0.16**	**J**	0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluoroheptanoic acid (PFHpA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluorooctanoic acid (PFOA)	ND		0.24	0.13	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluorononanoic acid (PFNA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluorodecanoic acid (PFDA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluorononanesulfonic acid (PFNS)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.47	0.12	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.47	0.12	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.47	0.12	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.062	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.2	0.29	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.2	0.29	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1

Client Sample ID: TP-10 12-14.8FT
Lab Sample ID: 480-230990-10
Date Collected: 07/10/25 13:50
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 82.5

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.47	0.12	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.2	0.29	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.2	0.29	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.24	0.059	ng/g	☼	07/16/25 12:09	07/17/25 14:58	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*74.2*		*8 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C5 PFPeA	*84.6*		*35 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C5 PFHxA	*78.3*		*40 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C4 PFHpA	*75.3*		*40 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C8 PFOA	*80.9*		*40 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C9 PFNA	*85.2*		*40 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C6 PFDA	*80.3*		*40 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C7 PFUnA	*85.2*		*40 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C2 PFTeDA	*81.9*		*20 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C3 PFBS	*78.9*		*40 - 135*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C3 PFHxS	*73.8*		*40 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C8 PFOS	*75.7*		*40 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C8 FOSA	*79.9*		*40 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
d3-NMeFOSAA	*97.6*		*40 - 135*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
d5-NEtFOSAA	*80.7*		*40 - 150*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C2 4:2 FTS	*75.5*		*40 - 165*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C2 6:2 FTS	*70.5*		*40 - 215*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C2 8:2 FTS	*79.6*		*40 - 275*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C3 HFPO-DA	*75.9*		*40 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
d7-N-MeFOSE-M	*85.3*		*20 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
d9-N-EtFOSE-M	*76.2*		*15 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
d5-NEtPFOSA	*67.1*		*10 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
d3-NMePFOSA	*71.5*		*10 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C2-PFDoA	*79.6*		*40 - 130*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C3-PFPrS	*77.7*		*20 - 150*	*07/16/25 12:09*	*07/17/25 14:58*	*1*
13C2 10:2 FTS	*92.0*		*40 - 275*	*07/16/25 12:09*	*07/17/25 14:58*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**17300**		12.4	10.7	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-10 12-14.8FT
Lab Sample ID: 480-230990-10
Date Collected: 07/10/25 13:50
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 82.5

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		18.6	0.66	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Arsenic	**4.0**		2.5	1.1	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Barium	**115**		0.62	0.17	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Beryllium	**0.74**		0.25	0.050	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Cadmium	**0.17**	**J**	0.25	0.087	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Calcium	**59000**		62.1	33.5	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Chromium	**21.7**		0.62	0.45	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Cobalt	**8.8**		0.62	0.12	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Copper	**15.2**		1.2	0.71	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Iron	**20300**		12.4	10.5	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Lead	**15.2**		1.2	0.57	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Magnesium	**22100**		24.8	10.5	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Manganese	**404**		1.2	0.35	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Nickel	**21.1**		6.2	0.31	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Potassium	**5570**		37.3	30.1	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Selenium	ND		5.0	0.99	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Silver	ND	^5-	0.75	0.25	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Sodium	**328**		174	76.1	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Thallium	ND		7.5	0.94	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Vanadium	**33.8**	**B**	0.62	0.16	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1
Zinc	**62.8**	**^5-**	2.5	1.3	mg/Kg	☼	07/16/25 08:18	07/16/25 19:26	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.011**	**J**	0.024	0.0055	mg/Kg	☼	07/14/25 10:43	07/14/25 13:34	1

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-11 6-8FT
Lab Sample ID: 480-230990-11
Date Collected: 07/10/25 14:10
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 82.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		120	44	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
2,4,5-Trichlorophenol	ND		200	41	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
2,4,6-Trichlorophenol	ND		200	31	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
2,4-Dichlorophenol	ND		200	40	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
2,4-Dimethylphenol	ND		200	43	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
2,4-Dinitrophenol	ND		2000	38	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
2,6-Dinitrotoluene	ND		200	29	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
2-Chloronaphthalene	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
2-Chlorophenol	ND		200	32	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
2-Methylnaphthalene	ND		200	32	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
2-Methylphenol	ND		200	33	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
2-Nitroaniline	ND		390	34	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
2-Nitrophenol	ND		200	23	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
3,3'-Dichlorobenzidine	ND		390	59	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
3-Nitroaniline	ND		390	29	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
4,6-Dinitro-2-methylphenol	ND		390	44	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
4-Bromophenyl phenyl ether	ND		200	34	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
4-Chloro-3-methylphenol	ND		200	41	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
4-Chloroaniline	ND		200	29	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
4-Chlorophenyl phenyl ether	ND		200	42	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
4-Methylphenol	ND		390	36	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
4-Nitroaniline	ND		390	30	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
4-Nitrophenol	ND		390	55	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Acenaphthene	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Acenaphthylene	ND		200	39	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Acetophenone	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Anthracene	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Atrazine	ND		200	68	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Benzaldehyde	ND		200	150	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Benzo[a]anthracene	ND		200	28	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Benzo[a]pyrene	ND		200	34	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Benzo[b]fluoranthene	ND		200	27	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Benzo[g,h,i]perylene	ND		200	35	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Benzo[k]fluoranthene	ND		200	45	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Biphenyl	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Bis(2-chloroethoxy)methane	ND		200	39	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Bis(2-chloroethyl)ether	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Bis(2-ethylhexyl) phthalate	ND		200	44	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Butyl benzyl phthalate	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Caprolactam	ND		200	47	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Carbazole	ND		200	40	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Chrysene	ND		200	49	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Dibenz(a,h)anthracene	ND		200	41	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Dibenzofuran	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Diethyl phthalate	ND		200	36	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Dimethyl phthalate	ND		200	39	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Di-n-butyl phthalate	ND		200	45	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1

Client Sample ID: TP-11 6-8FT
Date Collected: 07/10/25 14:10
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-11
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Fluoranthene	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Fluorene	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Hexachlorobenzene	ND		200	39	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Hexachlorocyclopentadiene	ND		390	88	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Hexachloroethane	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Indeno[1,2,3-cd]pyrene	ND		200	30	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Isophorone	ND		200	41	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Naphthalene	ND		200	34	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Nitrobenzene	ND		200	34	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
N-Nitrosodi-n-propylamine	ND		200	45	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
N-Nitrosodiphenylamine	ND		200	34	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Pentachlorophenol	ND		390	64	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Phenanthrene	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Phenol	ND		200	37	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1
Pyrene	ND		200	38	ug/Kg	☼	07/12/25 07:49	07/18/25 15:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*330*	*T J*	*ug/Kg*	☼	*3.25*	*N/A*	*07/12/25 07:49*	*07/18/25 15:03*	*1*
Unknown	*2900*	*T J*	*ug/Kg*	☼	*3.30*	*N/A*	*07/12/25 07:49*	*07/18/25 15:03*	*1*
Benzene, 1,2-dimethyl-	*690*	*T J N*	*ug/Kg*	☼	*3.81*	*95-47-6*	*07/12/25 07:49*	*07/18/25 15:03*	*1*
Column Bleed	*580*	*T J*	*ug/Kg*	☼	*5.19*	*N/A*	*07/12/25 07:49*	*07/18/25 15:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*10 - 140*	*07/12/25 07:49*	*07/18/25 15:03*	*1*
2-Fluorobiphenyl	*90*		*29 - 120*	*07/12/25 07:49*	*07/18/25 15:03*	*1*
2-Fluorophenol	*98*		*18 - 120*	*07/12/25 07:49*	*07/18/25 15:03*	*1*
Nitrobenzene-d5	*88*		*22 - 120*	*07/12/25 07:49*	*07/18/25 15:03*	*1*
Phenol-d5	*101*		*23 - 120*	*07/12/25 07:49*	*07/18/25 15:03*	*1*
p-Terphenyl-d14	*102*		*28 - 124*	*07/12/25 07:49*	*07/18/25 15:03*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**20800**		12.2	10.5	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Antimony	ND		18.3	0.65	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Arsenic	**3.8**		2.4	1.1	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Barium	**118**		0.61	0.17	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Beryllium	**0.89**		0.24	0.049	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Cadmium	**0.32**		0.24	0.085	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Calcium	**14800**		60.9	32.9	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Chromium	**24.5**		0.61	0.44	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Cobalt	**14.2**		0.61	0.12	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Copper	**16.6**		1.2	0.69	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Iron	**24800**		12.2	10.3	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Lead	**22.2**		1.2	0.56	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Magnesium	**8760**		24.4	10.3	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Manganese	**749**		1.2	0.34	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Nickel	**25.0**		6.1	0.30	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Potassium	**4300**		36.5	29.5	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: TP-11 6-8FT
Date Collected: 07/10/25 14:10
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-11
Matrix: Solid
Percent Solids: 82.5

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		4.9	0.97	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Silver	ND	^5-	0.73	0.24	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Sodium	**160**	**J**	170	74.7	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Thallium	ND		7.3	0.93	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Vanadium	**39.4**	**B**	0.61	0.16	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1
Zinc	**93.3**	**^5-**	2.4	1.2	mg/Kg	☼	07/16/25 08:18	07/16/25 19:28	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.041**		0.025	0.0058	mg/Kg	☼	07/14/25 10:43	07/14/25 13:36	1

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SS-5
Lab Sample ID: 480-230990-12
Date Collected: 07/10/25 14:05
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 87.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1100	400	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
2,4,5-Trichlorophenol	ND		1800	370	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
2,4,6-Trichlorophenol	ND		1800	280	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
2,4-Dichlorophenol	ND		1800	350	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
2,4-Dimethylphenol	ND		1800	380	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
2,4-Dinitrophenol	ND		18000	340	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
2,4-Dinitrotoluene	ND		1800	250	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
2,6-Dinitrotoluene	ND		1800	260	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
2-Chloronaphthalene	ND		1800	340	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
2-Chlorophenol	ND		1800	280	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
2-Methylnaphthalene	ND		1800	280	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
2-Methylphenol	ND		1800	290	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
2-Nitroaniline	ND		3500	310	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
2-Nitrophenol	ND		1800	210	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
3,3'-Dichlorobenzidine	ND		3500	530	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
3-Nitroaniline	ND		3500	260	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
4,6-Dinitro-2-methylphenol	ND		3500	400	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
4-Bromophenyl phenyl ether	ND		1800	310	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
4-Chloro-3-methylphenol	ND		1800	370	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
4-Chloroaniline	ND		1800	260	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
4-Chlorophenyl phenyl ether	ND		1800	380	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
4-Methylphenol	ND		3500	320	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
4-Nitroaniline	ND		3500	270	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
4-Nitrophenol	ND		3500	490	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Acenaphthene	ND		1800	340	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Acenaphthylene	ND		1800	350	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Acetophenone	ND		1800	320	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Anthracene	ND		1800	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Atrazine	ND		1800	610	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Benzaldehyde	ND		1800	1400	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Benzo[a]anthracene	ND		1800	250	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Benzo[a]pyrene	ND		1800	310	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Benzo[b]fluoranthene	ND		1800	240	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Benzo[g,h,i]perylene	ND		1800	320	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Benzo[k]fluoranthene	ND		1800	410	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Biphenyl	ND		1800	340	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
bis (2-chloroisopropyl) ether	ND		1800	370	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Bis(2-chloroethoxy)methane	ND		1800	350	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Bis(2-chloroethyl)ether	ND		1800	340	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Bis(2-ethylhexyl) phthalate	ND		1800	390	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Butyl benzyl phthalate	ND		1800	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Caprolactam	ND		1800	420	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Carbazole	ND		1800	360	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Chrysene	ND		1800	440	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Dibenz(a,h)anthracene	ND		1800	370	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Dibenzofuran	ND		1800	320	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Diethyl phthalate	ND		1800	320	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Dimethyl phthalate	ND		1800	350	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Di-n-butyl phthalate	ND		1800	410	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10

Client Sample ID: SS-5
Date Collected: 07/10/25 14:05
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-12
Matrix: Solid
Percent Solids: 87.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		1800	340	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Fluoranthene	ND		1800	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Fluorene	ND		1800	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Hexachlorobenzene	ND		1800	350	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Hexachlorobutadiene	ND		1800	270	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Hexachlorocyclopentadiene	ND		3500	790	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Hexachloroethane	ND		1800	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Indeno[1,2,3-cd]pyrene	ND		1800	270	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Isophorone	ND		1800	370	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Naphthalene	ND		1800	300	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Nitrobenzene	ND		1800	300	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
N-Nitrosodi-n-propylamine	ND		1800	410	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
N-Nitrosodiphenylamine	ND		1800	300	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Pentachlorophenol	ND		3500	580	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Phenanthrene	ND		1800	340	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Phenol	ND		1800	330	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10
Pyrene	ND		1800	340	ug/Kg	☼	07/12/25 07:49	07/18/25 15:27	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*07/12/25 07:49*	*07/18/25 15:27*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*10 - 140*	*07/12/25 07:49*	*07/18/25 15:27*	*10*
2-Fluorobiphenyl	*90*		*29 - 120*	*07/12/25 07:49*	*07/18/25 15:27*	*10*
2-Fluorophenol	*92*		*18 - 120*	*07/12/25 07:49*	*07/18/25 15:27*	*10*
Nitrobenzene-d5	*70*		*22 - 120*	*07/12/25 07:49*	*07/18/25 15:27*	*10*
Phenol-d5	*96*		*23 - 120*	*07/12/25 07:49*	*07/18/25 15:27*	*10*
p-Terphenyl-d14	*98*		*28 - 124*	*07/12/25 07:49*	*07/18/25 15:27*	*10*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5260**		12.0	10.4	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Antimony	ND		18.0	0.64	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Arsenic	**5.5**		2.4	1.1	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Barium	**149**		0.60	0.17	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Beryllium	**0.62**		0.24	0.048	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Cadmium	**2.1**		0.24	0.084	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Calcium	**89700**		300	162	mg/Kg	☼	07/16/25 08:18	07/17/25 14:32	5
Chromium	**13.7**		0.60	0.43	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Cobalt	**4.3**		0.60	0.12	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Copper	**33.7**		1.2	0.68	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Iron	**15000**		12.0	10.2	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Lead	**352**		1.2	0.55	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Magnesium	**7500**		24.0	10.2	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Manganese	**361**		1.2	0.34	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Nickel	**40.0**		6.0	0.30	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Potassium	**630**		36.0	29.1	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Selenium	ND		4.8	0.96	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Silver	ND	^5-	0.72	0.24	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Sodium	**267**		168	73.6	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Client Sample ID: SS-5
Date Collected: 07/10/25 14:05
Date Received: 07/10/25 16:20

Lab Sample ID: 480-230990-12
Matrix: Solid
Percent Solids: 87.8

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		7.2	0.91	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Vanadium	12.5	B	0.60	0.16	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1
Zinc	204	^5-	2.4	1.2	mg/Kg	☼	07/16/25 08:18	07/16/25 19:30	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.066		0.022	0.0050	mg/Kg	☼	07/14/25 10:43	07/14/25 13:37	1

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(71-125)	(60-140)
480-230990-2	TP-7 2-3FT	105	82	109	103
480-230990-10	TP-10 12-14.8FT	100	95	100	97
LCS 480-751829/1-A	Lab Control Sample	96	100	99	96
LCS 480-751943/1-A	Lab Control Sample	99	99	100	97
MB 480-751829/2-A	Method Blank	99	99	99	98
MB 480-751943/2-A	Method Blank	101	94	97	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-230990-9	TP-10 6-8FT	101	87	101	80
LCS 480-752009/2-A	Lab Control Sample	104	90	102	90
MB 480-752009/1-A	Method Blank	100	85	98	82

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(10-140)	(29-120)	(18-120)	(22-120)	(23-120)	(28-124)
480-230990-1	SS-1	70	96	68	67	69	83
480-230990-2	TP-7 2-3FT	66	82	70	49	64	96
480-230990-3	SS-2	76	81	52	61	60	82
480-230990-4	TP-8 3-4FT	89	83	72	71	74	95
480-230990-5	SS-3	97	99	78	76	79	104
480-230990-6	TP-9 6-8FT	84	99	76	80	75	96
480-230990-7	TP-9 12FT	83	87	72	67	75	96
480-230990-8	SS-4	97	104	76	76	73	91
480-230990-9	TP-10 6-8FT	105	91	85	93	91	104
480-230990-10	TP-10 12-14.8FT	64	83	66	92	89	91
480-230990-11	TP-11 6-8FT	83	90	98	88	101	102
480-230990-12	SS-5	76	90	92	70	96	98
LCS 480-751553/2-A	Lab Control Sample	119	99	71	77	71	98
MB 480-751553/1-A	Method Blank	89	102	74	76	77	92

Surrogate Legend

TBP = 2,4,6-Tribromophenol

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(45-120)	(45-120)	(30-124)	(30-124)
480-230990-1	SS-1	119	325 S1+	78	86
480-230990-2	TP-7 2-3FT	68	179 S1+	67	76
480-230990-8	SS-4	64	80	70	72
480-230990-9	TP-10 6-8FT	0 S1-	0 S1-	0 S1-	0 S1-
480-230990-10	TP-10 12-14.8FT	82	101	76	65
LCS 480-751725/2-A	Lab Control Sample	88	93	75	74
MB 480-751725/1-A	Method Blank	77	83	70	70

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(10-149)	(10-174)
480-230990-1	SS-1	49	59
480-230990-2	TP-7 2-3FT	63	84
480-230990-8	SS-4	70	83
480-230990-9	TP-10 6-8FT	65	85
480-230990-10	TP-10 12-14.8FT	74	89
LCS 240-663800/2-A	Lab Control Sample	74	92
MB 240-663800/1-A	Method Blank	91	118

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(38-150)	(38-150)
480-230990-1	SS-1	165 S1+	270 S1+
480-230990-2	TP-7 2-3FT	141	176 S1+
480-230990-8	SS-4	118	138
480-230990-9	TP-10 6-8FT	142	403 S1+
480-230990-10	TP-10 12-14.8FT	141	145
LCS 460-1049772/2-A	Lab Control Sample	135	139
LCSD 460-1049772/3-A	Lab Control Sample Dup	145	148
MB 460-1049772/1-A	Method Blank	125	130

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(8-130)	(35-130)	(40-130)	(40-130)	(40-130)	(40-130)	(40-130)	(40-130)
480-230990-1	SS-1	92.4	97.5	91.6	84.9	99.9	97.8	85.1	90.7
480-230990-2	TP-7 2-3FT	92.3	104	98.2	91.7	95.7	97.5	85.6	92.3
480-230990-8	SS-4	78.6	87.7	86.7	81.8	89.2	91.0	81.6	83.6
480-230990-9	TP-10 6-8FT	64.6	77.7	73.1	72.5	78.6	80.5	70.2	70.5
480-230990-10	TP-10 12-14.8FT	74.2	84.6	78.3	75.3	80.9	85.2	80.3	85.2
MB 240-663860/1-A	Method Blank	94.4	102	98.8	89.9	102	96.9	83.9	86.4
MB 240-664043/1-A	Method Blank	90.2	97.1	92.7	89.3	96.4	93.5	81.1	84.1

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(20-130)	(40-135)	(40-130)	(40-130)	(40-130)	(40-135)	(40-150)	(40-165)
480-230990-1	SS-1	84.7	96.6	91.1	87.4	125	122	108	135
480-230990-2	TP-7 2-3FT	87.9	98.6	88.9	83.6	97.5	105	91.5	109
480-230990-8	SS-4	78.2	76.2	72.0	71.8	83.6	88.4	79.9	79.9
480-230990-9	TP-10 6-8FT	71.6	68.1	67.5	67.6	70.8	79.9	67.5	66.6
480-230990-10	TP-10 12-14.8FT	81.9	78.9	73.8	75.7	79.9	97.6	80.7	75.5
MB 240-663860/1-A	Method Blank	82.1	104	94.2	86.4	88.2	101	91.9	105
MB 240-664043/1-A	Method Blank	77.8	102	90.9	83.7	84.6	103	86.0	108

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoDA
Lab Sample ID	Client Sample ID	(40-215)	(40-275)	(40-130)	(20-130)	(15-130)	(10-130)	(10-130)	(40-130)
480-230990-1	SS-1	125	136	83.5	91.4	85.1	69.6	80.1	91.6
480-230990-2	TP-7 2-3FT	91.9	93.9	93.2	74.0	65.4	76.4	83.4	84.5
480-230990-8	SS-4	69.5	71.4	82.0	74.3	65.0	73.1	76.1	77.2
480-230990-9	TP-10 6-8FT	64.6	70.0	72.7	55.2	49.8	58.2	63.1	65.6
480-230990-10	TP-10 12-14.8FT	70.5	79.6	75.9	85.3	76.2	67.1	71.5	79.6
MB 240-663860/1-A	Method Blank	95.5	91.5	91.1	72.8	65.1	76.1	78.5	82.0
MB 240-664043/1-A	Method Blank	94.6	89.9	88.2	72.4	67.4	72.0	76.2	78.0

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		I3C3-PFPrS	M102FTS						
Lab Sample ID	Client Sample ID	(20-150)	(40-275)						
480-230990-1	SS-1	87.0	178						
480-230990-2	TP-7 2-3FT	92.0	118						
480-230990-8	SS-4	73.2	81.2						
480-230990-9	TP-10 6-8FT	66.4	73.5						
480-230990-10	TP-10 12-14.8FT	77.7	92.0						
MB 240-663860/1-A	Method Blank	102	95.9						
MB 240-664043/1-A	Method Blank	98.9	97.7						

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoA
13C3-PFPrS = 13C3-PFPrS
M102FTS = 13C2 10:2 FTS

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(8-130)	(35-130)	(40-130)	(40-130)	(40-130)	(40-130)	(40-130)	(40-130)
LCS 240-663860/3-A	Lab Control Sample	94.4	105	101	95.5	98.8	98.5	89.6	91.4
LCS 240-664043/3-A	Lab Control Sample	92.5	102	95.4	93.6	96.2	96.5	83.5	84.6
LLCS 240-663860/2-A	Lab Control Sample	87.8	97.3	94.3	86.2	89.7	91.5	85.5	91.0
LLCS 240-664043/2-A	Lab Control Sample	91.8	97.0	95.9	91.3	94.3	96.3	85.9	88.6

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(20-130)	(40-135)	(40-130)	(40-130)	(40-130)	(40-135)	(40-150)	(40-165)
LCS 240-663860/3-A	Lab Control Sample	86.8	105	94.8	88.2	91.4	107	94.4	106
LCS 240-664043/3-A	Lab Control Sample	81.9	103	93.2	85.8	87.7	103	87.9	108
LLCS 240-663860/2-A	Lab Control Sample	84.7	94.4	89.6	86.2	83.1	102	89.1	97.8
LLCS 240-664043/2-A	Lab Control Sample	84.4	105	93.2	85.8	87.1	103	86.2	111

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoDA
Lab Sample ID	Client Sample ID	(40-215)	(40-275)	(40-130)	(20-130)	(15-130)	(10-130)	(10-130)	(40-130)
LCS 240-663860/3-A	Lab Control Sample	91.0	91.9	93.5	71.5	65.3	78.1	80.4	85.0
LCS 240-664043/3-A	Lab Control Sample	91.9	92.7	94.6	77.7	64.6	72.5	77.4	80.3
LLCS 240-663860/2-A	Lab Control Sample	85.1	88.5	89.0	69.6	66.4	73.5	76.2	83.3
LLCS 240-664043/2-A	Lab Control Sample	98.1	95.5	90.7	73.5	65.8	73.2	76.3	82.3

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		13C3-PFPrS	M102FTS						
Lab Sample ID	Client Sample ID	(20-150)	(10-200)						
LCS 240-663860/3-A	Lab Control Sample	105	103						
LCS 240-664043/3-A	Lab Control Sample	107	102						
LLCS 240-663860/2-A	Lab Control Sample	92.9	100						
LLCS 240-664043/2-A	Lab Control Sample	103	106						

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA

Isotope Dilution Summary

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoA
13C3-PFPrS = 13C3-PFPrS
M102FTS = 13C2 10:2 FTS

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-751829/2-A
Matrix: Solid
Analysis Batch: 751832

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751829

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
1,2,4-Trimethylbenzene	ND		5.0	0.96	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
1,3,5-Trimethylbenzene	ND		5.0	0.32	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
2-Hexanone	ND		25	2.5	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
4-Isopropyltoluene	ND		5.0	0.40	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Acetone	ND		25	4.2	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Benzene	ND		5.0	0.25	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Bromoform	ND		5.0	2.5	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Bromomethane	ND		5.0	0.45	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Chloroethane	ND		5.0	1.1	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Chloroform	ND		5.0	0.31	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Chloromethane	ND		5.0	0.30	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Cyclohexane	ND		5.0	0.70	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Methyl acetate	ND		25	3.0	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
m,p-Xylene	ND		10	0.84	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Naphthalene	ND		5.0	0.67	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
n-Butylbenzene	ND		5.0	0.44	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
N-Propylbenzene	ND		5.0	0.40	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
o-Xylene	ND		5.0	0.65	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
sec-Butylbenzene	ND		5.0	0.44	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		07/15/25 18:25	07/15/25 22:10	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-751829/2-A
Matrix: Solid
Analysis Batch: 751832

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751829

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		5.0	0.38	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Trichloroethene	ND		5.0	1.1	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Xylenes, Total	ND		10	0.84	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
Styrene	ND		5.0	0.25	ug/Kg		07/15/25 18:25	07/15/25 22:10	1
tert-Butylbenzene	ND		5.0	0.52	ug/Kg		07/15/25 18:25	07/15/25 22:10	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*			*N/A*	*07/15/25 18:25*	*07/15/25 22:10*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 126*	*07/15/25 18:25*	*07/15/25 22:10*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*	*07/15/25 18:25*	*07/15/25 22:10*	*1*
Toluene-d8 (Surr)	*99*		*71 - 125*	*07/15/25 18:25*	*07/15/25 22:10*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*	*07/15/25 18:25*	*07/15/25 22:10*	*1*

Lab Sample ID: LCS 480-751829/1-A
Matrix: Solid
Analysis Batch: 751832

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751829

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	49.0		ug/Kg		98	77 - 121
1,1,2,2-Tetrachloroethane	50.0	48.0		ug/Kg		96	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.8		ug/Kg		94	60 - 140
1,1,2-Trichloroethane	50.0	49.5		ug/Kg		99	78 - 122
1,1-Dichloroethane	50.0	49.3		ug/Kg		99	73 - 126
1,1-Dichloroethene	50.0	49.5		ug/Kg		99	59 - 125
1,2,4-Trichlorobenzene	50.0	46.9		ug/Kg		94	64 - 120
1,2,4-Trimethylbenzene	50.0	48.8		ug/Kg		98	74 - 120
1,2-Dibromo-3-Chloropropane	50.0	50.4		ug/Kg		101	63 - 124
1,2-Dichlorobenzene	50.0	49.6		ug/Kg		99	75 - 120
1,2-Dichloroethane	50.0	48.8		ug/Kg		98	77 - 122
1,2-Dichloropropane	50.0	51.4		ug/Kg		103	75 - 124
1,3,5-Trimethylbenzene	50.0	49.4		ug/Kg		99	74 - 120
1,3-Dichlorobenzene	50.0	50.4		ug/Kg		101	74 - 120
1,4-Dichlorobenzene	50.0	50.5		ug/Kg		101	73 - 120
2-Butanone (MEK)	250	239		ug/Kg		96	70 - 134
2-Hexanone	250	248		ug/Kg		99	59 - 130
4-Isopropyltoluene	50.0	49.5		ug/Kg		99	74 - 120
4-Methyl-2-pentanone (MIBK)	250	244		ug/Kg		98	65 - 133
Acetone	250	257		ug/Kg		103	61 - 137
Benzene	50.0	49.7		ug/Kg		99	79 - 127
Bromoform	50.0	51.8		ug/Kg		104	68 - 126

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-751829/1-A
Matrix: Solid
Analysis Batch: 751832

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751829

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	50.0	46.5		ug/Kg		93	37 - 149
Carbon disulfide	50.0	47.4		ug/Kg		95	64 - 131
Carbon tetrachloride	50.0	50.5		ug/Kg		101	75 - 135
Chlorobenzene	50.0	51.6		ug/Kg		103	76 - 124
Dibromochloromethane	50.0	52.5		ug/Kg		105	76 - 125
Chloroethane	50.0	48.5		ug/Kg		97	69 - 135
Chloroform	50.0	48.6		ug/Kg		97	80 - 120
Chloromethane	50.0	46.9		ug/Kg		94	63 - 127
cis-1,2-Dichloroethene	50.0	50.2		ug/Kg		100	81 - 120
Cyclohexane	50.0	47.4		ug/Kg		95	65 - 120
Bromodichloromethane	50.0	51.7		ug/Kg		103	80 - 122
Dichlorodifluoromethane	50.0	47.2		ug/Kg		94	57 - 142
Ethylbenzene	50.0	50.3		ug/Kg		101	80 - 120
1,2-Dibromoethane	50.0	50.3		ug/Kg		101	78 - 120
Isopropylbenzene	50.0	50.1		ug/Kg		100	72 - 120
Methyl acetate	100	87.5		ug/Kg		88	55 - 136
Methyl tert-butyl ether	50.0	47.5		ug/Kg		95	63 - 125
Methylcyclohexane	50.0	47.9		ug/Kg		96	60 - 140
Methylene Chloride	50.0	49.8		ug/Kg		100	61 - 127
m,p-Xylene	50.0	50.5		ug/Kg		101	70 - 130
Naphthalene	50.0	44.1		ug/Kg		88	38 - 137
n-Butylbenzene	50.0	48.4		ug/Kg		97	70 - 120
N-Propylbenzene	50.0	49.6		ug/Kg		99	70 - 130
o-Xylene	50.0	49.9		ug/Kg		100	70 - 130
sec-Butylbenzene	50.0	49.7		ug/Kg		99	74 - 120
Tetrachloroethene	50.0	51.9		ug/Kg		104	74 - 122
Toluene	50.0	49.8		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	50.0	49.3		ug/Kg		99	78 - 126
trans-1,3-Dichloropropene	50.0	52.8		ug/Kg		106	73 - 123
Trichloroethene	50.0	51.7		ug/Kg		103	77 - 129
Trichlorofluoromethane	50.0	47.5		ug/Kg		95	65 - 146
Vinyl chloride	50.0	47.4		ug/Kg		95	61 - 133
cis-1,3-Dichloropropene	50.0	53.3		ug/Kg		107	80 - 120
Styrene	50.0	49.9		ug/Kg		100	80 - 120
tert-Butylbenzene	50.0	52.2		ug/Kg		104	73 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 126*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*
Toluene-d8 (Surr)	*99*		*71 - 125*
Dibromofluoromethane (Surr)	*96*		*60 - 140*

Lab Sample ID: MB 480-751943/2-A
Matrix: Solid
Analysis Batch: 751946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751943

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		07/16/25 19:02	07/16/25 22:27	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-751943/2-A
Matrix: Solid
Analysis Batch: 751946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751943

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
1,2,4-Trimethylbenzene	ND		5.0	0.96	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
1,3,5-Trimethylbenzene	ND		5.0	0.32	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
2-Hexanone	ND		25	2.5	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
4-Isopropyltoluene	ND		5.0	0.40	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Acetone	ND		25	4.2	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Benzene	ND		5.0	0.25	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Bromoform	ND		5.0	2.5	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Bromomethane	ND		5.0	0.45	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Chloroethane	ND		5.0	1.1	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Chloroform	ND		5.0	0.31	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Chloromethane	ND		5.0	0.30	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Cyclohexane	ND		5.0	0.70	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Methyl acetate	ND		25	3.0	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
m,p-Xylene	ND		10	0.84	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Naphthalene	ND		5.0	0.67	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
n-Butylbenzene	ND		5.0	0.44	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
N-Propylbenzene	ND		5.0	0.40	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
o-Xylene	ND		5.0	0.65	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
sec-Butylbenzene	ND		5.0	0.44	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Toluene	ND		5.0	0.38	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		07/16/25 19:02	07/16/25 22:27	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-751943/2-A
Matrix: Solid
Analysis Batch: 751946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751943

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Trichloroethene	ND		5.0	1.1	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Xylenes, Total	ND		10	0.84	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
Styrene	ND		5.0	0.25	ug/Kg		07/16/25 19:02	07/16/25 22:27	1
tert-Butylbenzene	ND		5.0	0.52	ug/Kg		07/16/25 19:02	07/16/25 22:27	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*			*N/A*	*07/16/25 19:02*	*07/16/25 22:27*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*07/16/25 19:02*	*07/16/25 22:27*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*07/16/25 19:02*	*07/16/25 22:27*	*1*
Toluene-d8 (Surr)	*97*		*71 - 125*	*07/16/25 19:02*	*07/16/25 22:27*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*07/16/25 19:02*	*07/16/25 22:27*	*1*

Lab Sample ID: LCS 480-751943/1-A
Matrix: Solid
Analysis Batch: 751946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751943

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	46.6		ug/Kg		93	77 - 121
1,1,2,2-Tetrachloroethane	50.0	49.5		ug/Kg		99	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	42.0		ug/Kg		84	60 - 140
1,1,2-Trichloroethane	50.0	50.5		ug/Kg		101	78 - 122
1,1-Dichloroethane	50.0	47.6		ug/Kg		95	73 - 126
1,1-Dichloroethene	50.0	45.3		ug/Kg		91	59 - 125
1,2,4-Trichlorobenzene	50.0	46.3		ug/Kg		93	64 - 120
1,2,4-Trimethylbenzene	50.0	49.0		ug/Kg		98	74 - 120
1,2-Dibromo-3-Chloropropane	50.0	49.7		ug/Kg		99	63 - 124
1,2-Dichlorobenzene	50.0	48.5		ug/Kg		97	75 - 120
1,2-Dichloroethane	50.0	51.6		ug/Kg		103	77 - 122
1,2-Dichloropropane	50.0	51.6		ug/Kg		103	75 - 124
1,3,5-Trimethylbenzene	50.0	50.4		ug/Kg		101	74 - 120
1,3-Dichlorobenzene	50.0	48.5		ug/Kg		97	74 - 120
1,4-Dichlorobenzene	50.0	49.0		ug/Kg		98	73 - 120
2-Butanone (MEK)	250	284		ug/Kg		114	70 - 134
2-Hexanone	250	255		ug/Kg		102	59 - 130
4-Isopropyltoluene	50.0	49.4		ug/Kg		99	74 - 120
4-Methyl-2-pentanone (MIBK)	250	244		ug/Kg		98	65 - 133
Acetone	250	281		ug/Kg		112	61 - 137
Benzene	50.0	49.4		ug/Kg		99	79 - 127
Bromoform	50.0	50.2		ug/Kg		100	68 - 126
Bromomethane	50.0	43.8		ug/Kg		88	37 - 149
Carbon disulfide	50.0	43.6		ug/Kg		87	64 - 131

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-751943/1-A
Matrix: Solid
Analysis Batch: 751946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751943

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	50.0	48.0		ug/Kg		96	75 - 135
Chlorobenzene	50.0	48.9		ug/Kg		98	76 - 124
Dibromochloromethane	50.0	51.7		ug/Kg		103	76 - 125
Chloroethane	50.0	46.4		ug/Kg		93	69 - 135
Chloroform	50.0	47.5		ug/Kg		95	80 - 120
Chloromethane	50.0	44.9		ug/Kg		90	63 - 127
cis-1,2-Dichloroethene	50.0	47.8		ug/Kg		96	81 - 120
Cyclohexane	50.0	44.5		ug/Kg		89	65 - 120
Bromodichloromethane	50.0	52.9		ug/Kg		106	80 - 122
Dichlorodifluoromethane	50.0	43.9		ug/Kg		88	57 - 142
Ethylbenzene	50.0	48.3		ug/Kg		97	80 - 120
1,2-Dibromoethane	50.0	50.9		ug/Kg		102	78 - 120
Isopropylbenzene	50.0	50.0		ug/Kg		100	72 - 120
Methyl acetate	100	102		ug/Kg		102	55 - 136
Methyl tert-butyl ether	50.0	45.6		ug/Kg		91	63 - 125
Methylcyclohexane	50.0	47.3		ug/Kg		95	60 - 140
Methylene Chloride	50.0	48.5		ug/Kg		97	61 - 127
m,p-Xylene	50.0	48.1		ug/Kg		96	70 - 130
Naphthalene	50.0	45.2		ug/Kg		90	38 - 137
n-Butylbenzene	50.0	47.9		ug/Kg		96	70 - 120
N-Propylbenzene	50.0	49.5		ug/Kg		99	70 - 130
o-Xylene	50.0	46.8		ug/Kg		94	70 - 130
sec-Butylbenzene	50.0	50.0		ug/Kg		100	74 - 120
Tetrachloroethene	50.0	49.0		ug/Kg		98	74 - 122
Toluene	50.0	48.0		ug/Kg		96	74 - 128
trans-1,2-Dichloroethene	50.0	46.4		ug/Kg		93	78 - 126
trans-1,3-Dichloropropene	50.0	54.9		ug/Kg		110	73 - 123
Trichloroethene	50.0	51.9		ug/Kg		104	77 - 129
Trichlorofluoromethane	50.0	43.2		ug/Kg		86	65 - 146
Vinyl chloride	50.0	44.9		ug/Kg		90	61 - 133
cis-1,3-Dichloropropene	50.0	55.0		ug/Kg		110	80 - 120
Styrene	50.0	47.6		ug/Kg		95	80 - 120
tert-Butylbenzene	50.0	53.1		ug/Kg		106	73 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 126*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*
Toluene-d8 (Surr)	*100*		*71 - 125*
Dibromofluoromethane (Surr)	*97*		*60 - 140*

Lab Sample ID: MB 480-752009/1-A
Matrix: Solid
Analysis Batch: 751995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 752009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		07/17/25 10:41	07/17/25 13:25	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-752009/1-A
Matrix: Solid
Analysis Batch: 751995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 752009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		100	21	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
1,1-Dichloroethane	ND		100	31	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
1,1-Dichloroethene	ND		100	35	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
1,2,4-Trimethylbenzene	ND		100	28	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
1,2-Dichloroethane	ND		100	41	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
1,2-Dichloropropane	ND		100	16	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
1,3,5-Trimethylbenzene	ND		100	30	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
2-Butanone (MEK)	ND		500	300	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
2-Hexanone	ND		500	210	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
4-Isopropyltoluene	ND		100	34	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Acetone	ND		500	410	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Benzene	ND		100	19	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Bromoform	ND		100	50	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Bromomethane	ND		100	22	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Carbon disulfide	ND		100	46	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Carbon tetrachloride	ND		100	26	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Chlorobenzene	ND		100	13	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Dibromochloromethane	ND		100	48	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Chloroethane	ND		100	21	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Chloroform	ND		100	69	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Chloromethane	ND		100	24	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Cyclohexane	ND		100	22	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Bromodichloromethane	ND		100	20	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Ethylbenzene	ND		100	29	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
1,2-Dibromoethane	ND		100	18	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Isopropylbenzene	ND		100	15	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Methyl acetate	ND		500	48	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Methylcyclohexane	ND		100	47	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Methylene Chloride	ND		100	20	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
m,p-Xylene	ND		200	55	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Naphthalene	ND		100	34	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
n-Butylbenzene	ND		100	29	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
N-Propylbenzene	ND		100	26	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
o-Xylene	ND		100	13	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
sec-Butylbenzene	ND		100	37	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Tetrachloroethene	ND		100	13	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Toluene	ND		100	27	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Trichloroethene	ND		100	28	ug/Kg		07/17/25 10:41	07/17/25 13:25	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-752009/1-A
Matrix: Solid
Analysis Batch: 751995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 752009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		100	47	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Vinyl chloride	ND		100	34	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Xylenes, Total	ND		200	55	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
Styrene	ND		100	24	ug/Kg		07/17/25 10:41	07/17/25 13:25	1
tert-Butylbenzene	ND		100	28	ug/Kg		07/17/25 10:41	07/17/25 13:25	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*			*N/A*	*07/17/25 10:41*	*07/17/25 13:25*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*07/17/25 10:41*	*07/17/25 13:25*	*1*
4-Bromofluorobenzene (Surr)	*85*		*49 - 148*	*07/17/25 10:41*	*07/17/25 13:25*	*1*
Toluene-d8 (Surr)	*98*		*50 - 149*	*07/17/25 10:41*	*07/17/25 13:25*	*1*
Dibromofluoromethane (Surr)	*82*		*60 - 140*	*07/17/25 10:41*	*07/17/25 13:25*	*1*

Lab Sample ID: LCS 480-752009/2-A
Matrix: Solid
Analysis Batch: 751995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 752009

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2500	2380		ug/Kg		95	68 - 130
1,1,2,2-Tetrachloroethane	2500	2580		ug/Kg		103	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2610		ug/Kg		104	10 - 179
1,1,2-Trichloroethane	2500	2590		ug/Kg		104	80 - 120
1,1-Dichloroethane	2500	2750		ug/Kg		110	78 - 121
1,1-Dichloroethene	2500	2120		ug/Kg		85	48 - 133
1,2,4-Trichlorobenzene	2500	2670		ug/Kg		107	70 - 140
1,2,4-Trimethylbenzene	2500	2740		ug/Kg		110	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2200		ug/Kg		88	56 - 122
1,2-Dichlorobenzene	2500	2710		ug/Kg		108	78 - 125
1,2-Dichloroethane	2500	2790		ug/Kg		111	74 - 127
1,2-Dichloropropane	2500	2670		ug/Kg		107	80 - 120
1,3,5-Trimethylbenzene	2500	2710		ug/Kg		109	79 - 120
1,3-Dichlorobenzene	2500	2700		ug/Kg		108	80 - 120
1,4-Dichlorobenzene	2500	2690		ug/Kg		108	80 - 120
2-Butanone (MEK)	12500	14200		ug/Kg		113	54 - 149
2-Hexanone	12500	15800		ug/Kg		126	59 - 127
4-Isopropyltoluene	2500	2770		ug/Kg		111	80 - 120
4-Methyl-2-pentanone (MIBK)	12500	15300	*+	ug/Kg		123	74 - 120
Acetone	12500	15100		ug/Kg		121	47 - 141
Benzene	2500	2600		ug/Kg		104	77 - 125
Bromoform	2500	1600		ug/Kg		64	48 - 125
Bromomethane	2500	1710		ug/Kg		68	39 - 149
Carbon disulfide	2500	2070		ug/Kg		83	40 - 136
Carbon tetrachloride	2500	2300		ug/Kg		92	54 - 135
Chlorobenzene	2500	2550		ug/Kg		102	76 - 126

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-752009/2-A
Matrix: Solid
Analysis Batch: 751995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 752009

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibromochloromethane	2500	1930		ug/Kg		77	64 - 120
Chloroethane	2500	1930		ug/Kg		77	23 - 150
Chloroform	2500	2520		ug/Kg		101	78 - 120
Chloromethane	2500	2010		ug/Kg		80	61 - 124
cis-1,2-Dichloroethene	2500	2390		ug/Kg		96	79 - 124
Cyclohexane	2500	2630		ug/Kg		105	49 - 129
Bromodichloromethane	2500	2140		ug/Kg		86	71 - 121
Dichlorodifluoromethane	2500	1380		ug/Kg		55	10 - 150
Ethylbenzene	2500	2670		ug/Kg		107	78 - 124
1,2-Dibromoethane	2500	2590		ug/Kg		104	80 - 120
Isopropylbenzene	2500	2760		ug/Kg		110	76 - 120
Methyl acetate	5000	5390		ug/Kg		108	71 - 123
Methyl tert-butyl ether	2500	2440		ug/Kg		98	67 - 137
Methylcyclohexane	2500	2430		ug/Kg		97	50 - 130
Methylene Chloride	2500	2390		ug/Kg		96	75 - 118
m,p-Xylene	2500	2490		ug/Kg		100	77 - 125
Naphthalene	2500	2700		ug/Kg		108	65 - 142
n-Butylbenzene	2500	2950		ug/Kg		118	80 - 120
N-Propylbenzene	2500	2840		ug/Kg		114	76 - 120
o-Xylene	2500	2520		ug/Kg		101	80 - 124
sec-Butylbenzene	2500	2830		ug/Kg		113	79 - 120
Tetrachloroethene	2500	2580		ug/Kg		103	73 - 133
Toluene	2500	2650		ug/Kg		106	75 - 124
trans-1,2-Dichloroethene	2500	2380		ug/Kg		95	74 - 129
trans-1,3-Dichloropropene	2500	2440		ug/Kg		98	73 - 120
Trichloroethene	2500	2390		ug/Kg		96	75 - 131
Trichlorofluoromethane	2500	2300		ug/Kg		92	29 - 158
Vinyl chloride	2500	2230		ug/Kg		89	59 - 124
cis-1,3-Dichloropropene	2500	2370		ug/Kg		95	75 - 121
Styrene	2500	2490		ug/Kg		99	80 - 120
tert-Butylbenzene	2500	2660		ug/Kg		106	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*
4-Bromofluorobenzene (Surr)	*90*		*49 - 148*
Toluene-d8 (Surr)	*102*		*50 - 149*
Dibromofluoromethane (Surr)	*90*		*60 - 140*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-751553/1-A
Matrix: Solid
Analysis Batch: 751756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		100	37	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2,4,5-Trichlorophenol	ND		170	34	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2,4,6-Trichlorophenol	ND		170	26	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2,4-Dichlorophenol	ND		170	33	ug/Kg		07/12/25 07:49	07/16/25 00:48	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-751553/1-A
Matrix: Solid
Analysis Batch: 751756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		170	36	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2,4-Dinitrophenol	ND		1700	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2,4-Dinitrotoluene	ND		170	23	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2,6-Dinitrotoluene	ND		170	24	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2-Chloronaphthalene	ND		170	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2-Chlorophenol	ND		170	27	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2-Methylnaphthalene	ND		170	27	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2-Methylphenol	ND		170	27	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2-Nitroaniline	ND		330	29	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
2-Nitrophenol	ND		170	19	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
3,3'-Dichlorobenzidine	ND		330	50	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
3-Nitroaniline	ND		330	24	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4,6-Dinitro-2-methylphenol	ND		330	37	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4-Bromophenyl phenyl ether	ND		170	29	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4-Chloro-3-methylphenol	ND		170	35	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4-Chloroaniline	ND		170	24	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4-Chlorophenyl phenyl ether	ND		170	36	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4-Methylphenol	ND		330	30	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4-Nitroaniline	ND		330	25	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
4-Nitrophenol	ND		330	46	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Acenaphthene	ND		170	31	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Acenaphthylene	ND		170	33	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Acetophenone	ND		170	30	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Anthracene	ND		170	31	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Atrazine	ND		170	57	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Benzaldehyde	ND		170	130	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Benzo[a]anthracene	ND		170	23	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Benzo[a]pyrene	ND		170	29	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Benzo[b]fluoranthene	ND		170	23	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Benzo[g,h,i]perylene	ND		170	30	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Benzo[k]fluoranthene	ND		170	38	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Biphenyl	ND		170	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
bis (2-chloroisopropyl) ether	ND		170	35	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Bis(2-chloroethoxy)methane	ND		170	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Bis(2-chloroethyl)ether	ND		170	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Bis(2-ethylhexyl) phthalate	ND		170	37	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Butyl benzyl phthalate	ND		170	31	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Caprolactam	ND		170	39	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Carbazole	ND		170	33	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Chrysene	ND		170	41	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Dibenz(a,h)anthracene	ND		170	34	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Dibenzofuran	ND		170	30	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Diethyl phthalate	ND		170	30	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Dimethyl phthalate	ND		170	33	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Di-n-butyl phthalate	ND		170	38	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Di-n-octyl phthalate	ND		170	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Fluoranthene	ND		170	31	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Fluorene	ND		170	31	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Hexachlorobenzene	ND		170	33	ug/Kg		07/12/25 07:49	07/16/25 00:48	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-751553/1-A
Matrix: Solid
Analysis Batch: 751756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		170	25	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Hexachlorocyclopentadiene	ND		330	74	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Hexachloroethane	ND		170	31	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Indeno[1,2,3-cd]pyrene	ND		170	25	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Isophorone	ND		170	35	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Naphthalene	ND		170	28	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Nitrobenzene	ND		170	28	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
N-Nitrosodi-n-propylamine	ND		170	38	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
N-Nitrosodiphenylamine	ND		170	28	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Pentachlorophenol	ND		330	54	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Phenanthrene	ND		170	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Phenol	ND		170	31	ug/Kg		07/12/25 07:49	07/16/25 00:48	1
Pyrene	ND		170	32	ug/Kg		07/12/25 07:49	07/16/25 00:48	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentene, 2,3-dimethyl-	*578*	*T J N*	*ug/Kg*		*2.68*	*10574-37-5*	*07/12/25 07:49*	*07/16/25 00:48*	*1*
Unknown	*18500*	*T J*	*ug/Kg*		*3.40*	*N/A*	*07/12/25 07:49*	*07/16/25 00:48*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*10 - 140*	*07/12/25 07:49*	*07/16/25 00:48*	*1*
2-Fluorobiphenyl	*102*		*29 - 120*	*07/12/25 07:49*	*07/16/25 00:48*	*1*
2-Fluorophenol	*74*		*18 - 120*	*07/12/25 07:49*	*07/16/25 00:48*	*1*
Nitrobenzene-d5	*76*		*22 - 120*	*07/12/25 07:49*	*07/16/25 00:48*	*1*
Phenol-d5	*77*		*23 - 120*	*07/12/25 07:49*	*07/16/25 00:48*	*1*
p-Terphenyl-d14	*92*		*28 - 124*	*07/12/25 07:49*	*07/16/25 00:48*	*1*

Lab Sample ID: LCS 480-751553/2-A
Matrix: Solid
Analysis Batch: 751756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751553

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	2670	1120		ug/Kg		42	22 - 120
2,4,5-Trichlorophenol	2670	2460		ug/Kg		92	52 - 120
2,4,6-Trichlorophenol	2670	2410		ug/Kg		91	51 - 120
2,4-Dichlorophenol	2670	2190		ug/Kg		82	44 - 120
2,4-Dimethylphenol	2670	2020		ug/Kg		76	48 - 120
2,4-Dinitrophenol	5330	2020		ug/Kg		38	28 - 120
2,4-Dinitrotoluene	2670	2120		ug/Kg		80	55 - 125
2,6-Dinitrotoluene	2670	2540		ug/Kg		95	51 - 125
2-Chloronaphthalene	2670	2420		ug/Kg		91	46 - 120
2-Chlorophenol	2670	1900		ug/Kg		71	40 - 120
2-Methylnaphthalene	2670	2170		ug/Kg		81	45 - 120
2-Methylphenol	2670	1710		ug/Kg		64	41 - 120
2-Nitroaniline	2670	1930		ug/Kg		72	51 - 125
2-Nitrophenol	2670	2120		ug/Kg		79	43 - 120
3,3'-Dichlorobenzidine	2670	2270		ug/Kg		85	10 - 120
3-Nitroaniline	2670	1880		ug/Kg		70	33 - 120
4,6-Dinitro-2-methylphenol	5330	3730		ug/Kg		70	49 - 126

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-751553/2-A
Matrix: Solid
Analysis Batch: 751756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751553

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Bromophenyl phenyl ether	2670	2990		ug/Kg		112	55 - 123
4-Chloro-3-methylphenol	2670	1930		ug/Kg		72	54 - 120
4-Chloroaniline	2670	1860		ug/Kg		70	20 - 120
4-Chlorophenyl phenyl ether	2670	2260		ug/Kg		85	54 - 120
4-Methylphenol	2670	1770		ug/Kg		66	43 - 120
4-Nitroaniline	2670	1890		ug/Kg		71	54 - 120
4-Nitrophenol	5330	3300		ug/Kg		62	47 - 120
Acenaphthene	2670	2310		ug/Kg		87	49 - 121
Acenaphthylene	2670	2210		ug/Kg		83	49 - 120
Acetophenone	2670	1780		ug/Kg		67	39 - 120
Anthracene	2670	2500		ug/Kg		94	57 - 120
Atrazine	2670	1800		ug/Kg		67	44 - 120
Benzaldehyde	2670	1520		ug/Kg		57	10 - 120
Benzo[a]anthracene	2670	2490		ug/Kg		93	58 - 120
Benzo[a]pyrene	2670	2370		ug/Kg		89	59 - 122
Benzo[b]fluoranthene	2670	2470		ug/Kg		93	56 - 120
Benzo[g,h,i]perylene	2670	2670		ug/Kg		100	56 - 132
Benzo[k]fluoranthene	2670	2090		ug/Kg		78	59 - 127
Biphenyl	2670	2450		ug/Kg		92	47 - 120
bis (2-chloroisopropyl) ether	2670	1570		ug/Kg		59	31 - 120
Bis(2-chloroethoxy)methane	2670	2090		ug/Kg		78	42 - 120
Bis(2-chloroethyl)ether	2670	1840		ug/Kg		69	34 - 120
Bis(2-ethylhexyl) phthalate	2670	2230		ug/Kg		84	49 - 130
Butyl benzyl phthalate	2670	2240		ug/Kg		84	50 - 122
Caprolactam	2670	1310		ug/Kg		49	10 - 120
Carbazole	2670	2520		ug/Kg		95	58 - 124
Chrysene	2670	2530		ug/Kg		95	57 - 120
Dibenz(a,h)anthracene	2670	2790		ug/Kg		105	53 - 124
Dibenzofuran	2670	2220		ug/Kg		83	53 - 120
Diethyl phthalate	2670	2160		ug/Kg		81	54 - 120
Dimethyl phthalate	2670	2380		ug/Kg		89	53 - 120
Di-n-butyl phthalate	2670	2600		ug/Kg		98	49 - 120
Di-n-octyl phthalate	2670	2270		ug/Kg		85	42 - 125
Fluoranthene	2670	2500		ug/Kg		94	57 - 121
Fluorene	2670	2130		ug/Kg		80	55 - 121
Hexachlorobenzene	2670	2810		ug/Kg		105	56 - 120
Hexachlorobutadiene	2670	2320		ug/Kg		87	40 - 120
Hexachlorocyclopentadiene	2670	1640		ug/Kg		62	30 - 125
Hexachloroethane	2670	1820		ug/Kg		68	34 - 120
Indeno[1,2,3-cd]pyrene	2670	2740		ug/Kg		103	53 - 125
Isophorone	2670	1910		ug/Kg		72	46 - 120
Naphthalene	2670	2110		ug/Kg		79	43 - 120
Nitrobenzene	2670	1900		ug/Kg		71	40 - 120
N-Nitrosodi-n-propylamine	2670	1750		ug/Kg		66	41 - 120
Pentachlorophenol	5330	4510		ug/Kg		85	10 - 124
Phenanthrene	2670	2600		ug/Kg		97	57 - 120
Phenol	2670	1790		ug/Kg		67	37 - 120
Pyrene	2670	2390		ug/Kg		90	59 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-751553/2-A
Matrix: Solid
Analysis Batch: 751756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751553

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*119*		*10 - 140*
2-Fluorobiphenyl	*99*		*29 - 120*
2-Fluorophenol	*71*		*18 - 120*
Nitrobenzene-d5	*77*		*22 - 120*
Phenol-d5	*71*		*23 - 120*
p-Terphenyl-d14	*98*		*28 - 124*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-751725/1-A
Matrix: Solid
Analysis Batch: 752073

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751725

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.65	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
4,4'-DDE	ND		3.3	0.70	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
4,4'-DDT	ND		3.3	0.78	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Aldrin	ND		3.3	0.82	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
alpha-BHC	ND		3.3	0.60	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
cis-Chlordane	ND		3.3	1.7	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
beta-BHC	0.978	J	3.3	0.60	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
delta-BHC	ND		3.3	0.62	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Dieldrin	ND		3.3	0.80	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Endosulfan I	ND		3.3	0.64	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Endosulfan II	ND		3.3	0.60	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Endosulfan sulfate	ND		3.3	0.62	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Endrin	ND		3.3	0.66	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Endrin aldehyde	ND		3.3	0.85	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Endrin ketone	ND		3.3	0.82	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
gamma-BHC (Lindane)	ND		3.3	0.61	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
trans-Chlordane	ND		3.3	1.1	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Heptachlor	ND		3.3	0.72	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Heptachlor epoxide	ND		3.3	0.86	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Methoxychlor	ND		3.3	0.68	ug/Kg		07/15/25 06:52	07/18/25 09:59	1
Toxaphene	ND		33	19	ug/Kg		07/15/25 06:52	07/18/25 09:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*45 - 120*	*07/15/25 06:52*	*07/18/25 09:59*	*1*
DCB Decachlorobiphenyl	*83*		*45 - 120*	*07/15/25 06:52*	*07/18/25 09:59*	*1*
Tetrachloro-m-xylene	*70*		*30 - 124*	*07/15/25 06:52*	*07/18/25 09:59*	*1*
Tetrachloro-m-xylene	*70*		*30 - 124*	*07/15/25 06:52*	*07/18/25 09:59*	*1*

Lab Sample ID: LCS 480-751725/2-A
Matrix: Solid
Analysis Batch: 752073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751725

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	33.3	27.3		ug/Kg		82	56 - 120

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-751725/2-A
Matrix: Solid
Analysis Batch: 752073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751725

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDE	33.3	24.7		ug/Kg		74	44 - 120
4,4'-DDT	33.3	27.1		ug/Kg		81	38 - 120
Aldrin	33.3	21.7		ug/Kg		65	38 - 120
alpha-BHC	33.3	21.3		ug/Kg		64	39 - 120
cis-Chlordane	33.3	20.7		ug/Kg		62	47 - 120
beta-BHC	33.3	24.2		ug/Kg		73	40 - 120
delta-BHC	33.3	24.7		ug/Kg		74	45 - 120
Dieldrin	33.3	26.0		ug/Kg		78	58 - 120
Endosulfan I	33.3	24.2		ug/Kg		73	49 - 120
Endosulfan II	33.3	25.3		ug/Kg		76	55 - 120
Endosulfan sulfate	33.3	23.1		ug/Kg		69	49 - 124
Endrin	33.3	26.8		ug/Kg		80	58 - 120
Endrin aldehyde	33.3	14.4		ug/Kg		43	37 - 121
Endrin ketone	33.3	24.5		ug/Kg		74	46 - 123
gamma-BHC (Lindane)	33.3	24.2		ug/Kg		73	50 - 120
trans-Chlordane	33.3	24.0		ug/Kg		72	48 - 120
Heptachlor	33.3	26.2		ug/Kg		78	50 - 120
Heptachlor epoxide	33.3	26.6		ug/Kg		80	50 - 120
Methoxychlor	33.3	28.3		ug/Kg		85	58 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*45 - 120*
DCB Decachlorobiphenyl	*93*		*45 - 120*
Tetrachloro-m-xylene	*75*		*30 - 124*
Tetrachloro-m-xylene	*74*		*30 - 124*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-663800/1-A
Matrix: Solid
Analysis Batch: 663761

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663800

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.050	0.025	mg/Kg		07/15/25 08:55	07/15/25 14:35	1
PCB-1221	ND		0.050	0.030	mg/Kg		07/15/25 08:55	07/15/25 14:35	1
PCB-1232	ND		0.050	0.021	mg/Kg		07/15/25 08:55	07/15/25 14:35	1
PCB-1242	ND		0.050	0.019	mg/Kg		07/15/25 08:55	07/15/25 14:35	1
PCB-1248	ND		0.050	0.017	mg/Kg		07/15/25 08:55	07/15/25 14:35	1
PCB-1254	ND		0.050	0.021	mg/Kg		07/15/25 08:55	07/15/25 14:35	1
PCB-1260	ND		0.050	0.021	mg/Kg		07/15/25 08:55	07/15/25 14:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*10 - 149*	*07/15/25 08:55*	*07/15/25 14:35*	*1*
DCB Decachlorobiphenyl	*118*		*10 - 174*	*07/15/25 08:55*	*07/15/25 14:35*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 240-663800/2-A
Matrix: Solid
Analysis Batch: 663761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663800

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1.00	0.697		mg/Kg		70	28 - 140		
PCB-1260			1.00	0.764		mg/Kg		76	39 - 153		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*74*		*10 - 149*
DCB Decachlorobiphenyl	*92*		*10 - 174*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-1049772/1-A
Matrix: Solid
Analysis Batch: 1049870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1049772

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		33	7.1	ug/Kg		07/15/25 05:36	07/15/25 17:07	1
2,4,5-T	ND		33	7.1	ug/Kg		07/15/25 05:36	07/15/25 17:07	1
Silvex (2,4,5-TP)	ND		33	3.5	ug/Kg		07/15/25 05:36	07/15/25 17:07	1
Silvex (2,4,5-TP)	ND		33	3.5	ug/Kg		07/15/25 05:36	07/15/25 17:07	1
2,4-D	ND		33	12	ug/Kg		07/15/25 05:36	07/15/25 17:07	1
2,4-D	ND		33	12	ug/Kg		07/15/25 05:36	07/15/25 17:07	1
Dichlorprop	ND		33	9.8	ug/Kg		07/15/25 05:36	07/15/25 17:07	1
Dichlorprop	ND		33	9.8	ug/Kg		07/15/25 05:36	07/15/25 17:07	1
Pentachlorophenol	ND		8.3	2.9	ug/Kg		07/15/25 05:36	07/15/25 17:07	1
Pentachlorophenol	ND		8.3	2.9	ug/Kg		07/15/25 05:36	07/15/25 17:07	1
Picloram	ND		8.3	7.3	ug/Kg		07/15/25 05:36	07/15/25 17:07	1
Picloram	ND		8.3	7.3	ug/Kg		07/15/25 05:36	07/15/25 17:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*130*		*38 - 150*	*07/15/25 05:36*	*07/15/25 17:07*	*1*
2,4-Dichlorophenylacetic acid	*125*		*38 - 150*	*07/15/25 05:36*	*07/15/25 17:07*	*1*

Lab Sample ID: LCS 460-1049772/2-A
Matrix: Solid
Analysis Batch: 1049870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1049772

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,5-T			41.7	53.8		ug/Kg		129	10 - 150		
2,4,5-T			41.7	56.9		ug/Kg		137	10 - 150		
Silvex (2,4,5-TP)			41.7	55.4		ug/Kg		133	22 - 150		
Silvex (2,4,5-TP)			41.7	59.2		ug/Kg		142	22 - 150		
2,4-D			167	194		ug/Kg		116	10 - 150		
2,4-D			167	200		ug/Kg		120	10 - 150		
Dichlorprop			167	187		ug/Kg		112	50 - 150		
Dichlorprop			167	182		ug/Kg		109	50 - 150		
Pentachlorophenol			41.7	53.0	*+	ug/Kg		127	28 - 120		
Pentachlorophenol			41.7	53.9	*+	ug/Kg		129	28 - 120		
Picloram			167	151		ug/Kg		91	10 - 150		
Picloram			167	150		ug/Kg		90	10 - 150		

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-1049772/2-A
Matrix: Solid
Analysis Batch: 1049870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1049772

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	139		38 - 150
2,4-Dichlorophenylacetic acid	135		38 - 150

Lab Sample ID: LCSD 460-1049772/3-A
Matrix: Solid
Analysis Batch: 1049870

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1049772

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T			41.7	56.8		ug/Kg		136	10 - 150	5	30
2,4,5-T			41.7	59.6		ug/Kg		143	10 - 150	5	30
Silvex (2,4,5-TP)			41.7	59.1		ug/Kg		142	22 - 150	6	30
Silvex (2,4,5-TP)			41.7	60.6		ug/Kg		145	22 - 150	2	30
2,4-D			167	203		ug/Kg		122	10 - 150	4	30
2,4-D			167	209		ug/Kg		126	10 - 150	4	30
Dichlorprop			167	197		ug/Kg		118	50 - 150	5	30
Dichlorprop			167	194		ug/Kg		116	50 - 150	6	30
Pentachlorophenol			41.7	57.3	*+	ug/Kg		137	28 - 120	8	30
Pentachlorophenol			41.7	58.3	*+	ug/Kg		140	28 - 120	8	30
Picloram			167	118		ug/Kg		71	10 - 150	25	30
Picloram			167	117		ug/Kg		70	10 - 150	25	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	148		38 - 150
2,4-Dichlorophenylacetic acid	145		38 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 240-663860/1-A
Matrix: Solid
Analysis Batch: 664034

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663860

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.10	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.080	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.11	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 240-663860/1-A
Matrix: Solid
Analysis Batch: 664034

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663860

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g		07/15/25 11:50	07/16/25 20:58	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.10	ng/g		07/15/25 11:50	07/16/25 20:58	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.10	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.053	ng/g		07/15/25 11:50	07/16/25 20:58	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.25	ng/g		07/15/25 11:50	07/16/25 20:58	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.25	ng/g		07/15/25 11:50	07/16/25 20:58	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.10	ng/g		07/15/25 11:50	07/16/25 20:58	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.25	ng/g		07/15/25 11:50	07/16/25 20:58	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.25	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.050	ng/g		07/15/25 11:50	07/16/25 20:58	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94.4*		*8 - 130*	*07/15/25 11:50*	*07/16/25 20:58*	*1*
13C5 PFPeA	*102*		*35 - 130*	*07/15/25 11:50*	*07/16/25 20:58*	*1*
13C5 PFHxA	*98.8*		*40 - 130*	*07/15/25 11:50*	*07/16/25 20:58*	*1*
13C4 PFHpA	*89.9*		*40 - 130*	*07/15/25 11:50*	*07/16/25 20:58*	*1*
13C8 PFOA	*102*		*40 - 130*	*07/15/25 11:50*	*07/16/25 20:58*	*1*
13C9 PFNA	*96.9*		*40 - 130*	*07/15/25 11:50*	*07/16/25 20:58*	*1*

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 240-663860/1-A
Matrix: Solid
Analysis Batch: 664034

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663860

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C6 PFDA	83.9		40 - 130	07/15/25 11:50	07/16/25 20:58	1
13C7 PFUnA	86.4		40 - 130	07/15/25 11:50	07/16/25 20:58	1
13C2 PFTeDA	82.1		20 - 130	07/15/25 11:50	07/16/25 20:58	1
13C3 PFBS	104		40 - 135	07/15/25 11:50	07/16/25 20:58	1
13C3 PFHxS	94.2		40 - 130	07/15/25 11:50	07/16/25 20:58	1
13C8 PFOS	86.4		40 - 130	07/15/25 11:50	07/16/25 20:58	1
13C8 FOSA	88.2		40 - 130	07/15/25 11:50	07/16/25 20:58	1
d3-NMeFOSAA	101		40 - 135	07/15/25 11:50	07/16/25 20:58	1
d5-NEtFOSAA	91.9		40 - 150	07/15/25 11:50	07/16/25 20:58	1
13C2 4:2 FTS	105		40 - 165	07/15/25 11:50	07/16/25 20:58	1
13C2 6:2 FTS	95.5		40 - 215	07/15/25 11:50	07/16/25 20:58	1
13C2 8:2 FTS	91.5		40 - 275	07/15/25 11:50	07/16/25 20:58	1
13C3 HFPO-DA	91.1		40 - 130	07/15/25 11:50	07/16/25 20:58	1
d7-N-MeFOSE-M	72.8		20 - 130	07/15/25 11:50	07/16/25 20:58	1
d9-N-EtFOSE-M	65.1		15 - 130	07/15/25 11:50	07/16/25 20:58	1
d5-NEtPFOSA	76.1		10 - 130	07/15/25 11:50	07/16/25 20:58	1
d3-NMePFOSA	78.5		10 - 130	07/15/25 11:50	07/16/25 20:58	1
13C2-PFDoA	82.0		40 - 130	07/15/25 11:50	07/16/25 20:58	1
13C3-PFPrS	102		20 - 150	07/15/25 11:50	07/16/25 20:58	1
13C2 10:2 FTS	95.9		40 - 275	07/15/25 11:50	07/16/25 20:58	1

Lab Sample ID: LCS 240-663860/3-A
Matrix: Solid
Analysis Batch: 664034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663860

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	5.00	5.68		ng/g		114	70 - 140
Perfluoropentanoic acid (PFPeA)	2.50	2.65		ng/g		106	60 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.74		ng/g		109	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.50	2.73		ng/g		109	65 - 145
Perfluorooctanoic acid (PFOA)	2.50	2.69		ng/g		108	70 - 150
Perfluorononanoic acid (PFNA)	2.50	2.57		ng/g		103	70 - 155
Perfluorodecanoic acid (PFDA)	2.50	2.61		ng/g		104	70 - 155
Perfluoroundecanoic acid (PFUnA)	2.50	2.48		ng/g		99	70 - 155
Perfluorododecanoic acid (PFDoA)	2.50	2.59		ng/g		104	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.40		ng/g		96	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.53		ng/g		101	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.22	2.43		ng/g		110	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.76		ng/g		117	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.48		ng/g		109	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.71		ng/g		114	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.33	2.59		ng/g		111	65 - 160

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 240-663860/3-A
Matrix: Solid
Analysis Batch: 664034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663860

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanesulfonic acid (PFNS)	2.41	2.76		ng/g		115	55 - 140
Perfluorododecanesulfonic acid (PFDoS)	2.43	2.39		ng/g		99	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.74		ng/g		101	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	5.00		ng/g		105	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	5.17		ng/g		108	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.64		ng/g		106	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.88		ng/g		115	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.69		ng/g		108	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.43		ng/g		97	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.66		ng/g		106	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	13.0		ng/g		104	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	13.7		ng/g		110	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	2.29		ng/g		122	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	2.69		ng/g		114	70 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	2.72		ng/g		109	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	2.60		ng/g		104	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.34	2.56		ng/g		109	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.36	2.59		ng/g		110	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.23	2.16		ng/g		97	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	5.00	5.06		ng/g		101	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.5	13.3		ng/g		107	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.5	12.7		ng/g		102	60 - 150
Perfluorodecanesulfonic acid (PFDS)	2.41	2.55		ng/g		106	40 - 155
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	2.53		ng/g		101	30 - 140

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*94.4*		*8 - 130*
13C5 PFPeA	*105*		*35 - 130*
13C5 PFHxA	*101*		*40 - 130*

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 240-663860/3-A
Matrix: Solid
Analysis Batch: 664034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663860

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFHpA	95.5		40 - 130
13C8 PFOA	98.8		40 - 130
13C9 PFNA	98.5		40 - 130
13C6 PFDA	89.6		40 - 130
13C7 PFUnA	91.4		40 - 130
13C2 PFTeDA	86.8		20 - 130
13C3 PFBS	105		40 - 135
13C3 PFHxS	94.8		40 - 130
13C8 PFOS	88.2		40 - 130
13C8 FOSA	91.4		40 - 130
d3-NMeFOSAA	107		40 - 135
d5-NEtFOSAA	94.4		40 - 150
13C2 4:2 FTS	106		40 - 165
13C2 6:2 FTS	91.0		40 - 215
13C2 8:2 FTS	91.9		40 - 275
13C3 HFPO-DA	93.5		40 - 130
d7-N-MeFOSE-M	71.5		20 - 130
d9-N-EtFOSE-M	65.3		15 - 130
d5-NEtPFOSA	78.1		10 - 130
d3-NMePFOSA	80.4		10 - 130
13C2-PFDoA	85.0		40 - 130
13C3-PFPrS	105		20 - 150
13C2 10:2 FTS	103		10 - 200

Lab Sample ID: LLCS 240-663860/2-A
Matrix: Solid
Analysis Batch: 664034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663860

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.577		ng/g		115	70 - 140
Perfluoropentanoic acid (PFPeA)	0.250	0.267		ng/g		107	60 - 150
Perfluorohexanoic acid (PFHxA)	0.250	0.284		ng/g		114	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.250	0.273		ng/g		109	65 - 145
Perfluorooctanoic acid (PFOA)	0.250	0.285		ng/g		114	70 - 150
Perfluorononanoic acid (PFNA)	0.250	0.268		ng/g		107	70 - 155
Perfluorodecanoic acid (PFDA)	0.250	0.267		ng/g		107	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.250	0.251		ng/g		100	70 - 155
Perfluorododecanoic acid (PFDoA)	0.250	0.268		ng/g		107	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.250	0.249		ng/g		100	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.256		ng/g		103	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.252		ng/g		114	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.255		ng/g		108	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.256		ng/g		112	60 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 240-663860/2-A
Matrix: Solid
Analysis Batch: 664034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663860

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.265		ng/g		111	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.285		ng/g		123	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.241	0.277		ng/g		115	55 - 140
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.238		ng/g		98	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.496		ng/g		106	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.497		ng/g		104	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.497		ng/g		104	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.260		ng/g		104	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.279		ng/g		112	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.264		ng/g		106	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.264		ng/g		105	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.269		ng/g		108	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.39		ng/g		111	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.43		ng/g		114	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.203		ng/g		108	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.252		ng/g		106	70 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.249		ng/g		100	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.275		ng/g		110	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.234	0.244		ng/g		105	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.236	0.265		ng/g		112	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.205		ng/g		92	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.500	0.497		ng/g		99	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.25	1.26		ng/g		101	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.25	1.23		ng/g		98	60 - 150
Perfluorodecanesulfonic acid (PFDS)	0.241	0.252		ng/g		105	40 - 155
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.248		ng/g		99	30 - 140

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	87.8		8 - 130
13C5 PFPeA	97.3		35 - 130
13C5 PFHxA	94.3		40 - 130
13C4 PFHpA	86.2		40 - 130
13C8 PFOA	89.7		40 - 130
13C9 PFNA	91.5		40 - 130
13C6 PFDA	85.5		40 - 130
13C7 PFUnA	91.0		40 - 130
13C2 PFTeDA	84.7		20 - 130
13C3 PFBS	94.4		40 - 135
13C3 PFHxS	89.6		40 - 130
13C8 PFOS	86.2		40 - 130
13C8 FOSA	83.1		40 - 130
d3-NMeFOSAA	102		40 - 135
d5-NEtFOSAA	89.1		40 - 150
13C2 4:2 FTS	97.8		40 - 165
13C2 6:2 FTS	85.1		40 - 215
13C2 8:2 FTS	88.5		40 - 275
13C3 HFPO-DA	89.0		40 - 130
d7-N-MeFOSE-M	69.6		20 - 130
d9-N-EtFOSE-M	66.4		15 - 130
d5-NEtPFOSA	73.5		10 - 130
d3-NMePFOSA	76.2		10 - 130
13C2-PFDoA	83.3		40 - 130
13C3-PFPrS	92.9		20 - 150
13C2 10:2 FTS	100		10 - 200

Lab Sample ID: MB 240-664043/1-A
Matrix: Solid
Analysis Batch: 664191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 664043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.10	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.080	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.11	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 240-664043/1-A
Matrix: Solid
Analysis Batch: 664191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 664043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g		07/16/25 12:09	07/17/25 13:52	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.10	ng/g		07/16/25 12:09	07/17/25 13:52	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.10	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.053	ng/g		07/16/25 12:09	07/17/25 13:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.25	ng/g		07/16/25 12:09	07/17/25 13:52	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.25	ng/g		07/16/25 12:09	07/17/25 13:52	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.10	ng/g		07/16/25 12:09	07/17/25 13:52	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.25	ng/g		07/16/25 12:09	07/17/25 13:52	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.25	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.050	ng/g		07/16/25 12:09	07/17/25 13:52	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90.2*		*8 - 130*	*07/16/25 12:09*	*07/17/25 13:52*	*1*
13C5 PFPeA	*97.1*		*35 - 130*	*07/16/25 12:09*	*07/17/25 13:52*	*1*
13C5 PFHxA	*92.7*		*40 - 130*	*07/16/25 12:09*	*07/17/25 13:52*	*1*
13C4 PFHpA	*89.3*		*40 - 130*	*07/16/25 12:09*	*07/17/25 13:52*	*1*
13C8 PFOA	*96.4*		*40 - 130*	*07/16/25 12:09*	*07/17/25 13:52*	*1*
13C9 PFNA	*93.5*		*40 - 130*	*07/16/25 12:09*	*07/17/25 13:52*	*1*
13C6 PFDA	*81.1*		*40 - 130*	*07/16/25 12:09*	*07/17/25 13:52*	*1*
13C7 PFUnA	*84.1*		*40 - 130*	*07/16/25 12:09*	*07/17/25 13:52*	*1*
13C2 PFTeDA	*77.8*		*20 - 130*	*07/16/25 12:09*	*07/17/25 13:52*	*1*
13C3 PFBS	*102*		*40 - 135*	*07/16/25 12:09*	*07/17/25 13:52*	*1*

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 240-664043/1-A
Matrix: Solid
Analysis Batch: 664191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 664043

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFHxS	90.9		40 - 130	07/16/25 12:09	07/17/25 13:52	1
13C8 PFOS	83.7		40 - 130	07/16/25 12:09	07/17/25 13:52	1
13C8 FOSA	84.6		40 - 130	07/16/25 12:09	07/17/25 13:52	1
d3-NMeFOSAA	103		40 - 135	07/16/25 12:09	07/17/25 13:52	1
d5-NEtFOSAA	86.0		40 - 150	07/16/25 12:09	07/17/25 13:52	1
13C2 4:2 FTS	108		40 - 165	07/16/25 12:09	07/17/25 13:52	1
13C2 6:2 FTS	94.6		40 - 215	07/16/25 12:09	07/17/25 13:52	1
13C2 8:2 FTS	89.9		40 - 275	07/16/25 12:09	07/17/25 13:52	1
13C3 HFPO-DA	88.2		40 - 130	07/16/25 12:09	07/17/25 13:52	1
d7-N-MeFOSE-M	72.4		20 - 130	07/16/25 12:09	07/17/25 13:52	1
d9-N-EtFOSE-M	67.4		15 - 130	07/16/25 12:09	07/17/25 13:52	1
d5-NEtPFOSA	72.0		10 - 130	07/16/25 12:09	07/17/25 13:52	1
d3-NMePFOSA	76.2		10 - 130	07/16/25 12:09	07/17/25 13:52	1
13C2-PFDoA	78.0		40 - 130	07/16/25 12:09	07/17/25 13:52	1
13C3-PFPrS	98.9		20 - 150	07/16/25 12:09	07/17/25 13:52	1
13C2 10:2 FTS	97.7		40 - 275	07/16/25 12:09	07/17/25 13:52	1

Lab Sample ID: LCS 240-664043/3-A
Matrix: Solid
Analysis Batch: 664191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 664043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	5.00	5.57		ng/g		111	70 - 140
Perfluoropentanoic acid (PFPeA)	2.50	2.61		ng/g		104	60 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.67		ng/g		107	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.50	2.75		ng/g		110	65 - 145
Perfluorooctanoic acid (PFOA)	2.50	2.72		ng/g		109	70 - 150
Perfluorononanoic acid (PFNA)	2.50	2.58		ng/g		103	70 - 155
Perfluorodecanoic acid (PFDA)	2.50	2.59		ng/g		104	70 - 155
Perfluoroundecanoic acid (PFUnA)	2.50	2.55		ng/g		102	70 - 155
Perfluorododecanoic acid (PFDoA)	2.50	2.59		ng/g		104	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.48		ng/g		99	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.58		ng/g		103	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.22	2.40		ng/g		108	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.66		ng/g		113	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.43		ng/g		107	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.68		ng/g		112	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.33	2.51		ng/g		108	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.41	2.67		ng/g		111	55 - 140
Perfluorododecanesulfonic acid (PFDoS)	2.43	2.35		ng/g		97	25 - 160

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 240-664043/3-A
Matrix: Solid
Analysis Batch: 664191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 664043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.83		ng/g		103	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	4.91		ng/g		103	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	4.90		ng/g		102	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.61		ng/g		105	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.78		ng/g		111	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.68		ng/g		107	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.46		ng/g		98	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.64		ng/g		106	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	12.4		ng/g		99	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	13.8		ng/g		110	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	2.06		ng/g		110	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	2.51		ng/g		106	70 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	2.56		ng/g		102	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	2.70		ng/g		108	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.34	2.46		ng/g		105	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.36	2.51		ng/g		106	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.23	2.26		ng/g		102	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	5.00	4.81		ng/g		96	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.5	13.5		ng/g		108	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.5	12.7		ng/g		102	60 - 150
Perfluorodecanesulfonic acid (PFDS)	2.41	2.44		ng/g		101	40 - 155
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	2.55		ng/g		102	30 - 140

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*92.5*		*8 - 130*
13C5 PFPeA	*102*		*35 - 130*
13C5 PFHxA	*95.4*		*40 - 130*
13C4 PFHpA	*93.6*		*40 - 130*
13C8 PFOA	*96.2*		*40 - 130*
13C9 PFNA	*96.5*		*40 - 130*

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 240-664043/3-A
Matrix: Solid
Analysis Batch: 664191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 664043

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C6 PFDA	83.5		40 - 130
13C7 PFUnA	84.6		40 - 130
13C2 PFTeDA	81.9		20 - 130
13C3 PFBS	103		40 - 135
13C3 PFHxS	93.2		40 - 130
13C8 PFOS	85.8		40 - 130
13C8 FOSA	87.7		40 - 130
d3-NMeFOSAA	103		40 - 135
d5-NEtFOSAA	87.9		40 - 150
13C2 4:2 FTS	108		40 - 165
13C2 6:2 FTS	91.9		40 - 215
13C2 8:2 FTS	92.7		40 - 275
13C3 HFPO-DA	94.6		40 - 130
d7-N-MeFOSE-M	77.7		20 - 130
d9-N-EtFOSE-M	64.6		15 - 130
d5-NEtPFOSA	72.5		10 - 130
d3-NMePFOSA	77.4		10 - 130
13C2-PFDoA	80.3		40 - 130
13C3-PFPrS	107		20 - 150
13C2 10:2 FTS	102		10 - 200

Lab Sample ID: LLCS 240-664043/2-A
Matrix: Solid
Analysis Batch: 664191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 664043

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.572		ng/g		114	70 - 140
Perfluoropentanoic acid (PFPeA)	0.250	0.271		ng/g		108	60 - 150
Perfluorohexanoic acid (PFHxA)	0.250	0.291		ng/g		116	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.250	0.290		ng/g		116	65 - 145
Perfluorooctanoic acid (PFOA)	0.250	0.290		ng/g		116	70 - 150
Perfluorononanoic acid (PFNA)	0.250	0.264		ng/g		105	70 - 155
Perfluorodecanoic acid (PFDA)	0.250	0.274		ng/g		110	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.250	0.260		ng/g		104	70 - 155
Perfluorododecanoic acid (PFDoA)	0.250	0.267		ng/g		107	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.250	0.251		ng/g		100	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.262		ng/g		105	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.245		ng/g		111	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.271		ng/g		115	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.264		ng/g		116	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.276		ng/g		116	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.272		ng/g		117	65 - 160

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 240-664043/2-A
Matrix: Solid
Analysis Batch: 664191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 664043

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanesulfonic acid (PFNS)	0.241	0.274		ng/g		114	55 - 140
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.244		ng/g		101	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.514		ng/g		110	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.484		ng/g		102	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.520		ng/g		108	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.274		ng/g		110	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.276		ng/g		110	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.273		ng/g		109	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.253		ng/g		101	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.266		ng/g		107	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.19		ng/g		96	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.34		ng/g		108	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.223		ng/g		119	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.259		ng/g		110	70 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.264		ng/g		106	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.295		ng/g		118	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.234	0.251		ng/g		108	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.236	0.252		ng/g		107	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.215		ng/g		96	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.500	0.454		ng/g		91	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.25	1.34		ng/g		108	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.25	1.25		ng/g		100	60 - 150
Perfluorodecanesulfonic acid (PFDS)	0.241	0.255		ng/g		106	40 - 155
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.254		ng/g		102	30 - 140

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*91.8*		*8 - 130*
13C5 PFPeA	*97.0*		*35 - 130*
13C5 PFHxA	*95.9*		*40 - 130*

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 240-664043/2-A
Matrix: Solid
Analysis Batch: 664191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 664043

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFHpA	91.3		40 - 130
13C8 PFOA	94.3		40 - 130
13C9 PFNA	96.3		40 - 130
13C6 PFDA	85.9		40 - 130
13C7 PFUnA	88.6		40 - 130
13C2 PFTeDA	84.4		20 - 130
13C3 PFBS	105		40 - 135
13C3 PFHxS	93.2		40 - 130
13C8 PFOS	85.8		40 - 130
13C8 FOSA	87.1		40 - 130
d3-NMeFOSAA	103		40 - 135
d5-NEtFOSAA	86.2		40 - 150
13C2 4:2 FTS	111		40 - 165
13C2 6:2 FTS	98.1		40 - 215
13C2 8:2 FTS	95.5		40 - 275
13C3 HFPO-DA	90.7		40 - 130
d7-N-MeFOSE-M	73.5		20 - 130
d9-N-EtFOSE-M	65.8		15 - 130
d5-NEtPFOSA	73.2		10 - 130
d3-NMePFOSA	76.3		10 - 130
13C2-PFDoA	82.3		40 - 130
13C3-PFPrS	103		20 - 150
13C2 10:2 FTS	106		10 - 200

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-751680/1-A
Matrix: Solid
Analysis Batch: 751914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.6	8.2	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Antimony	ND		14.3	0.51	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Arsenic	ND		1.9	0.84	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Barium	1.09		0.48	0.13	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Beryllium	ND		0.19	0.038	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Cadmium	ND		0.19	0.067	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Calcium	ND	^5-	47.8	25.8	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Chromium	ND		0.48	0.34	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Cobalt	ND		0.48	0.096	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Copper	ND		0.96	0.54	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Iron	ND		9.6	8.1	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Lead	ND		0.96	0.44	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Magnesium	ND		19.1	8.1	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Manganese	ND		0.96	0.27	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Nickel	ND		4.8	0.24	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Potassium	ND		28.7	23.2	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Selenium	ND		3.8	0.76	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Silver	ND	^5-	0.57	0.19	mg/Kg		07/15/25 09:36	07/16/25 11:45	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 480-751680/1-A
Matrix: Solid
Analysis Batch: 751914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	ND		134	58.6	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Thallium	ND		5.7	0.73	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Vanadium	ND		0.48	0.12	mg/Kg		07/15/25 09:36	07/16/25 11:45	1
Zinc	1.00	J ^5-	1.9	0.98	mg/Kg		07/15/25 09:36	07/16/25 11:45	1

Lab Sample ID: LCSSRM 480-751680/2-A
Matrix: Solid
Analysis Batch: 751914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751680

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7680	8520		mg/Kg		110.9	47.4 - 130.2
Antimony	201	71.07		mg/Kg		35.4	0.06 - 100.0
Arsenic	181	142.8		mg/Kg		78.9	66.3 - 97.8
Barium	211	187.2		mg/Kg		88.7	73.9 - 107.1
Beryllium	270	237.9		mg/Kg		88.1	73.0 - 104.4
Cadmium	221	177.7		mg/Kg		80.4	70.6 - 101.8
Calcium	4280	4015		mg/Kg		93.8	77.3 - 111.0
Chromium	149	133.8		mg/Kg		89.8	71.8 - 105.4
Cobalt	142	137.4		mg/Kg		96.7	73.2 - 104.2
Copper	264	221.4		mg/Kg		83.9	73.5 - 104.2
Iron	7360	7419		mg/Kg		100.8	55.4 - 130.3
Lead	106	109.2		mg/Kg		103.0	76.1 - 109.4
Magnesium	2170	2076		mg/Kg		95.7	68.7 - 112.0
Manganese	270	242.3		mg/Kg		89.7	73.0 - 107.8
Nickel	177	167.7		mg/Kg		94.7	71.8 - 103.4
Potassium	2340	2216		mg/Kg		94.7	62.8 - 113.7
Selenium	139	116.4		mg/Kg		83.7	70.0 - 107.9
Silver	59.9	51.29		mg/Kg		85.6	72.8 - 110.7
Sodium	306	284.7		mg/Kg		93.0	66.0 - 113.4
Thallium	205	198.2		mg/Kg		96.7	71.7 - 106.8
Vanadium	155	140.6		mg/Kg		90.7	69.0 - 107.7
Zinc	398	341.4		mg/Kg		85.8	68.8 - 104.5

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 480-751682/1-A
Matrix: Solid
Analysis Batch: 751900

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751682

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.6	8.3	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Antimony	ND		14.4	0.51	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Arsenic	ND		1.9	0.85	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Barium	ND		0.48	0.13	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Beryllium	ND		0.19	0.038	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Cadmium	ND		0.19	0.067	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Calcium	ND	^5-	48.1	25.9	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Chromium	ND		0.48	0.35	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Cobalt	ND		0.48	0.096	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Copper	ND		0.96	0.55	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Iron	ND		9.6	8.2	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Lead	ND		0.96	0.44	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Magnesium	ND		19.2	8.2	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Manganese	ND		0.96	0.27	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Nickel	ND		4.8	0.24	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Potassium	ND		28.8	23.3	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Selenium	ND		3.8	0.77	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Silver	ND	^5-	0.58	0.19	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Sodium	ND		135	58.9	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Thallium	ND		5.8	0.73	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Vanadium	ND		0.48	0.12	mg/Kg		07/14/25 11:02	07/16/25 10:02	1
Zinc	ND	^5-	1.9	0.98	mg/Kg		07/14/25 11:02	07/16/25 10:02	1

Lab Sample ID: LCSSRM 480-751682/2-A
Matrix: Solid
Analysis Batch: 751900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751682

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7680	8734		mg/Kg		113.7	47.4 - 130.2
Antimony	201	81.09		mg/Kg		40.3	0.06 - 100.0
Arsenic	181	149.0		mg/Kg		82.3	66.3 - 97.8
Barium	211	206.8		mg/Kg		98.0	73.9 - 107.1
Beryllium	270	259.5		mg/Kg		96.1	73.0 - 104.4
Cadmium	221	197.0		mg/Kg		89.1	70.6 - 101.8
Calcium	4280	4283		mg/Kg		100.1	77.3 - 111.0
Chromium	149	142.6		mg/Kg		95.7	71.8 - 105.4
Cobalt	142	142.6		mg/Kg		100.4	73.2 - 104.2
Copper	264	240.3		mg/Kg		91.0	73.5 - 104.2
Iron	7360	7238		mg/Kg		98.3	55.4 - 130.3
Lead	106	107.0		mg/Kg		101.0	76.1 - 109.4

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-751682/2-A
Matrix: Solid
Analysis Batch: 751900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751682

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	2170	2110		mg/Kg		97.2	68.7 - 112.0
Manganese	270	237.1		mg/Kg		87.8	73.0 - 107.8
Nickel	177	177.3		mg/Kg		100.2	71.8 - 103.4
Potassium	2340	2300		mg/Kg		98.3	62.8 - 113.7
Selenium	139	120.5		mg/Kg		86.7	70.0 - 107.9
Silver	59.9	52.66		mg/Kg		87.9	72.8 - 110.7
Sodium	306	292.6		mg/Kg		95.6	66.0 - 113.4
Thallium	205	229.5	*+	mg/Kg		111.9	71.7 - 106.8
Vanadium	155	145.6		mg/Kg		93.9	69.0 - 107.7
Zinc	398	351.9		mg/Kg		88.4	68.8 - 104.5

Lab Sample ID: 480-230990-3 MS
Matrix: Solid
Analysis Batch: 751900

Client Sample ID: SS-2
Prep Type: Total/NA
Prep Batch: 751682

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	4700		1170	8935	4	mg/Kg	☼	363	75 - 125
Antimony	ND	F1	114	86.13		mg/Kg	☼	76	75 - 125
Arsenic	10.3		228	232.4		mg/Kg	☼	97	75 - 125
Barium	246	F1	228	761.6	F1	mg/Kg	☼	226	75 - 125
Beryllium	0.69		113	116.3		mg/Kg	☼	102	75 - 125
Cadmium	0.18	J	114	112.6		mg/Kg	☼	99	75 - 125
Chromium	13.8		114	122.4		mg/Kg	☼	95	75 - 125
Cobalt	6.1		114	126.7		mg/Kg	☼	106	75 - 125
Copper	41.0		114	151.3		mg/Kg	☼	97	75 - 125
Iron	13400		1170	14950	4	mg/Kg	☼	132	75 - 125
Lead	130		114	262.4		mg/Kg	☼	116	75 - 125
Magnesium	2930		5700	8235		mg/Kg	☼	93	75 - 125
Manganese	133		114	245.7		mg/Kg	☼	99	75 - 125
Nickel	16.3		114	138.6		mg/Kg	☼	107	75 - 125
Potassium	802		5700	6788		mg/Kg	☼	105	75 - 125
Selenium	1.1	J	228	214.6		mg/Kg	☼	94	75 - 125
Silver	ND	^5-	11.4	10.76	^5-	mg/Kg	☼	94	75 - 125
Sodium	126	J	5700	5591		mg/Kg	☼	96	75 - 125
Thallium	ND	*+	228	230.6		mg/Kg	☼	101	75 - 125
Vanadium	21.4		114	134.6		mg/Kg	☼	99	75 - 125
Zinc	55.7	^5-	114	170.8	^5-	mg/Kg	☼	101	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 480-230990-3 MS
Matrix: Solid
Analysis Batch: 751979

Client Sample ID: SS-2
Prep Type: Total/NA
Prep Batch: 751682

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	21600	F1	5710	15840	F1	mg/Kg	☼	-101	75 - 125

Lab Sample ID: 480-230990-3 MSD
Matrix: Solid
Analysis Batch: 751900

Client Sample ID: SS-2
Prep Type: Total/NA
Prep Batch: 751682

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	4700		1130	9009	4	mg/Kg	☼	381	75 - 125	1	20
Antimony	ND	F1	111	75.15	F1	mg/Kg	☼	68	75 - 125	14	20
Arsenic	10.3		221	210.3		mg/Kg	☼	90	75 - 125	10	20
Barium	246	F1	221	696.5	F1	mg/Kg	☼	204	75 - 125	9	20
Beryllium	0.69		110	104.6		mg/Kg	☼	95	75 - 125	11	20
Cadmium	0.18	J	111	102.4		mg/Kg	☼	92	75 - 125	9	20
Chromium	13.8		111	112.1		mg/Kg	☼	89	75 - 125	9	20
Cobalt	6.1		111	115.3		mg/Kg	☼	99	75 - 125	9	20
Copper	41.0		111	139.1		mg/Kg	☼	89	75 - 125	8	20
Iron	13400		1130	14470	4	mg/Kg	☼	94	75 - 125	3	20
Lead	130		111	266.8		mg/Kg	☼	124	75 - 125	2	20
Magnesium	2930		5530	7400		mg/Kg	☼	81	75 - 125	11	20
Manganese	133		111	227.4		mg/Kg	☼	85	75 - 125	8	20
Nickel	16.3		111	127.1		mg/Kg	☼	100	75 - 125	9	20
Potassium	802		5530	6115		mg/Kg	☼	96	75 - 125	10	20
Selenium	1.1	J	221	194.4		mg/Kg	☼	87	75 - 125	10	20
Silver	ND	^5-	11.1	10.02	^5-	mg/Kg	☼	91	75 - 125	7	20
Sodium	126	J	5530	5042		mg/Kg	☼	89	75 - 125	10	20
Thallium	ND	*+	221	210.4		mg/Kg	☼	95	75 - 125	9	20
Vanadium	21.4		111	124.6		mg/Kg	☼	93	75 - 125	8	20
Zinc	55.7	^5-	111	164.0	^5-	mg/Kg	☼	98	75 - 125	4	20

Lab Sample ID: 480-230990-3 MSD
Matrix: Solid
Analysis Batch: 751979

Client Sample ID: SS-2
Prep Type: Total/NA
Prep Batch: 751682

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	21600	F1	5540	18690	F1	mg/Kg	☼	-52	75 - 125	16	20

Lab Sample ID: MB 480-751777/1-A
Matrix: Solid
Analysis Batch: 751979

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751777

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.5	8.2	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Antimony	ND		14.2	0.50	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Arsenic	ND		1.9	0.83	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Barium	ND		0.47	0.13	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Beryllium	ND		0.19	0.038	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Cadmium	ND		0.19	0.066	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Calcium	ND		47.4	25.6	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Chromium	ND		0.47	0.34	mg/Kg		07/16/25 08:18	07/16/25 18:54	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 480-751777/1-A
Matrix: Solid
Analysis Batch: 751979

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751777

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.47	0.095	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Copper	ND		0.95	0.54	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Iron	ND		9.5	8.0	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Lead	ND		0.95	0.44	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Magnesium	ND		18.9	8.0	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Manganese	ND		0.95	0.27	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Nickel	ND		4.7	0.24	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Potassium	ND		28.4	23.0	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Selenium	ND		3.8	0.76	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Silver	ND	^5-	0.57	0.19	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Sodium	ND		133	58.1	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Thallium	ND		5.7	0.72	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Vanadium	0.206	J	0.47	0.12	mg/Kg		07/16/25 08:18	07/16/25 18:54	1
Zinc	ND	^5-	1.9	0.97	mg/Kg		07/16/25 08:18	07/16/25 18:54	1

Lab Sample ID: LCSSRM 480-751777/2-A
Matrix: Solid
Analysis Batch: 751979

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751777

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7680	8576		mg/Kg		111.7	47.4 - 130.2
Antimony	201	68.63		mg/Kg		34.1	0.06 - 100.0
Arsenic	181	138.1		mg/Kg		76.3	66.3 - 97.8
Barium	211	185.5		mg/Kg		87.9	73.9 - 107.1
Beryllium	270	251.3		mg/Kg		93.1	73.0 - 104.4
Cadmium	221	183.7		mg/Kg		83.1	70.6 - 101.8
Calcium	4280	4200		mg/Kg		98.1	77.3 - 111.0
Chromium	149	137.9		mg/Kg		92.5	71.8 - 105.4
Cobalt	142	139.8		mg/Kg		98.5	73.2 - 104.2
Copper	264	230.8		mg/Kg		87.4	73.5 - 104.2
Iron	7360	7473		mg/Kg		101.5	55.4 - 130.3
Lead	106	105.8		mg/Kg		99.8	76.1 - 109.4
Magnesium	2170	2110		mg/Kg		97.3	68.7 - 112.0
Manganese	270	240.2		mg/Kg		89.0	73.0 - 107.8
Nickel	177	171.8		mg/Kg		97.1	71.8 - 103.4
Potassium	2340	2265		mg/Kg		96.8	62.8 - 113.7
Selenium	139	110.5		mg/Kg		79.5	70.0 - 107.9

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-751777/2-A
Matrix: Solid
Analysis Batch: 751979

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751777

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Silver			59.9	52.78		mg/Kg		88.1	72.8 - 110.7		
Sodium			306	292.9		mg/Kg		95.7	66.0 - 113.4		
Thallium			205	186.2		mg/Kg		90.9	71.7 - 106.8		
Vanadium			155	142.6		mg/Kg		92.0	69.0 - 107.7		
Zinc			398	350.3		mg/Kg		88.0	68.8 - 104.5		

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-751621/1-A
Matrix: Solid
Analysis Batch: 751708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751621

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.019	0.0045	mg/Kg		07/14/25 10:43	07/14/25 13:14	1

Lab Sample ID: LCSSRM 480-751621/2-A ^10
Matrix: Solid
Analysis Batch: 751708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751621

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			24.0	18.07		mg/Kg		75.3	55.8 - 109.6		

Lab Sample ID: 480-230990-3 MS
Matrix: Solid
Analysis Batch: 751708

Client Sample ID: SS-2
Prep Type: Total/NA
Prep Batch: 751621

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.91	F1 F2	0.356	2.74	E F1	mg/Kg	☼	513	80 - 120		

Lab Sample ID: 480-230990-3 MSD
Matrix: Solid
Analysis Batch: 751708

Client Sample ID: SS-2
Prep Type: Total/NA
Prep Batch: 751621

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.91	F1 F2	0.373	0.776	F1 F2	mg/Kg	☼	-37	80 - 120	112	20

GC/MS VOA

Prep Batch: 751829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-2	TP-7 2-3FT	Total/NA	Solid	5035A_L	
MB 480-751829/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-751829/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 751832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-2	TP-7 2-3FT	Total/NA	Solid	8260C	751829
MB 480-751829/2-A	Method Blank	Total/NA	Solid	8260C	751829
LCS 480-751829/1-A	Lab Control Sample	Total/NA	Solid	8260C	751829

Prep Batch: 751943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	5035A_L	
MB 480-751943/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-751943/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 751946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	8260C	751943
MB 480-751943/2-A	Method Blank	Total/NA	Solid	8260C	751943
LCS 480-751943/1-A	Lab Control Sample	Total/NA	Solid	8260C	751943

Analysis Batch: 751995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-9	TP-10 6-8FT	Total/NA	Solid	8260C	752009
MB 480-752009/1-A	Method Blank	Total/NA	Solid	8260C	752009
LCS 480-752009/2-A	Lab Control Sample	Total/NA	Solid	8260C	752009

Prep Batch: 752009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-9	TP-10 6-8FT	Total/NA	Solid	5035A_H	
MB 480-752009/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-752009/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

GC/MS Semi VOA

Prep Batch: 751553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	3546	
480-230990-2	TP-7 2-3FT	Total/NA	Solid	3546	
480-230990-3	SS-2	Total/NA	Solid	3546	
480-230990-4	TP-8 3-4FT	Total/NA	Solid	3546	
480-230990-5	SS-3	Total/NA	Solid	3546	
480-230990-6	TP-9 6-8FT	Total/NA	Solid	3546	
480-230990-7	TP-9 12FT	Total/NA	Solid	3546	
480-230990-8	SS-4	Total/NA	Solid	3546	
480-230990-9	TP-10 6-8FT	Total/NA	Solid	3546	
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	3546	
480-230990-11	TP-11 6-8FT	Total/NA	Solid	3546	
480-230990-12	SS-5	Total/NA	Solid	3546	
MB 480-751553/1-A	Method Blank	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 751553 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-751553/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 751756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	8270D	751553
MB 480-751553/1-A	Method Blank	Total/NA	Solid	8270D	751553
LCS 480-751553/2-A	Lab Control Sample	Total/NA	Solid	8270D	751553

Analysis Batch: 751872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-2	TP-7 2-3FT	Total/NA	Solid	8270D	751553
480-230990-3	SS-2	Total/NA	Solid	8270D	751553
480-230990-4	TP-8 3-4FT	Total/NA	Solid	8270D	751553
480-230990-5	SS-3	Total/NA	Solid	8270D	751553
480-230990-6	TP-9 6-8FT	Total/NA	Solid	8270D	751553
480-230990-7	TP-9 12FT	Total/NA	Solid	8270D	751553
480-230990-8	SS-4	Total/NA	Solid	8270D	751553

Analysis Batch: 752098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-9	TP-10 6-8FT	Total/NA	Solid	8270D	751553
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	8270D	751553
480-230990-11	TP-11 6-8FT	Total/NA	Solid	8270D	751553
480-230990-12	SS-5	Total/NA	Solid	8270D	751553

GC Semi VOA

Analysis Batch: 663761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	8082A	663800
480-230990-2	TP-7 2-3FT	Total/NA	Solid	8082A	663800
480-230990-8	SS-4	Total/NA	Solid	8082A	663800
480-230990-9	TP-10 6-8FT	Total/NA	Solid	8082A	663800
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	8082A	663800
MB 240-663800/1-A	Method Blank	Total/NA	Solid	8082A	663800
LCS 240-663800/2-A	Lab Control Sample	Total/NA	Solid	8082A	663800

Prep Batch: 663800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	3546	
480-230990-2	TP-7 2-3FT	Total/NA	Solid	3546	
480-230990-8	SS-4	Total/NA	Solid	3546	
480-230990-9	TP-10 6-8FT	Total/NA	Solid	3546	
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	3546	
MB 240-663800/1-A	Method Blank	Total/NA	Solid	3546	
LCS 240-663800/2-A	Lab Control Sample	Total/NA	Solid	3546	

Prep Batch: 751725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	3546	
480-230990-2	TP-7 2-3FT	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 751725 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-8	SS-4	Total/NA	Solid	3546	
480-230990-9	TP-10 6-8FT	Total/NA	Solid	3546	
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	3546	
MB 480-751725/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-751725/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 752073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	8081B	751725
480-230990-2	TP-7 2-3FT	Total/NA	Solid	8081B	751725
480-230990-8	SS-4	Total/NA	Solid	8081B	751725
480-230990-9	TP-10 6-8FT	Total/NA	Solid	8081B	751725
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	8081B	751725
MB 480-751725/1-A	Method Blank	Total/NA	Solid	8081B	751725
LCS 480-751725/2-A	Lab Control Sample	Total/NA	Solid	8081B	751725

Prep Batch: 1049772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	8151A	
480-230990-2	TP-7 2-3FT	Total/NA	Solid	8151A	
480-230990-8	SS-4	Total/NA	Solid	8151A	
480-230990-9	TP-10 6-8FT	Total/NA	Solid	8151A	
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	8151A	
MB 460-1049772/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-1049772/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-1049772/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 1049870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	8151A	1049772
480-230990-2	TP-7 2-3FT	Total/NA	Solid	8151A	1049772
480-230990-8	SS-4	Total/NA	Solid	8151A	1049772
480-230990-9	TP-10 6-8FT	Total/NA	Solid	8151A	1049772
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	8151A	1049772
MB 460-1049772/1-A	Method Blank	Total/NA	Solid	8151A	1049772
LCS 460-1049772/2-A	Lab Control Sample	Total/NA	Solid	8151A	1049772
LCSD 460-1049772/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	1049772

LCMS

Prep Batch: 663860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	1633 Shake	
480-230990-2	TP-7 2-3FT	Total/NA	Solid	1633 Shake	
480-230990-8	SS-4	Total/NA	Solid	1633 Shake	
MB 240-663860/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 240-663860/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 240-663860/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	

LCMS

Analysis Batch: 664034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	1633A	663860
480-230990-2	TP-7 2-3FT	Total/NA	Solid	1633A	663860
480-230990-8	SS-4	Total/NA	Solid	1633A	663860
MB 240-663860/1-A	Method Blank	Total/NA	Solid	1633A	663860
LCS 240-663860/3-A	Lab Control Sample	Total/NA	Solid	1633A	663860
LLCS 240-663860/2-A	Lab Control Sample	Total/NA	Solid	1633A	663860

Prep Batch: 664043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-9	TP-10 6-8FT	Total/NA	Solid	1633 Shake	
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	1633 Shake	
MB 240-664043/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 240-664043/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 240-664043/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	

Analysis Batch: 664191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-9	TP-10 6-8FT	Total/NA	Solid	1633A	664043
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	1633A	664043
MB 240-664043/1-A	Method Blank	Total/NA	Solid	1633A	664043
LCS 240-664043/3-A	Lab Control Sample	Total/NA	Solid	1633A	664043
LLCS 240-664043/2-A	Lab Control Sample	Total/NA	Solid	1633A	664043

Metals

Prep Batch: 751621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	7471B	
480-230990-2	TP-7 2-3FT	Total/NA	Solid	7471B	
480-230990-3	SS-2	Total/NA	Solid	7471B	
480-230990-4	TP-8 3-4FT	Total/NA	Solid	7471B	
480-230990-5	SS-3	Total/NA	Solid	7471B	
480-230990-6	TP-9 6-8FT	Total/NA	Solid	7471B	
480-230990-7	TP-9 12FT	Total/NA	Solid	7471B	
480-230990-8	SS-4	Total/NA	Solid	7471B	
480-230990-9	TP-10 6-8FT	Total/NA	Solid	7471B	
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	7471B	
480-230990-11	TP-11 6-8FT	Total/NA	Solid	7471B	
480-230990-12	SS-5	Total/NA	Solid	7471B	
MB 480-751621/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-751621/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	
480-230990-3 MS	SS-2	Total/NA	Solid	7471B	
480-230990-3 MSD	SS-2	Total/NA	Solid	7471B	

Prep Batch: 751680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	3050B	
MB 480-751680/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-751680/2-A	Lab Control Sample	Total/NA	Solid	3050B	

QC Association Summary

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Metals

Prep Batch: 751682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-2	TP-7 2-3FT	Total/NA	Solid	3050B	
480-230990-3	SS-2	Total/NA	Solid	3050B	
MB 480-751682/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-751682/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-230990-3 MS	SS-2	Total/NA	Solid	3050B	
480-230990-3 MSD	SS-2	Total/NA	Solid	3050B	

Analysis Batch: 751708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	7471B	751621
480-230990-2	TP-7 2-3FT	Total/NA	Solid	7471B	751621
480-230990-3	SS-2	Total/NA	Solid	7471B	751621
480-230990-4	TP-8 3-4FT	Total/NA	Solid	7471B	751621
480-230990-5	SS-3	Total/NA	Solid	7471B	751621
480-230990-6	TP-9 6-8FT	Total/NA	Solid	7471B	751621
480-230990-7	TP-9 12FT	Total/NA	Solid	7471B	751621
480-230990-8	SS-4	Total/NA	Solid	7471B	751621
480-230990-9	TP-10 6-8FT	Total/NA	Solid	7471B	751621
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	7471B	751621
480-230990-11	TP-11 6-8FT	Total/NA	Solid	7471B	751621
480-230990-12	SS-5	Total/NA	Solid	7471B	751621
MB 480-751621/1-A	Method Blank	Total/NA	Solid	7471B	751621
LCSSRM 480-751621/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	751621
480-230990-3 MS	SS-2	Total/NA	Solid	7471B	751621
480-230990-3 MSD	SS-2	Total/NA	Solid	7471B	751621

Prep Batch: 751777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-4	TP-8 3-4FT	Total/NA	Solid	3050B	
480-230990-5	SS-3	Total/NA	Solid	3050B	
480-230990-6	TP-9 6-8FT	Total/NA	Solid	3050B	
480-230990-7	TP-9 12FT	Total/NA	Solid	3050B	
480-230990-8	SS-4	Total/NA	Solid	3050B	
480-230990-9	TP-10 6-8FT	Total/NA	Solid	3050B	
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	3050B	
480-230990-11	TP-11 6-8FT	Total/NA	Solid	3050B	
480-230990-12	SS-5	Total/NA	Solid	3050B	
MB 480-751777/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-751777/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 751900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-2	TP-7 2-3FT	Total/NA	Solid	6010D	751682
480-230990-3	SS-2	Total/NA	Solid	6010D	751682
MB 480-751682/1-A	Method Blank	Total/NA	Solid	6010D	751682
LCSSRM 480-751682/2-A	Lab Control Sample	Total/NA	Solid	6010D	751682
480-230990-3 MS	SS-2	Total/NA	Solid	6010D	751682
480-230990-3 MSD	SS-2	Total/NA	Solid	6010D	751682

Metals

Analysis Batch: 751914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	6010D	751680
MB 480-751680/1-A	Method Blank	Total/NA	Solid	6010D	751680
LCSSRM 480-751680/2-A	Lab Control Sample	Total/NA	Solid	6010D	751680

Analysis Batch: 751979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-2	TP-7 2-3FT	Total/NA	Solid	6010D	751682
480-230990-3	SS-2	Total/NA	Solid	6010D	751682
480-230990-4	TP-8 3-4FT	Total/NA	Solid	6010D	751777
480-230990-5	SS-3	Total/NA	Solid	6010D	751777
480-230990-6	TP-9 6-8FT	Total/NA	Solid	6010D	751777
480-230990-7	TP-9 12FT	Total/NA	Solid	6010D	751777
480-230990-8	SS-4	Total/NA	Solid	6010D	751777
480-230990-9	TP-10 6-8FT	Total/NA	Solid	6010D	751777
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	6010D	751777
480-230990-11	TP-11 6-8FT	Total/NA	Solid	6010D	751777
480-230990-12	SS-5	Total/NA	Solid	6010D	751777
MB 480-751777/1-A	Method Blank	Total/NA	Solid	6010D	751777
LCSSRM 480-751777/2-A	Lab Control Sample	Total/NA	Solid	6010D	751777
480-230990-3 MS	SS-2	Total/NA	Solid	6010D	751682
480-230990-3 MSD	SS-2	Total/NA	Solid	6010D	751682

Analysis Batch: 752020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	6010D	751680

Analysis Batch: 752041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-12	SS-5	Total/NA	Solid	6010D	751777

General Chemistry

Analysis Batch: 751540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	Moisture	
480-230990-2	TP-7 2-3FT	Total/NA	Solid	Moisture	
480-230990-3	SS-2	Total/NA	Solid	Moisture	
480-230990-4	TP-8 3-4FT	Total/NA	Solid	Moisture	
480-230990-5	SS-3	Total/NA	Solid	Moisture	
480-230990-6	TP-9 6-8FT	Total/NA	Solid	Moisture	
480-230990-7	TP-9 12FT	Total/NA	Solid	Moisture	
480-230990-8	SS-4	Total/NA	Solid	Moisture	
480-230990-9	TP-10 6-8FT	Total/NA	Solid	Moisture	
480-230990-10	TP-10 12-14.8FT	Total/NA	Solid	Moisture	
480-230990-11	TP-11 6-8FT	Total/NA	Solid	Moisture	
480-230990-12	SS-5	Total/NA	Solid	Moisture	

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SS-1
Lab Sample ID: 480-230990-1
Date Collected: 07/10/25 08:37
Matrix: Solid
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751540	AF	EET BUF	07/11/25 15:49

Client Sample ID: SS-1
Lab Sample ID: 480-230990-1
Date Collected: 07/10/25 08:37
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 98.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		5	751756	JMM	EET BUF	07/16/25 04:04
Total/NA	Prep	3546			751725	SMP	EET BUF	07/15/25 06:52
Total/NA	Analysis	8081B		10	752073	JLS	EET BUF	07/18/25 11:36
Total/NA	Prep	3546			663800	NPR	EET CLE	07/15/25 08:55
Total/NA	Analysis	8082A		1	663761	LSH	EET CLE	07/15/25 20:18
Total/NA	Prep	8151A			1049772	AXB	EET EDI	07/15/25 05:36
Total/NA	Analysis	8151A		1	1049870	SAK	EET EDI	07/15/25 17:26
Total/NA	Prep	1633 Shake			663860	CLB	EET CLE	07/15/25 11:50
Total/NA	Analysis	1633A		1	664034	MRL	EET CLE	07/16/25 22:05
Total/NA	Prep	3050B			751680	EMO	EET BUF	07/15/25 09:36
Total/NA	Analysis	6010D		5	751914	MP	EET BUF	07/16/25 12:50
Total/NA	Prep	3050B			751680	EMO	EET BUF	07/15/25 09:36
Total/NA	Analysis	6010D		5	752020	MP	EET BUF	07/17/25 12:15
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:16

Client Sample ID: TP-7 2-3FT
Lab Sample ID: 480-230990-2
Date Collected: 07/10/25 09:00
Matrix: Solid
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751540	AF	EET BUF	07/11/25 15:49

Client Sample ID: TP-7 2-3FT
Lab Sample ID: 480-230990-2
Date Collected: 07/10/25 09:00
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			751829	CDC	EET BUF	07/11/25 13:00
Total/NA	Analysis	8260C		1	751832	CDC	EET BUF	07/16/25 03:34
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		10	751872	JMM	EET BUF	07/16/25 13:02
Total/NA	Prep	3546			751725	SMP	EET BUF	07/15/25 06:52
Total/NA	Analysis	8081B		10	752073	JLS	EET BUF	07/18/25 11:56
Total/NA	Prep	3546			663800	NPR	EET CLE	07/15/25 08:55
Total/NA	Analysis	8082A		1	663761	LSH	EET CLE	07/15/25 20:32

Client Sample ID: TP-7 2-3FT
Lab Sample ID: 480-230990-2

Date Collected: 07/10/25 09:00
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	8151A			1049772	AXB	EET EDI	07/15/25 05:36
Total/NA	Analysis	8151A		1	1049870	SAK	EET EDI	07/15/25 17:45
Total/NA	Prep	1633 Shake			663860	CLB	EET CLE	07/15/25 11:50
Total/NA	Analysis	1633A		1	664034	MRL	EET CLE	07/16/25 22:21
Total/NA	Prep	3050B			751682	EMO	EET BUF	07/14/25 11:02
Total/NA	Analysis	6010D		1	751900	MP	EET BUF	07/16/25 10:12
Total/NA	Prep	3050B			751682	EMO	EET BUF	07/14/25 11:02
Total/NA	Analysis	6010D		10	751979	MP	EET BUF	07/16/25 20:06
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:18

Client Sample ID: SS-2
Lab Sample ID: 480-230990-3

Date Collected: 07/10/25 10:00
Matrix: Solid
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751540	AF	EET BUF	07/11/25 15:49

Client Sample ID: SS-2
Lab Sample ID: 480-230990-3

Date Collected: 07/10/25 10:00
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		1	751872	JMM	EET BUF	07/16/25 13:20
Total/NA	Prep	3050B			751682	EMO	EET BUF	07/14/25 11:02
Total/NA	Analysis	6010D		1	751900	MP	EET BUF	07/16/25 10:14
Total/NA	Prep	3050B			751682	EMO	EET BUF	07/14/25 11:02
Total/NA	Analysis	6010D		5	751979	MP	EET BUF	07/16/25 20:08
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:19

Client Sample ID: TP-8 3-4FT
Lab Sample ID: 480-230990-4

Date Collected: 07/10/25 10:25
Matrix: Solid
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751540	AF	EET BUF	07/11/25 15:49

Client Sample ID: TP-8 3-4FT
Lab Sample ID: 480-230990-4

Date Collected: 07/10/25 10:25
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		1	751872	JMM	EET BUF	07/16/25 13:45

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-8 3-4FT
Lab Sample ID: 480-230990-4
Date Collected: 07/10/25 10:25
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			751777	EMO	EET BUF	07/16/25 08:18
Total/NA	Analysis	6010D		1	751979	MP	EET BUF	07/16/25 19:07
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:24

Client Sample ID: SS-3
Lab Sample ID: 480-230990-5
Date Collected: 07/10/25 11:20
Matrix: Solid
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751540	AF	EET BUF	07/11/25 15:49

Client Sample ID: SS-3
Lab Sample ID: 480-230990-5
Date Collected: 07/10/25 11:20
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		1	751872	JMM	EET BUF	07/16/25 14:09
Total/NA	Prep	3050B			751777	EMO	EET BUF	07/16/25 08:18
Total/NA	Analysis	6010D		1	751979	MP	EET BUF	07/16/25 19:09
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:25

Client Sample ID: TP-9 6-8FT
Lab Sample ID: 480-230990-6
Date Collected: 07/10/25 12:00
Matrix: Solid
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751540	AF	EET BUF	07/11/25 15:49

Client Sample ID: TP-9 6-8FT
Lab Sample ID: 480-230990-6
Date Collected: 07/10/25 12:00
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		1	751872	JMM	EET BUF	07/16/25 14:34
Total/NA	Prep	3050B			751777	EMO	EET BUF	07/16/25 08:18
Total/NA	Analysis	6010D		1	751979	MP	EET BUF	07/16/25 19:18
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:29

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-9 12FT
Lab Sample ID: 480-230990-7
Date Collected: 07/10/25 12:20
Matrix: Solid
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751540	AF	EET BUF	07/11/25 15:49

Client Sample ID: TP-9 12FT
Lab Sample ID: 480-230990-7
Date Collected: 07/10/25 12:20
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		1	751872	JMM	EET BUF	07/16/25 14:58
Total/NA	Prep	3050B			751777	EMO	EET BUF	07/16/25 08:18
Total/NA	Analysis	6010D		1	751979	MP	EET BUF	07/16/25 19:20
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:31

Client Sample ID: SS-4
Lab Sample ID: 480-230990-8
Date Collected: 07/10/25 12:40
Matrix: Solid
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751540	AF	EET BUF	07/11/25 15:49

Client Sample ID: SS-4
Lab Sample ID: 480-230990-8
Date Collected: 07/10/25 12:40
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		1	751872	JMM	EET BUF	07/16/25 15:22
Total/NA	Prep	3546			751725	SMP	EET BUF	07/15/25 06:52
Total/NA	Analysis	8081B		1	752073	JLS	EET BUF	07/18/25 12:15
Total/NA	Prep	3546			663800	NPR	EET CLE	07/15/25 08:55
Total/NA	Analysis	8082A		1	663761	LSH	EET CLE	07/15/25 20:46
Total/NA	Prep	8151A			1049772	AXB	EET EDI	07/15/25 05:36
Total/NA	Analysis	8151A		1	1049870	SAK	EET EDI	07/15/25 18:04
Total/NA	Prep	1633 Shake			663860	CLB	EET CLE	07/15/25 11:50
Total/NA	Analysis	1633A		1	664034	MRL	EET CLE	07/16/25 22:38
Total/NA	Prep	3050B			751777	EMO	EET BUF	07/16/25 08:18
Total/NA	Analysis	6010D		1	751979	MP	EET BUF	07/16/25 19:22
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:32

Client Sample ID: TP-10 6-8FT
Lab Sample ID: 480-230990-9

Date Collected: 07/10/25 13:20
Matrix: Solid
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751540	AF	EET BUF	07/11/25 15:49

Client Sample ID: TP-10 6-8FT
Lab Sample ID: 480-230990-9

Date Collected: 07/10/25 13:20
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			752009	ATG	EET BUF	07/17/25 10:41
Total/NA	Analysis	8260C		1	751995	ATG	EET BUF	07/17/25 15:08
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		1	752098	JMM	EET BUF	07/18/25 14:13
Total/NA	Prep	3546			751725	SMP	EET BUF	07/15/25 06:52
Total/NA	Analysis	8081B		20	752073	JLS	EET BUF	07/18/25 12:35
Total/NA	Prep	3546			663800	NPR	EET CLE	07/15/25 08:55
Total/NA	Analysis	8082A		1	663761	LSH	EET CLE	07/15/25 21:00
Total/NA	Prep	8151A			1049772	AXB	EET EDI	07/15/25 05:36
Total/NA	Analysis	8151A		1	1049870	SAK	EET EDI	07/15/25 18:23
Total/NA	Prep	1633 Shake			664043	CLB	EET CLE	07/16/25 12:09
Total/NA	Analysis	1633A		1	664191	LD	EET CLE	07/17/25 14:42
Total/NA	Prep	3050B			751777	EMO	EET BUF	07/16/25 08:18
Total/NA	Analysis	6010D		1	751979	MP	EET BUF	07/16/25 19:24
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:33

Client Sample ID: TP-10 12-14.8FT
Lab Sample ID: 480-230990-10

Date Collected: 07/10/25 13:50
Matrix: Solid
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751540	AF	EET BUF	07/11/25 15:49

Client Sample ID: TP-10 12-14.8FT
Lab Sample ID: 480-230990-10

Date Collected: 07/10/25 13:50
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			751943	CDC	EET BUF	07/11/25 13:00
Total/NA	Analysis	8260C		1	751946	CDC	EET BUF	07/16/25 23:01
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		1	752098	JMM	EET BUF	07/18/25 14:38
Total/NA	Prep	3546			751725	SMP	EET BUF	07/15/25 06:52
Total/NA	Analysis	8081B		1	752073	JLS	EET BUF	07/18/25 12:54
Total/NA	Prep	3546			663800	NPR	EET CLE	07/15/25 08:55
Total/NA	Analysis	8082A		1	663761	LSH	EET CLE	07/15/25 21:14

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-10 12-14.8FT
Lab Sample ID: 480-230990-10
Date Collected: 07/10/25 13:50
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	8151A			1049772	AXB	EET EDI	07/15/25 05:36
Total/NA	Analysis	8151A		1	1049870	SAK	EET EDI	07/15/25 18:42
Total/NA	Prep	1633 Shake			664043	CLB	EET CLE	07/16/25 12:09
Total/NA	Analysis	1633A		1	664191	LD	EET CLE	07/17/25 14:58
Total/NA	Prep	3050B			751777	EMO	EET BUF	07/16/25 08:18
Total/NA	Analysis	6010D		1	751979	MP	EET BUF	07/16/25 19:26
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:34

Client Sample ID: TP-11 6-8FT
Lab Sample ID: 480-230990-11
Date Collected: 07/10/25 14:10
Matrix: Solid
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751540	AF	EET BUF	07/11/25 15:49

Client Sample ID: TP-11 6-8FT
Lab Sample ID: 480-230990-11
Date Collected: 07/10/25 14:10
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		1	752098	JMM	EET BUF	07/18/25 15:03
Total/NA	Prep	3050B			751777	EMO	EET BUF	07/16/25 08:18
Total/NA	Analysis	6010D		1	751979	MP	EET BUF	07/16/25 19:28
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:36

Client Sample ID: SS-5
Lab Sample ID: 480-230990-12
Date Collected: 07/10/25 14:05
Matrix: Solid
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751540	AF	EET BUF	07/11/25 15:49

Client Sample ID: SS-5
Lab Sample ID: 480-230990-12
Date Collected: 07/10/25 14:05
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			751553	JMP	EET BUF	07/12/25 07:49
Total/NA	Analysis	8270D		10	752098	JMM	EET BUF	07/18/25 15:27
Total/NA	Prep	3050B			751777	EMO	EET BUF	07/16/25 08:18
Total/NA	Analysis	6010D		1	751979	MP	EET BUF	07/16/25 19:30
Total/NA	Prep	3050B			751777	EMO	EET BUF	07/16/25 08:18
Total/NA	Analysis	6010D		5	752041	BMB	EET BUF	07/17/25 14:32

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SS-5
Lab Sample ID: 480-230990-12
Date Collected: 07/10/25 14:05
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			751621	ESB	EET BUF	07/14/25 10:43
Total/NA	Analysis	7471B		1	751708	ESB	EET BUF	07/14/25 13:37

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-26
Iowa	State	421	06-01-27
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	06-30-26
New York	NELAP	10975	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-15-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0818	09-30-26
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-03-26
Illinois	NELAP	2000942025-2	04-30-26
Massachusetts	State	M-NJ312	06-30-26
New Jersey	NELAP	12028	06-30-26
New York	NELAP	11452	03-31-26
Pennsylvania	NELAP	68-00522	02-28-26
Rhode Island	State	LAO00376	12-23-25
USDA	US Federal Programs	525-24-149-77606	05-21-27

Method Summary

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8081B	Organochlorine Pesticides (GC)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CLE
8151A	Herbicides (GC)	SW846	EET EDI
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	EET CLE
6010D	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
1633 Shake	Shake Extraction with SPE	EPA	EET CLE
3050B	Preparation, Metals	SW846	EET BUF
3546	Microwave Extraction	SW846	EET BUF
3546	Microwave Extraction	SW846	EET CLE
5035A_H	Closed System Purge and Trap	SW846	EET BUF
5035A_L	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF
8151A	Extraction (Herbicides)	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-230990-1	SS-1	Solid	07/10/25 08:37	07/10/25 16:20
480-230990-2	TP-7 2-3FT	Solid	07/10/25 09:00	07/10/25 16:20
480-230990-3	SS-2	Solid	07/10/25 10:00	07/10/25 16:20
480-230990-4	TP-8 3-4FT	Solid	07/10/25 10:25	07/10/25 16:20
480-230990-5	SS-3	Solid	07/10/25 11:20	07/10/25 16:20
480-230990-6	TP-9 6-8FT	Solid	07/10/25 12:00	07/10/25 16:20
480-230990-7	TP-9 12FT	Solid	07/10/25 12:20	07/10/25 16:20
480-230990-8	SS-4	Solid	07/10/25 12:40	07/10/25 16:20
480-230990-9	TP-10 6-8FT	Solid	07/10/25 13:20	07/10/25 16:20
480-230990-10	TP-10 12-14.8FT	Solid	07/10/25 13:50	07/10/25 16:20
480-230990-11	TP-11 6-8FT	Solid	07/10/25 14:10	07/10/25 16:20
480-230990-12	SS-5	Solid	07/10/25 14:05	07/10/25 16:20

Quantitation Limit Exceptions Summary

Client: LaBella Associates DPC
Job ID: 480-230990-1
Project/Site: 9 Lakeview Avenue Site,

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8151A	2,4,5-T	Solid	Total/NA	ug/Kg	33	33.3
8151A	2,4-D	Solid	Total/NA	ug/Kg	33	33.3
8151A	Dichlorprop	Solid	Total/NA	ug/Kg	33	33.3
8151A	Silvex (2,4,5-TP)	Solid	Total/NA	ug/Kg	33	33.3

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: S Campana	Lab PM: Beninati, John	Carrier Tracking No(s): Rochester	COC No: 480-206465-41912.5
Client Contact: Adam Zebrowski	Phone: 716-361-9231	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: #484	Page: Page 5 of 5
Company: LaBella Associates DPC	PWSID:	Analysis Requested		Job #:
Address: 300 Pearl Street Suite 130	Due Date Requested:			Preservation Codes: N - None
City: Buffalo	TAT Requested (days):			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone:	PO #: TBD 2253075			
Email: azebrowski@labellapc.com	WO #:			
Project Name: 9 Lakeview Ave. Site - Soil	Project #: 48028950			Other:
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - VOCs - TCL + CP-51 Lists + TICs	6010D, 7471B, 8270D	8082A - TCL PCBs	1633A - 1633 Standard List 40	8081B, 8151A	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	N	N	N	X	
SS-1	7/10/25	08:37	Grab	Solid				X	X	X	X		Surface Soil
TP-7 2-3 ft.	7/10/25	09:00	Grab	Solid			X	X	X	X	X		Subsurface Soil
SS-2	7/10/25	10:00	Grab	Solid				X					
TP-8 3-4 ft	7/10/25	10:25	Grab	Solid				X					
SS-3	7/10/25	11:20	Grab	Solid				X					
TP-9 6-8 ft.	7/10/25	12:00	Grab	Solid				X					
TP-9 12 ft.	7/10/25	12:20	Grab	Solid				X					
SS-4	7/10/25	12:40	Grab	Solid				X	X	X	X		
TP-10 6-8 ft.	7/10/25	1:20	Grab	Solid			X	X	X	X	X		
TP-10 12-14.8 ft	7/10/25	1:50	Grab	Solid			X	X	X	X	X		
TP-11 6-8 ft	7/10/25	2:10	Grab	Solid				X					

480-230990 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	7/10/25 13:54		Armand Moskalik	3:56 PM 7/10/25	Labella
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				[signature]	7-10-25 16:20	TAP
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.7 5.2 ICE

Ver: 10/10/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: S. Campan	Lab PM: Beninati, John	Carrier Tracking No(s): Rochester	COC No: 480-206465-41912.1
Client Contact: Adam Zebrowski	Phone: 716-361-923	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: #484	Page: Page 1 of 5
Company: LaBella Associates DPC	PWSID:			Job #:
Address: 300 Pearl Street Suite 130	Due Date Requested:			
City: Buffalo	TAT Requested (days):			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone:	PO #: TBD 225375			
Email: azebrowski@labellapc.com	WO #:			
Project Name: 9 Lakeview Ave. Site - Soil	Project #: 48028950			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - VOCs - TCL + CP-51 Lists + TICs	6010D, 7471B, 8270D	8082A - TCL PCBs	1633A - 1633 Standard List 40	8081B, 8151A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N		
SB-9	7/10/25	2:05	~~Grab~~	Solid									
SS-5	7/10/25	2:05	grab	Solid				X					
				Solid									
				Solid									
				Solid									
				Solid									
				Solid									
				Solid									
				Solid									
				Solid									
				Solid									
				Solid									

Preservation Codes: N - None
Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		7/10/25 15:54	LaBella		~~07/23/20~~	
2				Armand Maskaml	07/10/25	LaBella
3					7-10-25	1620

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-93863.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - New York		Job #: 480-230990-1
Address: 180 S. Van Buren Avenue, ,	Due Date Requested: 7/23/2025			Preservation Codes: -
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 9 Lakeview Avenue Site,	Project #: 48028950			Other: N/A
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A/3546_PCB_1YRTCL PCBs	1633A/1633_Shake1633 Standard List 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:							PFAS 2086-044
SS-1 (480-230990-1)	7/10/25	08:37 Eastern	G	Solid			X	X	1	
TP-7 2-3FT (480-230990-2)	7/10/25	09:00 Eastern	G	Solid			X	X	1	
SS-3 (480-230990-5)	7/10/25	11:20 Eastern	G	Solid			X	X	1	
SS-4 (480-230990-8)	7/10/25	12:40 Eastern	G	Solid			X	X	1	
TP-10 6-8FT (480-230990-9)	7/10/25	13:20 Eastern	G	Solid			X	X	1	
TP-10 12-14.8FT (480-230990-10)	7/10/25	13:50 Eastern	G	Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
KS	7-11-25 1600		ICMartin	7/14/25 1000	EUK
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # _____
Barberton Facility

Client Eur Buffalo Site Name _____ Cooler unpacked by KMartin

Cooler Received on 7/14/25 Opened on 7/14/25

FedEx. 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam Plastic Bag None Other _____

COOLANT Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt [X] See Multiple Cooler Form

IR GUN # 13 (CF +0.5 °C) Observed Cooler Temp _____ °C Corrected Cooler Temp _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	No
4 Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 Did all bottles arrive in good condition (Unbroken)?	Yes	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12 Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC463162
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by

Labels Verified by

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

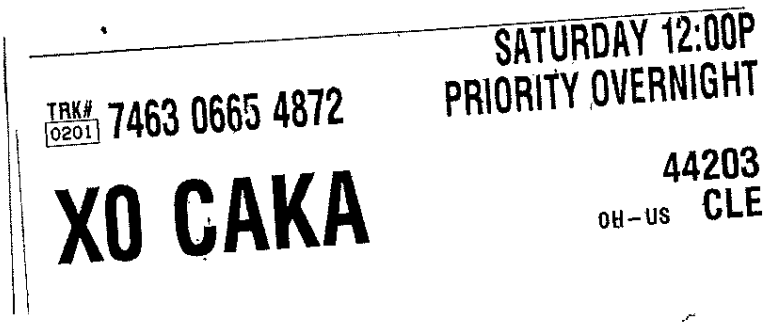
Time preserved. _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation Date/Time VOAs Frozen _____

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(EC) Client Box Other	IR GUN #: 13	16.4	16.9	Wet Ice Blue Ice Dry Ice (Water) None
(EC) Client Box Other	IR GUN #: 1	18.2	18.7	Wet Ice Blue Ice Dry Ice (Water) None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water


SATURDAY 12:00P
PRIORITY OVERNIGHT
TRK# 0201 7463 0665 4872
XO CAKA
44203
OH-US CLE

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-93863.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - New York		Job #: 480-230990-1
Address: 180 S. Van Buren Avenue, ,	Due Date Requested: 7/23/2025			Preservation Codes: -
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 9 Lakeview Avenue Site,	Project #: 48028950			Other: N/A
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A/3546_PCB_1YRTCL PCBs	1633A/1633_Shake1633 Standard List 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:							PFAS 2086-044
SS-1 (480-230990-1)	7/10/25	08:37 Eastern	G	Solid			X	X	1	
TP-7 2-3FT (480-230990-2)	7/10/25	09:00 Eastern	G	Solid			X	X	1	
SS-3 (480-230990-5)	7/10/25	11:20 Eastern	G	Solid			X	X	1	
SS-4 (480-230990-8)	7/10/25	12:40 Eastern	G	Solid			X	X	1	
TP-10 6-8FT (480-230990-9)	7/10/25	13:20 Eastern	G	Solid			X	X	1	
TP-10 12-14.8FT (480-230990-10)	7/10/25	13:50 Eastern	G	Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
KS	7-11-25 1600		ICMartin	7/14/25 1000	EUK
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # _____
Barberton Facility

Client Eur Buffalo Site Name _____ Cooler unpacked by KMartin

Cooler Received on 7/14/25 Opened on 7/14/25

FedEx. 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam Plastic Bag None Other _____

COOLANT Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt [X] See Multiple Cooler Form

IR GUN # 13 (CF +0.5 °C) Observed Cooler Temp _____ °C Corrected Cooler Temp _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	No
4 Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 Did all bottles arrive in good condition (Unbroken)?	Yes	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12 Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC463162
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by

Labels Verified by

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved. _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation Date/Time VOAs Frozen _____

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(EC) Client Box Other	IR GUN #: 13	16.4	16.9	Wet Ice Blue Ice Dry Ice (Water) None
(EC) Client Box Other	IR GUN #: 1	18.2	18.7	Wet Ice Blue Ice Dry Ice (Water) None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 0201 7463 0665 4872

XO CAKA

44203
OH-US CLE

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-230990-1

Login Number: 230990

List Source: Eurofins Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	REFER TO NCM
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	TCORES PUT IN FREEZER 7/11 @ 1300
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	LABELLA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-230990-1

Login Number: 230990
List Number: 2
Creator: Armbruster, Chris

List Source: Eurofins Edison
List Creation: 07/14/25 10:55 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2787907, 2787906
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.7/0.4, 0.5/0.2°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Adam Zebrowski
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 7/23/2025 11:35:47 AM

JOB DESCRIPTION

9 Lakeview Avenue Site,

JOB NUMBER

480-231050-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
7/23/2025 11:35:47 AM

Authorized for release by
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Designee for
John Beninati, Project Manager I
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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-231050-1
Project/Site: 9 Lakeview Avenue Site,

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Metals

Qualifier	Qualifier Description
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-231050-1

Receipt
The samples were received on 7/14/2025 3:27 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 7.2º C.

GC/MS VOA
Method 8260C: The following sample was analyzed using medium level soil analysis due to the nature of the sample matrix: Exp-3 11ft (480-231050-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 751892 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:Exp-3 8ft (480-231050-1) and Exp-3 11ft (480-231050-2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 751892 recovered outside acceptance criteria, low biased, for Chlorodibromomethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The associated samples are:Exp-3 8ft (480-231050-1) and Exp-3 11ft (480-231050-2).

Method 8260C: The following sample was analyzed using medium level soil analysis and diluted due to the nature of the sample matrix: Exp-3 8ft (480-231050-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010D: The linear range check (LRC) standard recovery associated with 480-752142 is outside the acceptance criteria for the following analytes: Silver and Zinc. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231050-1

Client Sample ID: Exp-3 8ft — Lab Sample ID: 480-231050-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	52	J	190	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	53	J	190	27	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	54	J	190	33	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	75	J	190	26	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	44	J	190	34	ug/Kg	1	☼	8270D	Total/NA
Chrysene	66	J	190	47	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	44	J	190	43	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	120	J	190	35	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	39	J	190	29	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	46	J	190	32	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	82	J	190	36	ug/Kg	1	☼	8270D	Total/NA
Pyrene	88	J	190	37	ug/Kg	1	☼	8270D	Total/NA
Aluminum	7410		11.4	9.8	mg/Kg	1	☼	6010D	Total/NA
Arsenic	3.0		2.3	1.0	mg/Kg	1	☼	6010D	Total/NA
Barium	51.0		0.57	0.16	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.37		0.23	0.046	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.26		0.23	0.080	mg/Kg	1	☼	6010D	Total/NA
Calcium	50300		57.1	30.8	mg/Kg	1	☼	6010D	Total/NA
Chromium	12.9		0.57	0.41	mg/Kg	1	☼	6010D	Total/NA
Cobalt	4.7		0.57	0.11	mg/Kg	1	☼	6010D	Total/NA
Copper	13.9		1.1	0.65	mg/Kg	1	☼	6010D	Total/NA
Iron	12100		11.4	9.7	mg/Kg	1	☼	6010D	Total/NA
Lead	29.6		1.1	0.53	mg/Kg	1	☼	6010D	Total/NA
Magnesium	18000		22.8	9.7	mg/Kg	1	☼	6010D	Total/NA
Manganese	338		1.1	0.32	mg/Kg	1	☼	6010D	Total/NA
Nickel	12.7		5.7	0.29	mg/Kg	1	☼	6010D	Total/NA
Potassium	2020		34.3	27.7	mg/Kg	1	☼	6010D	Total/NA
Selenium	0.93	J	4.6	0.91	mg/Kg	1	☼	6010D	Total/NA
Sodium	187		160	70.0	mg/Kg	1	☼	6010D	Total/NA
Vanadium	19.1		0.57	0.15	mg/Kg	1	☼	6010D	Total/NA
Zinc	63.7	^5-	2.3	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.016	J	0.024	0.0055	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: Exp-3 11ft — Lab Sample ID: 480-231050-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	16	J	45	12	ug/Kg	1	☼	8260C	Total/NA
n-Butylbenzene	13	J	45	13	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	30	J	45	6.0	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	31	J	190	31	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	33	J	190	26	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	52	J	190	35	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	77	J	190	36	ug/Kg	1	☼	8270D	Total/NA
Pyrene	37	J	190	37	ug/Kg	1	☼	8270D	Total/NA
Aluminum	20000		12.0	10.3	mg/Kg	1	☼	6010D	Total/NA
Arsenic	4.0		2.4	1.1	mg/Kg	1	☼	6010D	Total/NA
Barium	102		0.60	0.17	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.73		0.24	0.048	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.11	J	0.24	0.084	mg/Kg	1	☼	6010D	Total/NA
Calcium	9110		59.8	32.3	mg/Kg	1	☼	6010D	Total/NA
Chromium	24.8		0.60	0.43	mg/Kg	1	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: Exp-3 11ft (Continued)

Lab Sample ID: 480-231050-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	8.6		0.60	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	19.1		1.2	0.68	mg/Kg	1	☼	6010D	Total/NA
Iron	25600		12.0	10.1	mg/Kg	1	☼	6010D	Total/NA
Lead	22.3		1.2	0.55	mg/Kg	1	☼	6010D	Total/NA
Magnesium	7460		23.9	10.1	mg/Kg	1	☼	6010D	Total/NA
Manganese	472		1.2	0.33	mg/Kg	1	☼	6010D	Total/NA
Nickel	22.6		6.0	0.30	mg/Kg	1	☼	6010D	Total/NA
Potassium	4910		35.9	29.0	mg/Kg	1	☼	6010D	Total/NA
Sodium	128	J	167	73.3	mg/Kg	1	☼	6010D	Total/NA
Vanadium	39.1		0.60	0.16	mg/Kg	1	☼	6010D	Total/NA
Zinc	79.9	^5-	2.4	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.030		0.023	0.0054	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231050-1

Client Sample ID: Exp-3 8ft
Date Collected: 07/14/25 13:01
Date Received: 07/14/25 15:27

Lab Sample ID: 480-231050-1
Matrix: Solid
Percent Solids: 86.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		89	25	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
1,1,2,2-Tetrachloroethane	ND		89	14	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		89	44	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
1,1,2-Trichloroethane	ND		89	19	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
1,1-Dichloroethane	ND		89	27	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
1,1-Dichloroethene	ND		89	31	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
1,2,4-Trichlorobenzene	ND		89	34	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
1,2,4-Trimethylbenzene	ND		89	25	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
1,2-Dibromo-3-Chloropropane	ND		89	44	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
1,2-Dichlorobenzene	ND		89	23	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
1,2-Dichloroethane	ND		89	36	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
1,2-Dichloropropane	ND		89	14	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
1,3,5-Trimethylbenzene	ND		89	27	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
1,3-Dichlorobenzene	ND		89	24	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
1,4-Dichlorobenzene	ND		89	12	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
2-Butanone (MEK)	ND		440	260	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
2-Hexanone	ND		440	180	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
4-Isopropyltoluene	ND		89	30	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
4-Methyl-2-pentanone (MIBK)	ND		440	28	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Acetone	ND		440	360	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Benzene	ND		89	17	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Bromoform	ND		89	44	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Bromomethane	ND		89	19	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Carbon disulfide	ND		89	40	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Carbon tetrachloride	ND		89	23	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Chlorobenzene	ND		89	12	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Dibromochloromethane	ND		89	43	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Chloroethane	ND		89	18	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Chloroform	ND		89	61	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Chloromethane	ND		89	21	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
cis-1,2-Dichloroethene	ND		89	24	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Cyclohexane	ND		89	20	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Bromodichloromethane	ND		89	18	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Dichlorodifluoromethane	ND		89	39	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Ethylbenzene	ND		89	26	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
1,2-Dibromoethane	ND		89	16	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Isopropylbenzene	ND		89	13	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Methyl acetate	ND		440	42	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Methyl tert-butyl ether	ND		89	33	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Methylcyclohexane	ND		89	41	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Methylene Chloride	ND		89	18	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
m,p-Xylene	ND		180	49	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Naphthalene	ND		89	30	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
n-Butylbenzene	ND		89	26	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
N-Propylbenzene	ND		89	23	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
o-Xylene	ND		89	12	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
sec-Butylbenzene	ND		89	33	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Tetrachloroethene	ND		89	12	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Toluene	ND		89	24	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2

Client Sample ID: Exp-3 8ft
Date Collected: 07/14/25 13:01
Date Received: 07/14/25 15:27

Lab Sample ID: 480-231050-1
Matrix: Solid
Percent Solids: 86.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		89	21	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
trans-1,3-Dichloropropene	ND		89	8.7	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Trichloroethene	ND		89	25	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Trichlorofluoromethane	ND		89	42	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Vinyl chloride	ND		89	30	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Xylenes, Total	ND		180	49	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
cis-1,3-Dichloropropene	ND		89	21	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
Styrene	ND		89	21	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2
tert-Butylbenzene	ND		89	25	ug/Kg	☼	07/16/25 10:48	07/16/25 14:42	2

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*8.11*	*N/A*	*07/16/25 10:48*	*07/16/25 14:42*	*2*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*8.36*	*N/A*	*07/16/25 10:48*	*07/16/25 14:42*	*2*
Unknown	*2400*	*T J*	*ug/Kg*	☼	*8.52*	*N/A*	*07/16/25 10:48*	*07/16/25 14:42*	*2*
Unknown	*860*	*T J*	*ug/Kg*	☼	*8.93*	*N/A*	*07/16/25 10:48*	*07/16/25 14:42*	*2*
column bleed	*1500*	*T J*	*ug/Kg*	☼	*9.07*	*N/A*	*07/16/25 10:48*	*07/16/25 14:42*	*2*
Unknown	*1900*	*T J*	*ug/Kg*	☼	*9.62*	*N/A*	*07/16/25 10:48*	*07/16/25 14:42*	*2*
Unknown	*2000*	*T J*	*ug/Kg*	☼	*9.83*	*N/A*	*07/16/25 10:48*	*07/16/25 14:42*	*2*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*10.52*	*N/A*	*07/16/25 10:48*	*07/16/25 14:42*	*2*
Cyclohexanone, 5-methyl-2-(1-methylethylidene)-	*1500*	*T J N*	*ug/Kg*	☼	*10.94*	*15932-80-6*	*07/16/25 10:48*	*07/16/25 14:42*	*2*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*11.62*	*N/A*	*07/16/25 10:48*	*07/16/25 14:42*	*2*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*	*07/16/25 10:48*	*07/16/25 14:42*	*2*
4-Bromofluorobenzene (Surr)	*89*		*49 - 148*	*07/16/25 10:48*	*07/16/25 14:42*	*2*
Toluene-d8 (Surr)	*101*		*50 - 149*	*07/16/25 10:48*	*07/16/25 14:42*	*2*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*07/16/25 10:48*	*07/16/25 14:42*	*2*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		110	43	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
2,4,5-Trichlorophenol	ND		190	39	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
2,4,6-Trichlorophenol	ND		190	29	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
2,4-Dichlorophenol	ND		190	38	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
2,4-Dimethylphenol	ND		190	41	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
2,4-Dinitrophenol	ND		1900	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
2,4-Dinitrotoluene	ND		190	26	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
2,6-Dinitrotoluene	ND		190	28	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
2-Chloronaphthalene	ND		190	36	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
2-Chlorophenol	ND		190	30	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
2-Methylnaphthalene	**52**	**J**	190	30	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
2-Methylphenol	ND		190	31	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
2-Nitroaniline	ND		380	33	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
2-Nitrophenol	ND		190	22	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
3,3'-Dichlorobenzidine	ND		380	57	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
3-Nitroaniline	ND		380	27	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
4,6-Dinitro-2-methylphenol	ND		380	43	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
4-Bromophenyl phenyl ether	ND		190	33	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
4-Chloro-3-methylphenol	ND		190	40	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1

Client Sample ID: Exp-3 8ft
Date Collected: 07/14/25 13:01
Date Received: 07/14/25 15:27

Lab Sample ID: 480-231050-1
Matrix: Solid
Percent Solids: 86.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		190	28	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
4-Chlorophenyl phenyl ether	ND		190	41	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
4-Methylphenol	ND		380	35	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
4-Nitroaniline	ND		380	28	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
4-Nitrophenol	ND		380	53	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Acenaphthene	ND		190	36	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Acenaphthylene	ND		190	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Acetophenone	ND		190	34	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Anthracene	ND		190	36	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Atrazine	ND		190	66	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Benzaldehyde	ND		190	150	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Benzo[a]anthracene	**53**	**J**	190	27	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Benzo[a]pyrene	**54**	**J**	190	33	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Benzo[b]fluoranthene	**75**	**J**	190	26	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Benzo[g,h,i]perylene	**44**	**J**	190	34	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Benzo[k]fluoranthene	ND		190	43	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Biphenyl	ND		190	36	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
bis (2-chloroisopropyl) ether	ND		190	40	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Bis(2-chloroethoxy)methane	ND		190	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Bis(2-chloroethyl)ether	ND		190	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Bis(2-ethylhexyl) phthalate	ND		190	42	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Butyl benzyl phthalate	ND		190	36	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Caprolactam	ND		190	45	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Carbazole	ND		190	38	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Chrysene	**66**	**J**	190	47	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Dibenz(a,h)anthracene	ND		190	39	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Dibenzofuran	ND		190	34	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Diethyl phthalate	ND		190	35	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Dimethyl phthalate	ND		190	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Di-n-butyl phthalate	**44**	**J**	190	43	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Di-n-octyl phthalate	ND		190	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Fluoranthene	**120**	**J**	190	35	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Fluorene	ND		190	36	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Hexachlorobenzene	ND		190	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Hexachlorobutadiene	ND		190	29	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Hexachlorocyclopentadiene	ND		380	85	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Hexachloroethane	ND		190	35	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Indeno[1,2,3-cd]pyrene	**39**	**J**	190	29	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Isophorone	ND		190	40	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Naphthalene	**46**	**J**	190	32	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Nitrobenzene	ND		190	33	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
N-Nitrosodi-n-propylamine	ND		190	43	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
N-Nitrosodiphenylamine	ND		190	32	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Pentachlorophenol	ND		380	62	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Phenanthrene	**82**	**J**	190	36	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Phenol	ND		190	35	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1
Pyrene	**88**	**J**	190	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2000*	*T J*	*ug/Kg*	☼	*3.13*	*N/A*	*07/15/25 13:36*	*07/17/25 13:25*	*1*

Client Sample ID: Exp-3 8ft
Date Collected: 07/14/25 13:01
Date Received: 07/14/25 15:27

Lab Sample ID: 480-231050-1
Matrix: Solid
Percent Solids: 86.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	460	T J	ug/Kg	☼	3.86	N/A	07/15/25 13:36	07/17/25 13:25	1
Unknown	510	T J	ug/Kg	☼	4.07	N/A	07/15/25 13:36	07/17/25 13:25	1
Unknown	940	T J	ug/Kg	☼	4.18	N/A	07/15/25 13:36	07/17/25 13:25	1
2-Heptadecenal	850	T J N	ug/Kg	☼	4.45	1000143-48-6	07/15/25 13:36	07/17/25 13:25	1
Unknown	710	T J	ug/Kg	☼	4.51	N/A	07/15/25 13:36	07/17/25 13:25	1
Heptane, 3-ethyl-2-methyl-	1700	T J N	ug/Kg	☼	4.58	14676-29-0	07/15/25 13:36	07/17/25 13:25	1
Unknown	1000	T J	ug/Kg	☼	4.85	N/A	07/15/25 13:36	07/17/25 13:25	1
Unknown	940	T J	ug/Kg	☼	5.02	N/A	07/15/25 13:36	07/17/25 13:25	1
Unknown	1100	T J	ug/Kg	☼	5.16	N/A	07/15/25 13:36	07/17/25 13:25	1
Unknown	490	T J	ug/Kg	☼	5.28	N/A	07/15/25 13:36	07/17/25 13:25	1
Unknown	470	T J	ug/Kg	☼	5.41	N/A	07/15/25 13:36	07/17/25 13:25	1
Unknown	540	T J	ug/Kg	☼	5.58	N/A	07/15/25 13:36	07/17/25 13:25	1
Unknown	460	T J	ug/Kg	☼	5.79	N/A	07/15/25 13:36	07/17/25 13:25	1
Unknown	550	T J	ug/Kg	☼	6.11	N/A	07/15/25 13:36	07/17/25 13:25	1
Unknown	450	T J	ug/Kg	☼	6.39	N/A	07/15/25 13:36	07/17/25 13:25	1
trans-Decalin, 2-methyl-	510	T J N	ug/Kg	☼	6.44	1000152-47-3	07/15/25 13:36	07/17/25 13:25	1
Naphthalene, decahydro-2-methyl-	480	T J N	ug/Kg	☼	6.58	2958-76-1	07/15/25 13:36	07/17/25 13:25	1
Unknown	530	T J	ug/Kg	☼	7.16	N/A	07/15/25 13:36	07/17/25 13:25	1
Cyclohexane, 2-butyl-1,1,3-trimethyl-	570	T J N	ug/Kg	☼	7.29	54676-39-0	07/15/25 13:36	07/17/25 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	111		10 - 140	07/15/25 13:36	07/17/25 13:25	1
2-Fluorobiphenyl	91		29 - 120	07/15/25 13:36	07/17/25 13:25	1
2-Fluorophenol	93		18 - 120	07/15/25 13:36	07/17/25 13:25	1
Nitrobenzene-d5	91		22 - 120	07/15/25 13:36	07/17/25 13:25	1
Phenol-d5	98		23 - 120	07/15/25 13:36	07/17/25 13:25	1
p-Terphenyl-d14	92		28 - 124	07/15/25 13:36	07/17/25 13:25	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7410**		11.4	9.8	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Antimony	ND		17.1	0.61	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Arsenic	**3.0**		2.3	1.0	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Barium	**51.0**		0.57	0.16	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Beryllium	**0.37**		0.23	0.046	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Cadmium	**0.26**		0.23	0.080	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Calcium	**50300**		57.1	30.8	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Chromium	**12.9**		0.57	0.41	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Cobalt	**4.7**		0.57	0.11	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Copper	**13.9**		1.1	0.65	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Iron	**12100**		11.4	9.7	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Lead	**29.6**		1.1	0.53	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Magnesium	**18000**		22.8	9.7	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Manganese	**338**		1.1	0.32	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Nickel	**12.7**		5.7	0.29	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Potassium	**2020**		34.3	27.7	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Selenium	**0.93**	**J**	4.6	0.91	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Silver	ND	^5-	0.69	0.23	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1

Client: LaBella Associates DPC
Job ID: 480-231050-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: Exp-3 8ft
Lab Sample ID: 480-231050-1
Date Collected: 07/14/25 13:01
Matrix: Solid
Date Received: 07/14/25 15:27
Percent Solids: 86.4

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	187		160	70.0	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Thallium	ND		6.9	0.87	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Vanadium	19.1		0.57	0.15	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1
Zinc	63.7	^5-	2.3	1.2	mg/Kg	☼	07/17/25 08:43	07/18/25 13:07	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.024	0.0055	mg/Kg	☼	07/16/25 09:06	07/16/25 11:26	1

Client Sample ID: Exp-3 11ft
Date Collected: 07/14/25 13:30
Date Received: 07/14/25 15:27

Lab Sample ID: 480-231050-2
Matrix: Solid
Percent Solids: 86.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		45	12	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
1,1,2,2-Tetrachloroethane	ND		45	7.2	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		45	22	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
1,1,2-Trichloroethane	ND		45	9.4	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
1,1-Dichloroethane	ND		45	14	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
1,1-Dichloroethene	ND		45	15	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
1,2,4-Trichlorobenzene	ND		45	17	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
1,2,4-Trimethylbenzene	**16**	**J**	45	12	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
1,2-Dibromo-3-Chloropropane	ND		45	22	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
1,2-Dichlorobenzene	ND		45	11	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
1,2-Dichloroethane	ND		45	18	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
1,2-Dichloropropane	ND		45	7.2	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
1,3,5-Trimethylbenzene	ND		45	13	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
1,3-Dichlorobenzene	ND		45	12	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
1,4-Dichlorobenzene	ND		45	6.2	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
2-Butanone (MEK)	ND		220	130	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
2-Hexanone	ND		220	91	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
4-Isopropyltoluene	ND		45	15	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
4-Methyl-2-pentanone (MIBK)	ND		220	14	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Acetone	ND		220	180	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Benzene	ND		45	8.5	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Bromoform	ND		45	22	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Bromomethane	ND		45	9.8	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Carbon disulfide	ND		45	20	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Carbon tetrachloride	ND		45	11	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Chlorobenzene	ND		45	5.9	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Dibromochloromethane	ND		45	22	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Chloroethane	ND		45	9.3	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Chloroform	ND		45	31	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Chloromethane	ND		45	11	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
cis-1,2-Dichloroethene	ND		45	12	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Cyclohexane	ND		45	9.9	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Bromodichloromethane	ND		45	8.9	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Dichlorodifluoromethane	ND		45	19	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Ethylbenzene	ND		45	13	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
1,2-Dibromoethane	ND		45	7.8	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Isopropylbenzene	ND		45	6.7	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Methyl acetate	ND		220	21	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Methyl tert-butyl ether	ND		45	17	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Methylcyclohexane	ND		45	21	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Methylene Chloride	ND		45	8.8	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
m,p-Xylene	ND		89	25	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Naphthalene	ND		45	15	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
n-Butylbenzene	**13**	**J**	45	13	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
N-Propylbenzene	ND		45	12	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
o-Xylene	ND		45	5.8	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
sec-Butylbenzene	ND		45	16	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Tetrachloroethene	**30**	**J**	45	6.0	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Toluene	ND		45	12	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1

Client Sample ID: Exp-3 11ft

Date Collected: 07/14/25 13:30
Date Received: 07/14/25 15:27

Lab Sample ID: 480-231050-2

Matrix: Solid
Percent Solids: 86.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		45	11	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
trans-1,3-Dichloropropene	ND		45	4.4	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Trichloroethene	ND		45	12	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Trichlorofluoromethane	ND		45	21	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Vinyl chloride	ND		45	15	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Xylenes, Total	ND		89	25	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
cis-1,3-Dichloropropene	ND		45	11	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
Styrene	ND		45	11	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1
tert-Butylbenzene	ND		45	12	ug/Kg	☼	07/16/25 10:48	07/16/25 15:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*320*	*T J*	*ug/Kg*	☼	*8.35*	*N/A*	*07/16/25 10:48*	*07/16/25 15:05*	*1*
Unknown	*470*	*T J*	*ug/Kg*	☼	*8.52*	*N/A*	*07/16/25 10:48*	*07/16/25 15:05*	*1*
column bleed	*830*	*T J*	*ug/Kg*	☼	*9.07*	*N/A*	*07/16/25 10:48*	*07/16/25 15:05*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*9.29*	*N/A*	*07/16/25 10:48*	*07/16/25 15:05*	*1*
Unknown	*680*	*T J*	*ug/Kg*	☼	*9.62*	*N/A*	*07/16/25 10:48*	*07/16/25 15:05*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*10.26*	*N/A*	*07/16/25 10:48*	*07/16/25 15:05*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*10.50*	*N/A*	*07/16/25 10:48*	*07/16/25 15:05*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*10.91*	*N/A*	*07/16/25 10:48*	*07/16/25 15:05*	*1*
trans-Decalin, 2-methyl-	*470*	*T J N*	*ug/Kg*	☼	*10.94*	*1000152-47-3*	*07/16/25 10:48*	*07/16/25 15:05*	*1*
Unknown	*480*	*T J*	*ug/Kg*	☼	*11.62*	*N/A*	*07/16/25 10:48*	*07/16/25 15:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*07/16/25 10:48*	*07/16/25 15:05*	*1*
4-Bromofluorobenzene (Surr)	*89*		*49 - 148*	*07/16/25 10:48*	*07/16/25 15:05*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*07/16/25 10:48*	*07/16/25 15:05*	*1*
Dibromofluoromethane (Surr)	*82*		*60 - 140*	*07/16/25 10:48*	*07/16/25 15:05*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		110	43	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
2,4,5-Trichlorophenol	ND		190	39	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
2,4,6-Trichlorophenol	ND		190	29	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
2,4-Dichlorophenol	ND		190	38	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
2,4-Dimethylphenol	ND		190	41	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
2,4-Dinitrophenol	ND		1900	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
2,4-Dinitrotoluene	ND		190	26	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
2,6-Dinitrotoluene	ND		190	28	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
2-Chloronaphthalene	ND		190	36	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
2-Chlorophenol	ND		190	30	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
2-Methylnaphthalene	**31**	**J**	190	31	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
2-Methylphenol	ND		190	31	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
2-Nitroaniline	ND		380	33	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
2-Nitrophenol	ND		190	22	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
3,3'-Dichlorobenzidine	ND		380	57	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
3-Nitroaniline	ND		380	27	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
4,6-Dinitro-2-methylphenol	ND		380	43	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
4-Bromophenyl phenyl ether	ND		190	33	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
4-Chloro-3-methylphenol	ND		190	40	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1

Client Sample ID: Exp-3 11ft
Date Collected: 07/14/25 13:30
Date Received: 07/14/25 15:27

Lab Sample ID: 480-231050-2
Matrix: Solid
Percent Solids: 86.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		190	28	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
4-Chlorophenyl phenyl ether	ND		190	41	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
4-Methylphenol	ND		380	35	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
4-Nitroaniline	ND		380	28	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
4-Nitrophenol	ND		380	53	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Acenaphthene	ND		190	36	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Acenaphthylene	ND		190	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Acetophenone	ND		190	34	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Anthracene	ND		190	36	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Atrazine	ND		190	66	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Benzaldehyde	ND		190	150	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Benzo[a]anthracene	ND		190	27	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Benzo[a]pyrene	ND		190	33	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Benzo[b]fluoranthene	**33**	**J**	190	26	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Benzo[g,h,i]perylene	ND		190	34	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Benzo[k]fluoranthene	ND		190	43	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Biphenyl	ND		190	36	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
bis (2-chloroisopropyl) ether	ND		190	40	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Bis(2-chloroethoxy)methane	ND		190	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Bis(2-chloroethyl)ether	ND		190	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Bis(2-ethylhexyl) phthalate	ND		190	42	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Butyl benzyl phthalate	ND		190	36	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Caprolactam	ND		190	45	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Carbazole	ND		190	38	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Chrysene	ND		190	47	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Dibenz(a,h)anthracene	ND		190	39	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Dibenzofuran	ND		190	34	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Diethyl phthalate	ND		190	35	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Dimethyl phthalate	ND		190	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Di-n-butyl phthalate	ND		190	43	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Di-n-octyl phthalate	ND		190	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Fluoranthene	**52**	**J**	190	35	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Fluorene	ND		190	36	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Hexachlorobenzene	ND		190	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Hexachlorobutadiene	ND		190	29	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Hexachlorocyclopentadiene	ND		380	85	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Hexachloroethane	ND		190	35	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Indeno[1,2,3-cd]pyrene	ND		190	29	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Isophorone	ND		190	40	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Naphthalene	ND		190	32	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Nitrobenzene	ND		190	33	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
N-Nitrosodi-n-propylamine	ND		190	43	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
N-Nitrosodiphenylamine	ND		190	32	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Pentachlorophenol	ND		380	62	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Phenanthrene	**77**	**J**	190	36	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Phenol	ND		190	35	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1
Pyrene	**37**	**J**	190	37	ug/Kg	☼	07/15/25 13:36	07/17/25 13:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2600*	*T J*	*ug/Kg*	☼	*3.11*	*N/A*	*07/15/25 13:36*	*07/17/25 13:53*	*1*

Client Sample ID: Exp-3 11ft

Date Collected: 07/14/25 13:30
Date Received: 07/14/25 15:27

Lab Sample ID: 480-231050-2

Matrix: Solid
Percent Solids: 86.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*106*		*10 - 140*	*07/15/25 13:36*	*07/17/25 13:53*	*1*
2-Fluorobiphenyl	*98*		*29 - 120*	*07/15/25 13:36*	*07/17/25 13:53*	*1*
2-Fluorophenol	*91*		*18 - 120*	*07/15/25 13:36*	*07/17/25 13:53*	*1*
Nitrobenzene-d5	*108*		*22 - 120*	*07/15/25 13:36*	*07/17/25 13:53*	*1*
Phenol-d5	*96*		*23 - 120*	*07/15/25 13:36*	*07/17/25 13:53*	*1*
p-Terphenyl-d14	*95*		*28 - 124*	*07/15/25 13:36*	*07/17/25 13:53*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**20000**		12.0	10.3	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Antimony	ND		17.9	0.63	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Arsenic	**4.0**		2.4	1.1	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Barium	**102**		0.60	0.17	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Beryllium	**0.73**		0.24	0.048	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Cadmium	**0.11**	**J**	0.24	0.084	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Calcium	**9110**		59.8	32.3	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Chromium	**24.8**		0.60	0.43	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Cobalt	**8.6**		0.60	0.12	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Copper	**19.1**		1.2	0.68	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Iron	**25600**		12.0	10.1	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Lead	**22.3**		1.2	0.55	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Magnesium	**7460**		23.9	10.1	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Manganese	**472**		1.2	0.33	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Nickel	**22.6**		6.0	0.30	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Potassium	**4910**		35.9	29.0	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Selenium	ND		4.8	0.96	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Silver	ND	^5-	0.72	0.24	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Sodium	**128**	**J**	167	73.3	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Thallium	ND		7.2	0.91	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Vanadium	**39.1**		0.60	0.16	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1
Zinc	**79.9**	**^5-**	2.4	1.2	mg/Kg	☼	07/17/25 08:43	07/18/25 13:09	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.030**		0.023	0.0054	mg/Kg	☼	07/16/25 09:06	07/16/25 11:27	1

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231050-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-231050-1	Exp-3 8ft	108	89	101	89
480-231050-2	Exp-3 11ft	102	89	99	82
LCS 480-751902/2-A	Lab Control Sample	108	92	102	94
MB 480-751902/1-A	Method Blank	105	89	100	89

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(10-140)	(29-120)	(18-120)	(22-120)	(23-120)	(28-124)
480-231050-1	Exp-3 8ft	111	91	93	91	98	92
480-231050-2	Exp-3 11ft	106	98	91	108	96	95
LCS 480-751807/2-A	Lab Control Sample	96	96	86	92	97	95
MB 480-751807/1-A	Method Blank	86	92	85	91	94	94

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-751902/1-A
Matrix: Solid
Analysis Batch: 751892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751902

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,1-Dichloroethane	ND		100	31	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,1-Dichloroethene	ND		100	35	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,2,4-Trimethylbenzene	ND		100	28	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,2-Dichloroethane	ND		100	41	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,2-Dichloropropane	ND		100	16	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,3,5-Trimethylbenzene	ND		100	30	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
2-Butanone (MEK)	ND		500	300	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
2-Hexanone	ND		500	210	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
4-Isopropyltoluene	ND		100	34	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Acetone	ND		500	410	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Benzene	ND		100	19	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Bromoform	ND		100	50	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Bromomethane	ND		100	22	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Carbon disulfide	ND		100	46	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Carbon tetrachloride	ND		100	26	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Chlorobenzene	ND		100	13	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Dibromochloromethane	ND		100	48	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Chloroethane	ND		100	21	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Chloroform	ND		100	69	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Chloromethane	ND		100	24	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Cyclohexane	ND		100	22	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Bromodichloromethane	ND		100	20	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Ethylbenzene	ND		100	29	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
1,2-Dibromoethane	ND		100	18	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Isopropylbenzene	ND		100	15	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Methyl acetate	ND		500	48	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Methylcyclohexane	ND		100	47	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Methylene Chloride	ND		100	20	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
m,p-Xylene	ND		200	55	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Naphthalene	ND		100	34	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
n-Butylbenzene	ND		100	29	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
N-Propylbenzene	ND		100	26	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
o-Xylene	ND		100	13	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
sec-Butylbenzene	ND		100	37	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Tetrachloroethene	ND		100	13	ug/Kg		07/16/25 10:48	07/16/25 14:03	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-751902/1-A
Matrix: Solid
Analysis Batch: 751892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751902

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		100	27	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Trichloroethene	ND		100	28	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Trichlorofluoromethane	ND		100	47	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Vinyl chloride	ND		100	34	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Xylenes, Total	ND		200	55	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
Styrene	ND		100	24	ug/Kg		07/16/25 10:48	07/16/25 14:03	1
tert-Butylbenzene	ND		100	28	ug/Kg		07/16/25 10:48	07/16/25 14:03	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*			*N/A*	*07/16/25 10:48*	*07/16/25 14:03*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*07/16/25 10:48*	*07/16/25 14:03*	*1*
4-Bromofluorobenzene (Surr)	*89*		*49 - 148*	*07/16/25 10:48*	*07/16/25 14:03*	*1*
Toluene-d8 (Surr)	*100*		*50 - 149*	*07/16/25 10:48*	*07/16/25 14:03*	*1*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*07/16/25 10:48*	*07/16/25 14:03*	*1*

Lab Sample ID: LCS 480-751902/2-A
Matrix: Solid
Analysis Batch: 751892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751902

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2500	2470		ug/Kg		99	68 - 130
1,1,2,2-Tetrachloroethane	2500	2650		ug/Kg		106	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2700		ug/Kg		108	10 - 179
1,1,2-Trichloroethane	2500	2560		ug/Kg		102	80 - 120
1,1-Dichloroethane	2500	2780		ug/Kg		111	78 - 121
1,1-Dichloroethene	2500	2320		ug/Kg		93	48 - 133
1,2,4-Trichlorobenzene	2500	2600		ug/Kg		104	70 - 140
1,2,4-Trimethylbenzene	2500	2670		ug/Kg		107	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2060		ug/Kg		83	56 - 122
1,2-Dichlorobenzene	2500	2680		ug/Kg		107	78 - 125
1,2-Dichloroethane	2500	2820		ug/Kg		113	74 - 127
1,2-Dichloropropane	2500	2690		ug/Kg		107	80 - 120
1,3,5-Trimethylbenzene	2500	2680		ug/Kg		107	79 - 120
1,3-Dichlorobenzene	2500	2610		ug/Kg		104	80 - 120
1,4-Dichlorobenzene	2500	2600		ug/Kg		104	80 - 120
2-Butanone (MEK)	12500	14600		ug/Kg		116	54 - 149
2-Hexanone	12500	15300		ug/Kg		122	59 - 127
4-Isopropyltoluene	2500	2740		ug/Kg		109	80 - 120
4-Methyl-2-pentanone (MIBK)	12500	14800		ug/Kg		118	74 - 120
Acetone	12500	15700		ug/Kg		125	47 - 141
Benzene	2500	2680		ug/Kg		107	77 - 125
Bromoform	2500	1640		ug/Kg		66	48 - 125

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231050-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-751902/2-A
Matrix: Solid
Analysis Batch: 751892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751902

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	2500	2110		ug/Kg		84	39 - 149
Carbon disulfide	2500	2300		ug/Kg		92	40 - 136
Carbon tetrachloride	2500	2220		ug/Kg		89	54 - 135
Chlorobenzene	2500	2590		ug/Kg		104	76 - 126
Dibromochloromethane	2500	1910		ug/Kg		76	64 - 120
Chloroethane	2500	2370		ug/Kg		95	23 - 150
Chloroform	2500	2600		ug/Kg		104	78 - 120
Chloromethane	2500	2480		ug/Kg		99	61 - 124
cis-1,2-Dichloroethene	2500	2540		ug/Kg		102	79 - 124
Cyclohexane	2500	2720		ug/Kg		109	49 - 129
Bromodichloromethane	2500	2240		ug/Kg		90	71 - 121
Dichlorodifluoromethane	2500	1830		ug/Kg		73	10 - 150
Ethylbenzene	2500	2690		ug/Kg		107	78 - 124
1,2-Dibromoethane	2500	2540		ug/Kg		102	80 - 120
Isopropylbenzene	2500	2710		ug/Kg		108	76 - 120
Methyl acetate	5000	5510		ug/Kg		110	71 - 123
Methyl tert-butyl ether	2500	2540		ug/Kg		101	67 - 137
Methylcyclohexane	2500	2460		ug/Kg		99	50 - 130
Methylene Chloride	2500	2410		ug/Kg		97	75 - 118
m,p-Xylene	2500	2500		ug/Kg		100	77 - 125
Naphthalene	2500	2640		ug/Kg		106	65 - 142
n-Butylbenzene	2500	2850		ug/Kg		114	80 - 120
N-Propylbenzene	2500	2860		ug/Kg		114	76 - 120
o-Xylene	2500	2500		ug/Kg		100	80 - 124
sec-Butylbenzene	2500	2800		ug/Kg		112	79 - 120
Tetrachloroethene	2500	2520		ug/Kg		101	73 - 133
Toluene	2500	2680		ug/Kg		107	75 - 124
trans-1,2-Dichloroethene	2500	2470		ug/Kg		99	74 - 129
trans-1,3-Dichloropropene	2500	2390		ug/Kg		96	73 - 120
Trichloroethene	2500	2480		ug/Kg		99	75 - 131
Trichlorofluoromethane	2500	2760		ug/Kg		110	29 - 158
Vinyl chloride	2500	2740		ug/Kg		109	59 - 124
cis-1,3-Dichloropropene	2500	2410		ug/Kg		96	75 - 121
Styrene	2500	2440		ug/Kg		98	80 - 120
tert-Butylbenzene	2500	2700		ug/Kg		108	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*
4-Bromofluorobenzene (Surr)	*92*		*49 - 148*
Toluene-d8 (Surr)	*102*		*50 - 149*
Dibromofluoromethane (Surr)	*94*		*60 - 140*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-751807/1-A
Matrix: Solid
Analysis Batch: 751875

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		100	37	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
2,4,5-Trichlorophenol	ND		170	34	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
2,4,6-Trichlorophenol	ND		170	26	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
2,4-Dichlorophenol	ND		170	33	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
2,4-Dimethylphenol	ND		170	36	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
2,4-Dinitrophenol	ND		1700	32	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
2,4-Dinitrotoluene	ND		170	23	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
2,6-Dinitrotoluene	ND		170	24	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
2-Chloronaphthalene	ND		170	32	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
2-Chlorophenol	ND		170	27	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
2-Methylnaphthalene	ND		170	27	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
2-Methylphenol	ND		170	27	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
2-Nitroaniline	ND		330	29	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
2-Nitrophenol	ND		170	19	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
3,3'-Dichlorobenzidine	ND		330	50	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
3-Nitroaniline	ND		330	24	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
4,6-Dinitro-2-methylphenol	ND		330	37	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
4-Bromophenyl phenyl ether	ND		170	29	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
4-Chloro-3-methylphenol	ND		170	35	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
4-Chloroaniline	ND		170	24	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
4-Chlorophenyl phenyl ether	ND		170	36	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
4-Methylphenol	ND		330	30	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
4-Nitroaniline	ND		330	25	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
4-Nitrophenol	ND		330	46	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Acenaphthene	ND		170	31	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Acenaphthylene	ND		170	33	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Acetophenone	ND		170	30	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Anthracene	ND		170	31	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Atrazine	ND		170	57	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Benzaldehyde	ND		170	130	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Benzo[a]anthracene	ND		170	23	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Benzo[a]pyrene	ND		170	29	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Benzo[b]fluoranthene	ND		170	23	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Benzo[g,h,i]perylene	ND		170	30	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Benzo[k]fluoranthene	ND		170	38	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Biphenyl	ND		170	32	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
bis (2-chloroisopropyl) ether	ND		170	35	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Bis(2-chloroethoxy)methane	ND		170	32	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Bis(2-chloroethyl)ether	ND		170	32	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Bis(2-ethylhexyl) phthalate	ND		170	37	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Butyl benzyl phthalate	ND		170	31	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Caprolactam	ND		170	39	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Carbazole	ND		170	33	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Chrysene	ND		170	41	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Dibenz(a,h)anthracene	ND		170	34	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Dibenzofuran	ND		170	30	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Diethyl phthalate	ND		170	30	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Dimethyl phthalate	ND		170	33	ug/Kg		07/15/25 13:36	07/16/25 16:29	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-751807/1-A
Matrix: Solid
Analysis Batch: 751875

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		170	38	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Di-n-octyl phthalate	ND		170	32	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Fluoranthene	ND		170	31	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Fluorene	ND		170	31	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Hexachlorobenzene	ND		170	33	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Hexachlorobutadiene	ND		170	25	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Hexachlorocyclopentadiene	ND		330	74	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Hexachloroethane	ND		170	31	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Indeno[1,2,3-cd]pyrene	ND		170	25	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Isophorone	ND		170	35	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Naphthalene	ND		170	28	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Nitrobenzene	ND		170	28	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
N-Nitrosodi-n-propylamine	ND		170	38	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
N-Nitrosodiphenylamine	ND		170	28	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Pentachlorophenol	ND		330	54	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Phenanthrene	ND		170	32	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Phenol	ND		170	31	ug/Kg		07/15/25 13:36	07/16/25 16:29	1
Pyrene	ND		170	32	ug/Kg		07/15/25 13:36	07/16/25 16:29	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*20000*	*T J*	*ug/Kg*		*3.13*	*N/A*	*07/15/25 13:36*	*07/16/25 16:29*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*10 - 140*	*07/15/25 13:36*	*07/16/25 16:29*	*1*
2-Fluorobiphenyl	*92*		*29 - 120*	*07/15/25 13:36*	*07/16/25 16:29*	*1*
2-Fluorophenol	*85*		*18 - 120*	*07/15/25 13:36*	*07/16/25 16:29*	*1*
Nitrobenzene-d5	*91*		*22 - 120*	*07/15/25 13:36*	*07/16/25 16:29*	*1*
Phenol-d5	*94*		*23 - 120*	*07/15/25 13:36*	*07/16/25 16:29*	*1*
p-Terphenyl-d14	*94*		*28 - 124*	*07/15/25 13:36*	*07/16/25 16:29*	*1*

Lab Sample ID: LCS 480-751807/2-A
Matrix: Solid
Analysis Batch: 751875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	2670	1450		ug/Kg		54	22 - 120
2,4,5-Trichlorophenol	2670	2160		ug/Kg		81	52 - 120
2,4,6-Trichlorophenol	2670	2290		ug/Kg		86	51 - 120
2,4-Dichlorophenol	2670	2200		ug/Kg		82	44 - 120
2,4-Dimethylphenol	2670	2350		ug/Kg		88	48 - 120
2,4-Dinitrophenol	5330	2650		ug/Kg		50	28 - 120
2,4-Dinitrotoluene	2670	2530		ug/Kg		95	55 - 125
2,6-Dinitrotoluene	2670	2570		ug/Kg		96	51 - 125
2-Chloronaphthalene	2670	2430		ug/Kg		91	46 - 120
2-Chlorophenol	2670	2260		ug/Kg		85	40 - 120
2-Methylnaphthalene	2670	2330		ug/Kg		87	45 - 120
2-Methylphenol	2670	2390		ug/Kg		90	41 - 120
2-Nitroaniline	2670	2560		ug/Kg		96	51 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-751807/2-A
Matrix: Solid
Analysis Batch: 751875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitrophenol	2670	2110		ug/Kg		79	43 - 120
3,3'-Dichlorobenzidine	2670	1640		ug/Kg		61	10 - 120
3-Nitroaniline	2670	1730		ug/Kg		65	33 - 120
4,6-Dinitro-2-methylphenol	5330	4140		ug/Kg		78	49 - 126
4-Bromophenyl phenyl ether	2670	2650		ug/Kg		100	55 - 123
4-Chloro-3-methylphenol	2670	2380		ug/Kg		89	54 - 120
4-Chloroaniline	2670	1450		ug/Kg		55	20 - 120
4-Chlorophenyl phenyl ether	2670	2450		ug/Kg		92	54 - 120
4-Methylphenol	2670	2410		ug/Kg		90	43 - 120
4-Nitroaniline	2670	2270		ug/Kg		85	54 - 120
4-Nitrophenol	5330	4090		ug/Kg		77	47 - 120
Acenaphthene	2670	2430		ug/Kg		91	49 - 121
Acenaphthylene	2670	2480		ug/Kg		93	49 - 120
Acetophenone	2670	2360		ug/Kg		89	39 - 120
Anthracene	2670	2570		ug/Kg		97	57 - 120
Atrazine	2670	2100		ug/Kg		79	44 - 120
Benzaldehyde	2670	2060		ug/Kg		77	10 - 120
Benzo[a]anthracene	2670	2440		ug/Kg		91	58 - 120
Benzo[a]pyrene	2670	2500		ug/Kg		94	59 - 122
Benzo[b]fluoranthene	2670	2410		ug/Kg		90	56 - 120
Benzo[g,h,i]perylene	2670	2620		ug/Kg		98	56 - 132
Benzo[k]fluoranthene	2670	2590		ug/Kg		97	59 - 127
Biphenyl	2670	2440		ug/Kg		91	47 - 120
bis (2-chloroisopropyl) ether	2670	2550		ug/Kg		95	31 - 120
Bis(2-chloroethoxy)methane	2670	2460		ug/Kg		92	42 - 120
Bis(2-chloroethyl)ether	2670	2360		ug/Kg		88	34 - 120
Bis(2-ethylhexyl) phthalate	2670	2540		ug/Kg		95	49 - 130
Butyl benzyl phthalate	2670	2520		ug/Kg		95	50 - 122
Caprolactam	2670	1600		ug/Kg		60	10 - 120
Carbazole	2670	2640		ug/Kg		99	58 - 124
Chrysene	2670	2400		ug/Kg		90	57 - 120
Dibenz(a,h)anthracene	2670	2540		ug/Kg		95	53 - 124
Dibenzofuran	2670	2440		ug/Kg		91	53 - 120
Diethyl phthalate	2670	2520		ug/Kg		94	54 - 120
Dimethyl phthalate	2670	2550		ug/Kg		95	53 - 120
Di-n-butyl phthalate	2670	2670		ug/Kg		100	49 - 120
Di-n-octyl phthalate	2670	2560		ug/Kg		96	42 - 125
Fluoranthene	2670	2700		ug/Kg		101	57 - 121
Fluorene	2670	2440		ug/Kg		92	55 - 121
Hexachlorobenzene	2670	2640		ug/Kg		99	56 - 120
Hexachlorobutadiene	2670	2280		ug/Kg		85	40 - 120
Hexachlorocyclopentadiene	2670	2040		ug/Kg		76	30 - 125
Hexachloroethane	2670	2060		ug/Kg		77	34 - 120
Indeno[1,2,3-cd]pyrene	2670	2530		ug/Kg		95	53 - 125
Isophorone	2670	2470		ug/Kg		93	46 - 120
Naphthalene	2670	2260		ug/Kg		85	43 - 120
Nitrobenzene	2670	2370		ug/Kg		89	40 - 120
N-Nitrosodi-n-propylamine	2670	2480		ug/Kg		93	41 - 120
Pentachlorophenol	5330	4140		ug/Kg		78	10 - 124

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-751807/2-A
Matrix: Solid
Analysis Batch: 751875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751807

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenanthrene			2670	2570		ug/Kg		96	57 - 120		
Phenol			2670	2340		ug/Kg		88	37 - 120		
Pyrene			2670	2430		ug/Kg		91	59 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*96*		*10 - 140*
2-Fluorobiphenyl	*96*		*29 - 120*
2-Fluorophenol	*86*		*18 - 120*
Nitrobenzene-d5	*92*		*22 - 120*
Phenol-d5	*97*		*23 - 120*
p-Terphenyl-d14	*95*		*28 - 124*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-751886/1-A
Matrix: Solid
Analysis Batch: 752142

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10.6	9.2	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Antimony	ND		15.9	0.56	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Arsenic	ND		2.1	0.93	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Barium	ND		0.53	0.15	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Beryllium	ND		0.21	0.042	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Cadmium	ND		0.21	0.074	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Calcium	ND		53.1	28.7	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Chromium	ND		0.53	0.38	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Cobalt	ND		0.53	0.11	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Copper	ND		1.1	0.61	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Iron	ND		10.6	9.0	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Lead	ND		1.1	0.49	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Magnesium	ND		21.2	9.0	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Manganese	ND		1.1	0.30	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Nickel	ND		5.3	0.27	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Potassium	ND		31.8	25.7	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Selenium	ND		4.2	0.85	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Silver	ND	^5-	0.64	0.21	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Sodium	ND		149	65.1	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Thallium	ND		6.4	0.81	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Vanadium	ND		0.53	0.14	mg/Kg		07/17/25 08:43	07/18/25 12:15	1
Zinc	ND	^5-	2.1	1.1	mg/Kg		07/17/25 08:43	07/18/25 12:15	1

Lab Sample ID: LCSSRM 480-751886/2-A
Matrix: Solid
Analysis Batch: 752142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751886

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum			7680	8360		mg/Kg		108.9	47.4 - 130.2		

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-751886/2-A
Matrix: Solid
Analysis Batch: 752142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751886

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	201	73.88		mg/Kg		36.8	0.06 - 100.0
Arsenic	181	141.4		mg/Kg		78.1	66.3 - 97.8
Barium	211	176.1		mg/Kg		83.5	73.9 - 107.1
Beryllium	270	244.6		mg/Kg		90.6	73.0 - 104.4
Cadmium	221	181.7		mg/Kg		82.2	70.6 - 101.8
Calcium	4280	4043		mg/Kg		94.5	77.3 - 111.0
Chromium	149	131.8		mg/Kg		88.5	71.8 - 105.4
Cobalt	142	134.1		mg/Kg		94.4	73.2 - 104.2
Copper	264	225.8		mg/Kg		85.5	73.5 - 104.2
Iron	7360	7253		mg/Kg		98.5	55.4 - 130.3
Lead	106	102.1		mg/Kg		96.3	76.1 - 109.4
Magnesium	2170	2031		mg/Kg		93.6	68.7 - 112.0
Manganese	270	238.0		mg/Kg		88.2	73.0 - 107.8
Nickel	177	164.3		mg/Kg		92.8	71.8 - 103.4
Potassium	2340	2194		mg/Kg		93.8	62.8 - 113.7
Selenium	139	114.9		mg/Kg		82.7	70.0 - 107.9
Silver	59.9	50.62		mg/Kg		84.5	72.8 - 110.7
Sodium	306	283.2		mg/Kg		92.5	66.0 - 113.4
Thallium	205	198.8		mg/Kg		97.0	71.7 - 106.8
Vanadium	155	140.0		mg/Kg		90.3	69.0 - 107.7
Zinc	398	336.2		mg/Kg		84.5	68.8 - 104.5

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-751857/1-A
Matrix: Solid
Analysis Batch: 751908

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751857

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021	0.0048	mg/Kg		07/16/25 09:06	07/16/25 10:54	1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 480-751857/2-A ^10
Matrix: Solid
Analysis Batch: 751908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751857

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			24.0	18.56		mg/Kg		77.3	55.8 - 109.6		

GC/MS VOA

Analysis Batch: 751892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231050-1	Exp-3 8ft	Total/NA	Solid	8260C	751902
480-231050-2	Exp-3 11ft	Total/NA	Solid	8260C	751902
MB 480-751902/1-A	Method Blank	Total/NA	Solid	8260C	751902
LCS 480-751902/2-A	Lab Control Sample	Total/NA	Solid	8260C	751902

Prep Batch: 751902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231050-1	Exp-3 8ft	Total/NA	Solid	5035A_H	
480-231050-2	Exp-3 11ft	Total/NA	Solid	5035A_H	
MB 480-751902/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-751902/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

GC/MS Semi VOA

Prep Batch: 751807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231050-1	Exp-3 8ft	Total/NA	Solid	3546	
480-231050-2	Exp-3 11ft	Total/NA	Solid	3546	
MB 480-751807/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-751807/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 751875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-751807/1-A	Method Blank	Total/NA	Solid	8270D	751807
LCS 480-751807/2-A	Lab Control Sample	Total/NA	Solid	8270D	751807

Analysis Batch: 751981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231050-1	Exp-3 8ft	Total/NA	Solid	8270D	751807
480-231050-2	Exp-3 11ft	Total/NA	Solid	8270D	751807

Metals

Prep Batch: 751857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231050-1	Exp-3 8ft	Total/NA	Solid	7471B	
480-231050-2	Exp-3 11ft	Total/NA	Solid	7471B	
MB 480-751857/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-751857/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 751886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231050-1	Exp-3 8ft	Total/NA	Solid	3050B	
480-231050-2	Exp-3 11ft	Total/NA	Solid	3050B	
MB 480-751886/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-751886/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 751908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231050-1	Exp-3 8ft	Total/NA	Solid	7471B	751857
480-231050-2	Exp-3 11ft	Total/NA	Solid	7471B	751857
MB 480-751857/1-A	Method Blank	Total/NA	Solid	7471B	751857

Metals (Continued)

Analysis Batch: 751908 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 480-751857/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	751857

Analysis Batch: 752142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231050-1	Exp-3 8ft	Total/NA	Solid	6010D	751886
480-231050-2	Exp-3 11ft	Total/NA	Solid	6010D	751886
MB 480-751886/1-A	Method Blank	Total/NA	Solid	6010D	751886
LCSSRM 480-751886/2-A	Lab Control Sample	Total/NA	Solid	6010D	751886

General Chemistry

Analysis Batch: 751816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231050-1	Exp-3 8ft	Total/NA	Solid	Moisture	
480-231050-2	Exp-3 11ft	Total/NA	Solid	Moisture	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231050-1

Client Sample ID: Exp-3 8ft
Date Collected: 07/14/25 13:01
Date Received: 07/14/25 15:27

Lab Sample ID: 480-231050-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751816	MAN	EET BUF	07/15/25 14:58

Client Sample ID: Exp-3 8ft
Date Collected: 07/14/25 13:01
Date Received: 07/14/25 15:27

Lab Sample ID: 480-231050-1
Matrix: Solid
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			751902	ATG	EET BUF	07/16/25 10:48
Total/NA	Analysis	8260C		2	751892	ATG	EET BUF	07/16/25 14:42
Total/NA	Prep	3546			751807	LSC	EET BUF	07/15/25 13:36
Total/NA	Analysis	8270D		1	751981	JMM	EET BUF	07/17/25 13:25
Total/NA	Prep	3050B			751886	EMO	EET BUF	07/17/25 08:43
Total/NA	Analysis	6010D		1	752142	MP	EET BUF	07/18/25 13:07
Total/NA	Prep	7471B			751857	ESB	EET BUF	07/16/25 09:06
Total/NA	Analysis	7471B		1	751908	ESB	EET BUF	07/16/25 11:26

Client Sample ID: Exp-3 11ft
Date Collected: 07/14/25 13:30
Date Received: 07/14/25 15:27

Lab Sample ID: 480-231050-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	751816	MAN	EET BUF	07/15/25 14:58

Client Sample ID: Exp-3 11ft
Date Collected: 07/14/25 13:30
Date Received: 07/14/25 15:27

Lab Sample ID: 480-231050-2
Matrix: Solid
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			751902	ATG	EET BUF	07/16/25 10:48
Total/NA	Analysis	8260C		1	751892	ATG	EET BUF	07/16/25 15:05
Total/NA	Prep	3546			751807	LSC	EET BUF	07/15/25 13:36
Total/NA	Analysis	8270D		1	751981	JMM	EET BUF	07/17/25 13:53
Total/NA	Prep	3050B			751886	EMO	EET BUF	07/17/25 08:43
Total/NA	Analysis	6010D		1	752142	MP	EET BUF	07/18/25 13:09
Total/NA	Prep	7471B			751857	ESB	EET BUF	07/16/25 09:06
Total/NA	Analysis	7471B		1	751908	ESB	EET BUF	07/16/25 11:27

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-231050-1
Project/Site: 9 Lakeview Avenue Site,

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231050-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
6010D	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3546	Microwave Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231050-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-231050-1	Exp-3 8ft	Solid	07/14/25 13:01	07/14/25 15:27
480-231050-2	Exp-3 11ft	Solid	07/14/25 13:30	07/14/25 15:27

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Environment Testing

Client Information

Client Contact: Adam Zebrowski
Company: Labella Associates DPC
Address: 300 Pearl St Suite 130
City: Buffalo
State, Zip: NY, 14202
Phone:
Email: azebrowski@labellapc.com
Site: 9 Lakeview Ave site.

Sampler:
Phone:
Due Date Requested:
TAT Requested (days):
PO #: Purchase order Requested
WO #:
SSOW#:

Lab PM: Beninati, John
E-Mail: John.Beninati@et.eurofins.com
Carrier Tracking No(s):
State of Origin:
Accreditations Required (See note):

COC No: 480-206632-41432.1
Page: 1-1
Job #: 48028950

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/7471B/8270C-VOCS-TCL+CP 5	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Exp-3 8ft	7/14/25		1:01	grab			X		soils
Exp-3 11ft	7/14/25		1:30	grab			X		soils

480-231050 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory o. status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:
Date:
Time:
Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Armand Moskalik	7/14/25	Labella		7-14-25 1507	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 7.2 ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-231050-1

Login Number: 231050
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	Yes: Received same day of collection; chilling process has begun
Cooler Temperature is recorded.	True	7.2 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	LaBella
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Adam Zebrowski
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 8/28/2025 9:57:41 PM

JOB DESCRIPTION

9 Lakeview Avenue Site,

JOB NUMBER

480-231016-2

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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8/28/2025 9:57:41 PM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-231016-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 7/11/2025 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°C.

General Chemistry
Method 7196A: The following sample was diluted due to the nature of the sample matrix: TP-15 2-3 (480-231016-5). Elevated reporting limits (RLs) are provided.

Method 7196A: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: TP-15 2-3 (480-231016-5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231016-2

Client Sample ID: TP-14 2-4 — Lab Sample ID: 480-231016-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.46	J H	0.51	0.17	mg/Kg	1	☼	7196A	Total/NA
Cr (III)	84.1		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

Client Sample ID: TP-12 3-5 — Lab Sample ID: 480-231016-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	50.8		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

Client Sample ID: TP-13 3-5 — Lab Sample ID: 480-231016-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	23.2		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

Client Sample ID: TP-15 2-3 — Lab Sample ID: 480-231016-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	15.5		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

Client Sample ID: Exp-2 2-4 — Lab Sample ID: 480-231016-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	49.2		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-14 2-4
Lab Sample ID: 480-231016-1
Date Collected: 07/11/25 10:30
Matrix: Solid
Date Received: 07/11/25 15:50
Percent Solids: 80.9

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	0.46	J H	0.51	0.17	mg/Kg	☼	08/26/25 12:33	08/27/25 20:59	1
Cr (III) (SM 3500 CR D)	84.1		1.5	0.63	mg/Kg	☼		08/28/25 10:26	1

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-12 3-5
Lab Sample ID: 480-231016-3
Date Collected: 07/11/25 12:30
Matrix: Solid
Date Received: 07/11/25 15:50
Percent Solids: 77.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND	H	0.54	0.18	mg/Kg	☼	08/26/25 12:33	08/27/25 20:59	1
Cr (III) (SM 3500 CR D)	**50.8**		1.5	0.63	mg/Kg	☼		08/28/25 10:26	1

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-13 3-5
Lab Sample ID: 480-231016-4
Date Collected: 07/11/25 13:00
Matrix: Solid
Date Received: 07/11/25 15:50
Percent Solids: 85.5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND	H	0.48	0.16	mg/Kg	☼	08/26/25 12:33	08/27/25 20:59	1
Cr (III) (SM 3500 CR D)	**23.2**		1.5	0.63	mg/Kg	☼		08/28/25 10:26	1

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-15 2-3
Lab Sample ID: 480-231016-5
Date Collected: 07/11/25 12:00
Matrix: Solid
Date Received: 07/11/25 15:50
Percent Solids: 81.9

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND	H	5.2	1.7	mg/Kg	☼	08/27/25 19:32	08/28/25 10:52	10
Cr (III) (SM 3500 CR D)	**15.5**		1.5	0.63	mg/Kg	☼		08/28/25 10:26	1

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: Exp-2 2-4
Lab Sample ID: 480-231016-6
Date Collected: 07/11/25 15:00
Matrix: Solid
Date Received: 07/11/25 15:50
Percent Solids: 86.5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND	H	0.48	0.16	mg/Kg	☼	08/26/25 12:33	08/27/25 20:59	1
Cr (III) (SM 3500 CR D)	**49.2**		1.5	0.63	mg/Kg	☼		08/28/25 10:26	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231016-2

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 410-690791/1-A
Matrix: Solid
Analysis Batch: 691586

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.42	0.14	mg/Kg		08/26/25 12:33	08/27/25 20:59	1

Lab Sample ID: LCS 410-690791/2-A
Matrix: Solid
Analysis Batch: 691586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690791

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	5.00	4.66		mg/Kg		93	80 - 120

Lab Sample ID: LCSI 410-690791/3-A
Matrix: Solid
Analysis Batch: 691586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690791

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	830	739.2		mg/Kg		89	80 - 120

Lab Sample ID: MB 410-691551/1-A
Matrix: Solid
Analysis Batch: 691896

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691551

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.42	0.14	mg/Kg		08/27/25 19:32	08/28/25 10:52	1

Lab Sample ID: LCS 410-691551/2-A
Matrix: Solid
Analysis Batch: 691896

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691551

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	5.00	4.84		mg/Kg		97	80 - 120

Lab Sample ID: LCSI 410-691551/3-A
Matrix: Solid
Analysis Batch: 691896

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691551

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	701	679.2		mg/Kg		97	80 - 120

General Chemistry

Prep Batch: 690791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231016-1	TP-14 2-4	Total/NA	Solid	3060A	
480-231016-3	TP-12 3-5	Total/NA	Solid	3060A	
480-231016-4	TP-13 3-5	Total/NA	Solid	3060A	
480-231016-6	Exp-2 2-4	Total/NA	Solid	3060A	
MB 410-690791/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-690791/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-690791/3-A	Lab Control Sample	Total/NA	Solid	3060A	

Prep Batch: 691551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231016-5	TP-15 2-3	Total/NA	Solid	3060A	
MB 410-691551/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-691551/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-691551/3-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 691586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231016-1	TP-14 2-4	Total/NA	Solid	7196A	690791
480-231016-3	TP-12 3-5	Total/NA	Solid	7196A	690791
480-231016-4	TP-13 3-5	Total/NA	Solid	7196A	690791
480-231016-6	Exp-2 2-4	Total/NA	Solid	7196A	690791
MB 410-690791/1-A	Method Blank	Total/NA	Solid	7196A	690791
LCS 410-690791/2-A	Lab Control Sample	Total/NA	Solid	7196A	690791
LCSI 410-690791/3-A	Lab Control Sample	Total/NA	Solid	7196A	690791

Analysis Batch: 691896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231016-5	TP-15 2-3	Total/NA	Solid	7196A	691551
MB 410-691551/1-A	Method Blank	Total/NA	Solid	7196A	691551
LCS 410-691551/2-A	Lab Control Sample	Total/NA	Solid	7196A	691551
LCSI 410-691551/3-A	Lab Control Sample	Total/NA	Solid	7196A	691551

Analysis Batch: 755530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231016-1	TP-14 2-4	Total/NA	Solid	SM 3500 CR D	
480-231016-3	TP-12 3-5	Total/NA	Solid	SM 3500 CR D	
480-231016-4	TP-13 3-5	Total/NA	Solid	SM 3500 CR D	
480-231016-5	TP-15 2-3	Total/NA	Solid	SM 3500 CR D	
480-231016-6	Exp-2 2-4	Total/NA	Solid	SM 3500 CR D	

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-14 2-4 — **Lab Sample ID: 480-231016-1**
Date Collected: 07/11/25 10:30 — **Matrix: Solid**
Date Received: 07/11/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755530	JJP	EET BUF	08/28/25 10:26

Client Sample ID: TP-14 2-4 — **Lab Sample ID: 480-231016-1**
Date Collected: 07/11/25 10:30 — **Matrix: Solid**
Date Received: 07/11/25 15:50 — **Percent Solids: 80.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			690791	W2JF	ELLE	08/26/25 12:33
Total/NA	Analysis	7196A		1	691586	UDS7	ELLE	08/27/25 20:59

Client Sample ID: TP-12 3-5 — **Lab Sample ID: 480-231016-3**
Date Collected: 07/11/25 12:30 — **Matrix: Solid**
Date Received: 07/11/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755530	JJP	EET BUF	08/28/25 10:26

Client Sample ID: TP-12 3-5 — **Lab Sample ID: 480-231016-3**
Date Collected: 07/11/25 12:30 — **Matrix: Solid**
Date Received: 07/11/25 15:50 — **Percent Solids: 77.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			690791	W2JF	ELLE	08/26/25 12:33
Total/NA	Analysis	7196A		1	691586	UDS7	ELLE	08/27/25 20:59

Client Sample ID: TP-13 3-5 — **Lab Sample ID: 480-231016-4**
Date Collected: 07/11/25 13:00 — **Matrix: Solid**
Date Received: 07/11/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755530	JJP	EET BUF	08/28/25 10:26

Client Sample ID: TP-13 3-5 — **Lab Sample ID: 480-231016-4**
Date Collected: 07/11/25 13:00 — **Matrix: Solid**
Date Received: 07/11/25 15:50 — **Percent Solids: 85.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			690791	W2JF	ELLE	08/26/25 12:33
Total/NA	Analysis	7196A		1	691586	UDS7	ELLE	08/27/25 20:59

Client Sample ID: TP-15 2-3 — **Lab Sample ID: 480-231016-5**
Date Collected: 07/11/25 12:00 — **Matrix: Solid**
Date Received: 07/11/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755530	JJP	EET BUF	08/28/25 10:26

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-15 2-3
Lab Sample ID: 480-231016-5
Date Collected: 07/11/25 12:00
Matrix: Solid
Date Received: 07/11/25 15:50
Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			691551	UDS7	ELLE	08/27/25 19:32
Total/NA	Analysis	7196A		10	691896	W2JF	ELLE	08/28/25 10:52

Client Sample ID: Exp-2 2-4
Lab Sample ID: 480-231016-6
Date Collected: 07/11/25 15:00
Matrix: Solid
Date Received: 07/11/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755530	JJP	EET BUF	08/28/25 10:26

Client Sample ID: Exp-2 2-4
Lab Sample ID: 480-231016-6
Date Collected: 07/11/25 15:00
Matrix: Solid
Date Received: 07/11/25 15:50
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			690791	W2JF	ELLE	08/26/25 12:33
Total/NA	Analysis	7196A		1	691586	UDS7	ELLE	08/27/25 20:59

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 3500 CR D		Solid	Cr (III)

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-26
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-26
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-26
Connecticut	State	PH-0746	06-30-27
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	07-01-26
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-26
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-26
Massachusetts	State	M-PA009	06-30-26
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-26
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-26
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-26
Washington	State	C457	04-11-26
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-26
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231016-2

Method	Method Description	Protocol	Laboratory
7196A	Chromium, Hexavalent	SW846	ELLE
SM 3500 CR D	Chromium, Trivalent	SM	EET BUF
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	ELLE

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-231016-1	TP-14 2-4	Solid	07/11/25 10:30	07/11/25 15:50	New York
480-231016-3	TP-12 3-5	Solid	07/11/25 12:30	07/11/25 15:50	New York
480-231016-4	TP-13 3-5	Solid	07/11/25 13:00	07/11/25 15:50	New York
480-231016-5	TP-15 2-3	Solid	07/11/25 12:00	07/11/25 15:50	New York
480-231016-6	Exp-2 2-4	Solid	07/11/25 15:00	07/11/25 15:50	New York

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-94536.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 480-231016-2
Address: 2425 New Holland Pike, ,	Due Date Requested: 8/27/2025			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 9 Lakeview Avenue Site,	Project #: 48028950			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060ACHromium, Hexavalent	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TP-14 2-4 (480-231016-1)	7/11/25	10:30 Eastern	G	Solid			X	1	
TP-12 3-5 (480-231016-3)	7/11/25	12:30 Eastern	G	Solid			X	1	
TP-13 3-5 (480-231016-4)	7/11/25	13:00 Eastern	G	Solid			X	1	
TP-15 2-3 (480-231016-5)	7/11/25	12:00 Eastern	G	Solid			X	1	
Exp-2 2-4 (480-231016-6)	7/11/25	15:00 Eastern	G	Solid			X	1	

Analysis Requested

Preservation Codes: -

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
KS	8-19-25 1600				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		21.1-C1.1

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-231016-2

Login Number: 231016

List Source: Eurofins Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.7 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZE 7-12-25 10:20
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	LaBella
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-231016-2

Login Number: 231016
List Number: 3
Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 08/20/25 11:26 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Adam Zebrowski
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 8/27/2025 11:17:21 AM

JOB DESCRIPTION

9 Lakeview Avenue Site,

JOB NUMBER

480-231828-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
8/27/2025 11:17:21 AM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
^5+	Linear Range Check (LRC) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-231828-1

Receipt
The samples were received on 8/13/2025 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.5º C and 8.2º C.

Receipt Exceptions

Terracore vials frozen by client/sampler prior to receipt at lab. Refer to notations on coc for dates/ time of freezing,

MW-1 10-12 (480-231828-1), MW-2 6-8 (480-231828-2), MW-2 10-12 (480-231828-3), MW-3 4-6 (480-231828-4), MW-4 8-10 (480-231828-5), MW-4 24-26 (480-231828-6) and MW-5 4-6 (480-231828-7)

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The following sample was diluted due to color, appearance, and viscosity: SB-03 0-2 (480-231828-11). Elevated reporting limits (RL) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010D: The linear range check (LRC) standard recovery associated with 480-754694 is outside the acceptance criteria for the following analytes: Silver, Arsenic and Copper. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

LCMS
Methods 1633, 1633A: The low level continuing calibration verification (CCVL) associated with batch 240-668147 recovered outside of control limits for IDA compound(s) d9-N-EtFOSE-M. Section 14.3.3 of the finalized EPA 1633 states that the recovery of target analytes for the CCV(s) must be within 70 - 130%, unless the analyte is not of concern for a given project. Since target analytes associated with this IDA are within spec, data is reported.

Methods 1633, 1633A: The continuing calibration verification (CCV) recovered outside of control limits for IDA compound(s) d3-NMeFOSAA, d5-NEtFOSAA and d9-N-EtFOSE-M. Section 14.3.3 of the finalized EPA 1633 states that the recovery of target analytes for the CCV(s) must be within 70 - 130%, unless the analyte is not of concern for a given project. Since target analytes associated with this IDA are within spec, data is reported. The following samples are impacted: (CCV 240-668147/15) and (CCV 240-668147/2).

Method 1633A: The continuing calibration verification (CCV) recovered outside of control limits for IDA compound(s) d3-NMeFOSAA and d5-NEtFOSAA. Section 14.3.3 of the finalized EPA 1633 states that the recovery of target analytes for the CCV(s) must be within 70 - 130%, unless the analyte is not of concern for a given project. Since target analytes associated with this IDA are within spec, data is reported. The following samples are impacted: MW-1 10-12 (480-231828-1), MW-2 6-8 (480-231828-2), MW-3 4-6 (480-231828-4), MW-4 24-26 (480-231828-6), MW-5 4-6 (480-231828-7) and (CCV 240-668147/27).

Methods 1633, 1633A: Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MW-2 6-8 (480-231828-2), MW-3 4-6 (480-231828-4), MW-4 24-26 (480-231828-6) and MW-5 4-6 (480-231828-7). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-1 10-12

Lab Sample ID: 480-231828-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
delta-BHC	0.85	J	3.8	0.70	ug/Kg	1	☼	8081B	Total/NA
Aluminum	15500		12.1	10.4	mg/Kg	1	☼	6010D	Total/NA
Arsenic	2.3	J ^5+	2.4	1.1	mg/Kg	1	☼	6010D	Total/NA
Barium	93.1		0.60	0.17	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.67		0.24	0.048	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.17	J	0.24	0.085	mg/Kg	1	☼	6010D	Total/NA
Calcium	58100		60.4	32.6	mg/Kg	1	☼	6010D	Total/NA
Chromium	19.4		0.60	0.44	mg/Kg	1	☼	6010D	Total/NA
Cobalt	8.3		0.60	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	15.2	^5+	1.2	0.69	mg/Kg	1	☼	6010D	Total/NA
Iron	18000		12.1	10.2	mg/Kg	1	☼	6010D	Total/NA
Lead	13.2		1.2	0.56	mg/Kg	1	☼	6010D	Total/NA
Magnesium	23600		24.2	10.2	mg/Kg	1	☼	6010D	Total/NA
Manganese	407		1.2	0.34	mg/Kg	1	☼	6010D	Total/NA
Nickel	19.9		6.0	0.30	mg/Kg	1	☼	6010D	Total/NA
Potassium	5310		36.3	29.3	mg/Kg	1	☼	6010D	Total/NA
Silver	0.25	J ^5-	0.73	0.24	mg/Kg	1	☼	6010D	Total/NA
Sodium	353		169	74.1	mg/Kg	1	☼	6010D	Total/NA
Vanadium	31.4		0.60	0.16	mg/Kg	1	☼	6010D	Total/NA
Zinc	57.4		2.4	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.014	J	0.023	0.0054	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: MW-2 6-8

Lab Sample ID: 480-231828-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	17	2.9	ug/Kg	1	☼	8260C	Total/NA
Anthracene	74	J	200	36	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	170	J	200	27	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	130	J	200	33	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	170	J	200	26	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	71	J	200	34	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	61	J	200	44	ug/Kg	1	☼	8270D	Total/NA
Carbazole	60	J	200	38	ug/Kg	1	☼	8270D	Total/NA
Chrysene	170	J	200	47	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	400		200	36	ug/Kg	1	☼	8270D	Total/NA
Fluorene	37	J	200	36	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	73	J	200	29	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	460		200	37	ug/Kg	1	☼	8270D	Total/NA
Pyrene	310		200	37	ug/Kg	1	☼	8270D	Total/NA
4,4'-DDT	1.3	J	3.9	0.91	ug/Kg	1	☼	8081B	Total/NA
Perfluorobutanoic acid (PFBA)	0.27	J	0.46	0.12	ng/g	1	☼	1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	2.0		0.23	0.093	ng/g	1	☼	1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	0.75		0.23	0.058	ng/g	1	☼	1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.095	J	0.23	0.058	ng/g	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.062	J	0.23	0.058	ng/g	1	☼	1633A	Total/NA
Aluminum	16700		12.0	10.4	mg/Kg	1	☼	6010D	Total/NA
Arsenic	3.7	^5+	2.4	1.1	mg/Kg	1	☼	6010D	Total/NA
Barium	96.9		0.60	0.17	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.70		0.24	0.048	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.18	J	0.24	0.084	mg/Kg	1	☼	6010D	Total/NA
Calcium	61500		60.1	32.4	mg/Kg	1	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: MW-2 6-8 (Continued)

Lab Sample ID: 480-231828-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	19.7		0.60	0.43	mg/Kg	1	☼	6010D	Total/NA
Cobalt	9.4		0.60	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	18.0	^5+	1.2	0.68	mg/Kg	1	☼	6010D	Total/NA
Iron	19900		12.0	10.2	mg/Kg	1	☼	6010D	Total/NA
Lead	16.7		1.2	0.55	mg/Kg	1	☼	6010D	Total/NA
Magnesium	22800		24.0	10.2	mg/Kg	1	☼	6010D	Total/NA
Manganese	472		1.2	0.34	mg/Kg	1	☼	6010D	Total/NA
Nickel	21.1		6.0	0.30	mg/Kg	1	☼	6010D	Total/NA
Potassium	5530		36.0	29.1	mg/Kg	1	☼	6010D	Total/NA
Silver	0.24	J ^5-	0.72	0.24	mg/Kg	1	☼	6010D	Total/NA
Sodium	282		168	73.7	mg/Kg	1	☼	6010D	Total/NA
Vanadium	30.9		0.60	0.16	mg/Kg	1	☼	6010D	Total/NA
Zinc	59.9		2.4	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.016	J	0.024	0.0055	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: MW-2 10-12

Lab Sample ID: 480-231828-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.1	J	18	1.3	ug/Kg	1	☼	8260C	Total/NA
Acetone	35		18	3.0	ug/Kg	1	☼	8260C	Total/NA
delta-BHC	0.98	J	3.8	0.70	ug/Kg	1	☼	8081B	Total/NA
Endosulfan sulfate	1.6	J	3.8	0.71	ug/Kg	1	☼	8081B	Total/NA
Aluminum	15800		12.0	10.3	mg/Kg	1	☼	6010D	Total/NA
Arsenic	3.7	^5+	2.4	1.1	mg/Kg	1	☼	6010D	Total/NA
Barium	90.6		0.60	0.17	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.67		0.24	0.048	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.22	J	0.24	0.084	mg/Kg	1	☼	6010D	Total/NA
Calcium	70700		59.9	32.3	mg/Kg	1	☼	6010D	Total/NA
Chromium	18.7		0.60	0.43	mg/Kg	1	☼	6010D	Total/NA
Cobalt	9.2		0.60	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	14.0	^5+	1.2	0.68	mg/Kg	1	☼	6010D	Total/NA
Iron	18900		12.0	10.2	mg/Kg	1	☼	6010D	Total/NA
Lead	14.8		1.2	0.55	mg/Kg	1	☼	6010D	Total/NA
Magnesium	21900		23.9	10.2	mg/Kg	1	☼	6010D	Total/NA
Manganese	447		1.2	0.34	mg/Kg	1	☼	6010D	Total/NA
Nickel	19.8		6.0	0.30	mg/Kg	1	☼	6010D	Total/NA
Potassium	5240		35.9	29.0	mg/Kg	1	☼	6010D	Total/NA
Sodium	255		168	73.4	mg/Kg	1	☼	6010D	Total/NA
Vanadium	28.7		0.60	0.16	mg/Kg	1	☼	6010D	Total/NA
Zinc	57.9		2.4	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.015	J	0.024	0.0054	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: MW-3 4-6

Lab Sample ID: 480-231828-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.1	J	18	1.3	ug/Kg	1	☼	8260C	Total/NA
Acetone	18		18	3.1	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	41	J	190	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	97	J	190	26	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	92	J	190	32	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	140	J	190	25	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	53	J	190	33	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-3 4-6 (Continued)
Lab Sample ID: 480-231828-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[k]fluoranthene	44	J	190	42	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	50	J	190	41	ug/Kg	1	☼	8270D	Total/NA
Chrysene	100	J	190	45	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	210		190	34	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	54	J	190	28	ug/Kg	1	☼	8270D	Total/NA
Pyrene	180	J	190	36	ug/Kg	1	☼	8270D	Total/NA
Endosulfan sulfate	1.3	J	3.8	0.71	ug/Kg	1	☼	8081B	Total/NA
Aluminum	15700		11.5	9.9	mg/Kg	1	☼	6010D	Total/NA
Arsenic	4.1	^5+	2.3	1.0	mg/Kg	1	☼	6010D	Total/NA
Barium	92.7		0.57	0.16	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.69		0.23	0.046	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.22	J	0.23	0.080	mg/Kg	1	☼	6010D	Total/NA
Calcium	59200		57.3	31.0	mg/Kg	1	☼	6010D	Total/NA
Chromium	19.2		0.57	0.41	mg/Kg	1	☼	6010D	Total/NA
Cobalt	9.1		0.57	0.11	mg/Kg	1	☼	6010D	Total/NA
Copper	31.0	^5+	1.1	0.65	mg/Kg	1	☼	6010D	Total/NA
Iron	19800		11.5	9.7	mg/Kg	1	☼	6010D	Total/NA
Lead	20.1		1.1	0.53	mg/Kg	1	☼	6010D	Total/NA
Magnesium	21600		22.9	9.7	mg/Kg	1	☼	6010D	Total/NA
Manganese	508		1.1	0.32	mg/Kg	1	☼	6010D	Total/NA
Nickel	20.1		5.7	0.29	mg/Kg	1	☼	6010D	Total/NA
Potassium	4880		34.4	27.8	mg/Kg	1	☼	6010D	Total/NA
Silver	0.26	J ^5-	0.69	0.23	mg/Kg	1	☼	6010D	Total/NA
Sodium	263		161	70.3	mg/Kg	1	☼	6010D	Total/NA
Vanadium	29.8		0.57	0.15	mg/Kg	1	☼	6010D	Total/NA
Zinc	63.2		2.3	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.017	J	0.023	0.0054	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: MW-4 8-10
Lab Sample ID: 480-231828-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	16600		11.9	10.3	mg/Kg	1	☼	6010D	Total/NA
Arsenic	2.4	^5+	2.4	1.0	mg/Kg	1	☼	6010D	Total/NA
Barium	95.6		0.60	0.17	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.70		0.24	0.048	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.15	J	0.24	0.084	mg/Kg	1	☼	6010D	Total/NA
Calcium	57400		59.7	32.2	mg/Kg	1	☼	6010D	Total/NA
Chromium	20.7		0.60	0.43	mg/Kg	1	☼	6010D	Total/NA
Cobalt	8.3		0.60	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	15.5	^5+	1.2	0.68	mg/Kg	1	☼	6010D	Total/NA
Iron	19400		11.9	10.1	mg/Kg	1	☼	6010D	Total/NA
Lead	13.7		1.2	0.55	mg/Kg	1	☼	6010D	Total/NA
Magnesium	20200		23.9	10.1	mg/Kg	1	☼	6010D	Total/NA
Manganese	404		1.2	0.33	mg/Kg	1	☼	6010D	Total/NA
Nickel	20.6		6.0	0.30	mg/Kg	1	☼	6010D	Total/NA
Potassium	5460		35.8	28.9	mg/Kg	1	☼	6010D	Total/NA
Sodium	307		167	73.2	mg/Kg	1	☼	6010D	Total/NA
Vanadium	31.1		0.60	0.16	mg/Kg	1	☼	6010D	Total/NA
Zinc	60.5		2.4	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.015	J	0.024	0.0056	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-4 24-26 — Lab Sample ID: 480-231828-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.2	J	20	1.4	ug/Kg	1	☼	8260C	Total/NA
Acetone	17	J	20	3.3	ug/Kg	1	☼	8260C	Total/NA
Aluminum	12000		11.8	10.2	mg/Kg	1	☼	6010D	Total/NA
Arsenic	3.0	^5+	2.4	1.0	mg/Kg	1	☼	6010D	Total/NA
Barium	77.3		0.59	0.17	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.51		0.24	0.047	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.15	J	0.24	0.083	mg/Kg	1	☼	6010D	Total/NA
Calcium	53100		58.9	31.8	mg/Kg	1	☼	6010D	Total/NA
Chromium	19.8		0.59	0.42	mg/Kg	1	☼	6010D	Total/NA
Cobalt	8.3		0.59	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	15.3	^5+	1.2	0.67	mg/Kg	1	☼	6010D	Total/NA
Iron	15600		11.8	10	mg/Kg	1	☼	6010D	Total/NA
Lead	28.9		1.2	0.54	mg/Kg	1	☼	6010D	Total/NA
Magnesium	20200		23.6	10	mg/Kg	1	☼	6010D	Total/NA
Manganese	366		1.2	0.33	mg/Kg	1	☼	6010D	Total/NA
Nickel	15.7		5.9	0.29	mg/Kg	1	☼	6010D	Total/NA
Potassium	4050		35.4	28.6	mg/Kg	1	☼	6010D	Total/NA
Silver	0.39	J ^5-	0.71	0.24	mg/Kg	1	☼	6010D	Total/NA
Sodium	240		165	72.3	mg/Kg	1	☼	6010D	Total/NA
Vanadium	24.1		0.59	0.15	mg/Kg	1	☼	6010D	Total/NA
Zinc	56.6		2.4	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.13		0.024	0.0056	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: MW-5 4-6 — Lab Sample ID: 480-231828-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endosulfan sulfate	1.0	J	3.8	0.71	ug/Kg	1	☼	8081B	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.15	J	0.23	0.057	ng/g	1	☼	1633A	Total/NA
Aluminum	22600		11.7	10.1	mg/Kg	1	☼	6010D	Total/NA
Arsenic	3.1	^5+	2.3	1.0	mg/Kg	1	☼	6010D	Total/NA
Barium	127		0.58	0.16	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.88		0.23	0.047	mg/Kg	1	☼	6010D	Total/NA
Calcium	26700		58.4	31.5	mg/Kg	1	☼	6010D	Total/NA
Chromium	25.4		0.58	0.42	mg/Kg	1	☼	6010D	Total/NA
Cobalt	7.9		0.58	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	19.4	^5+	1.2	0.67	mg/Kg	1	☼	6010D	Total/NA
Iron	22300		11.7	9.9	mg/Kg	1	☼	6010D	Total/NA
Lead	20.0		1.2	0.54	mg/Kg	1	☼	6010D	Total/NA
Magnesium	16800		23.4	9.9	mg/Kg	1	☼	6010D	Total/NA
Manganese	237		1.2	0.33	mg/Kg	1	☼	6010D	Total/NA
Nickel	21.7		5.8	0.29	mg/Kg	1	☼	6010D	Total/NA
Potassium	4880		35.1	28.3	mg/Kg	1	☼	6010D	Total/NA
Silver	0.26	J ^5-	0.70	0.23	mg/Kg	1	☼	6010D	Total/NA
Sodium	211		164	71.7	mg/Kg	1	☼	6010D	Total/NA
Vanadium	37.0		0.58	0.15	mg/Kg	1	☼	6010D	Total/NA
Zinc	81.1		2.3	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.021	J	0.023	0.0053	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-01 6-8 — Lab Sample ID: 480-231828-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	40	J	190	34	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: SB-01 6-8 (Continued)

Lab Sample ID: 480-231828-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8660		11.1	9.6	mg/Kg	1	☼	6010D	Total/NA
Arsenic	2.2	^5+	2.2	0.98	mg/Kg	1	☼	6010D	Total/NA
Barium	52.2		0.56	0.16	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.36		0.22	0.044	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.11	J	0.22	0.078	mg/Kg	1	☼	6010D	Total/NA
Calcium	53700		55.5	30.0	mg/Kg	1	☼	6010D	Total/NA
Chromium	11.0		0.56	0.40	mg/Kg	1	☼	6010D	Total/NA
Cobalt	4.5		0.56	0.11	mg/Kg	1	☼	6010D	Total/NA
Copper	10.0	^5+	1.1	0.63	mg/Kg	1	☼	6010D	Total/NA
Iron	11700		11.1	9.4	mg/Kg	1	☼	6010D	Total/NA
Lead	14.3		1.1	0.51	mg/Kg	1	☼	6010D	Total/NA
Magnesium	22300		22.2	9.4	mg/Kg	1	☼	6010D	Total/NA
Manganese	304		1.1	0.31	mg/Kg	1	☼	6010D	Total/NA
Nickel	10		5.6	0.28	mg/Kg	1	☼	6010D	Total/NA
Potassium	2750		33.3	26.9	mg/Kg	1	☼	6010D	Total/NA
Sodium	244		155	68.1	mg/Kg	1	☼	6010D	Total/NA
Vanadium	19.7		0.56	0.14	mg/Kg	1	☼	6010D	Total/NA
Zinc	41.0		2.2	1.1	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.015	J	0.024	0.0055	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-02 10-12

Lab Sample ID: 480-231828-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13	J	16	2.7	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	6.4		3.3	0.42	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	27		3.3	0.44	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	12		3.3	0.72	ug/Kg	1	☼	8260C	Total/NA
Benzo[b]fluoranthene	31	J	200	26	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	41	J	200	35	ug/Kg	1	☼	8270D	Total/NA
Aluminum	14400		11.8	10.2	mg/Kg	1	☼	6010D	Total/NA
Arsenic	3.2	^5+	2.4	1.0	mg/Kg	1	☼	6010D	Total/NA
Barium	69.3		0.59	0.17	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.60		0.24	0.047	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.19	J	0.24	0.083	mg/Kg	1	☼	6010D	Total/NA
Calcium	57900		59.2	32.0	mg/Kg	1	☼	6010D	Total/NA
Chromium	18.0		0.59	0.43	mg/Kg	1	☼	6010D	Total/NA
Cobalt	8.1		0.59	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	14.1	^5+	1.2	0.68	mg/Kg	1	☼	6010D	Total/NA
Iron	17300		11.8	10.0	mg/Kg	1	☼	6010D	Total/NA
Lead	13.0		1.2	0.54	mg/Kg	1	☼	6010D	Total/NA
Magnesium	21500		23.7	10.0	mg/Kg	1	☼	6010D	Total/NA
Manganese	403		1.2	0.33	mg/Kg	1	☼	6010D	Total/NA
Nickel	18.2		5.9	0.30	mg/Kg	1	☼	6010D	Total/NA
Potassium	4820		35.5	28.7	mg/Kg	1	☼	6010D	Total/NA
Sodium	286		166	72.6	mg/Kg	1	☼	6010D	Total/NA
Vanadium	28.1		0.59	0.15	mg/Kg	1	☼	6010D	Total/NA
Zinc	56.8		2.4	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.0097	J	0.023	0.0053	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: SB-03 2-4 — Lab Sample ID: 480-231828-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	21000		12.0	10.3	mg/Kg	1	☼	6010D	Total/NA
Arsenic	4.1	^5+	2.4	1.1	mg/Kg	1	☼	6010D	Total/NA
Barium	111		0.60	0.17	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.95		0.24	0.048	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.20	J	0.24	0.084	mg/Kg	1	☼	6010D	Total/NA
Calcium	3660		60.0	32.4	mg/Kg	1	☼	6010D	Total/NA
Chromium	25.4		0.60	0.43	mg/Kg	1	☼	6010D	Total/NA
Cobalt	15.8		0.60	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	21.4	^5+	1.2	0.68	mg/Kg	1	☼	6010D	Total/NA
Iron	26600		12.0	10.2	mg/Kg	1	☼	6010D	Total/NA
Lead	23.2		1.2	0.55	mg/Kg	1	☼	6010D	Total/NA
Magnesium	5440		24.0	10.2	mg/Kg	1	☼	6010D	Total/NA
Manganese	916		1.2	0.34	mg/Kg	1	☼	6010D	Total/NA
Nickel	25.9		6.0	0.30	mg/Kg	1	☼	6010D	Total/NA
Potassium	4530		36.0	29.1	mg/Kg	1	☼	6010D	Total/NA
Silver	0.26	J ^5-	0.72	0.24	mg/Kg	1	☼	6010D	Total/NA
Sodium	114	J	168	73.6	mg/Kg	1	☼	6010D	Total/NA
Vanadium	37.2		0.60	0.16	mg/Kg	1	☼	6010D	Total/NA
Zinc	90.0		2.4	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.028		0.026	0.0059	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-03 0-2 — Lab Sample ID: 480-231828-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	0.35	J	4.4	0.29	ug/Kg	1	☼	8260C	Total/NA
2-Butanone (MEK)	2.9	J	22	1.6	ug/Kg	1	☼	8260C	Total/NA
Acetone	30		22	3.7	ug/Kg	1	☼	8260C	Total/NA
Benzene	1.3	J	4.4	0.22	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	0.71	J	4.4	0.62	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	1.6	J	4.4	0.67	ug/Kg	1	☼	8260C	Total/NA
m,p-Xylene	0.87	J	8.9	0.74	ug/Kg	1	☼	8260C	Total/NA
Toluene	2.3	J	4.4	0.33	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	0.87	J	8.9	0.74	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	450	J	1800	280	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	540	J	1800	250	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	900	J	1800	300	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	890	J	1800	240	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1300	J	1800	310	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	400	J	1800	400	ug/Kg	10	☼	8270D	Total/NA
Chrysene	850	J	1800	430	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	1400	J	1800	330	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	670	J	1800	270	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	940	J	1800	330	ug/Kg	10	☼	8270D	Total/NA
Pyrene	1400	J	1800	340	ug/Kg	10	☼	8270D	Total/NA
Aluminum	9100		11.2	9.7	mg/Kg	1	☼	6010D	Total/NA
Arsenic	10.7	^5+	2.2	0.99	mg/Kg	1	☼	6010D	Total/NA
Barium	180		0.56	0.16	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.66		0.22	0.045	mg/Kg	1	☼	6010D	Total/NA
Cadmium	1.9		0.22	0.079	mg/Kg	1	☼	6010D	Total/NA
Calcium	77600		56.1	30.3	mg/Kg	1	☼	6010D	Total/NA
Chromium	449		0.56	0.40	mg/Kg	1	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: SB-03 0-2 (Continued)

Lab Sample ID: 480-231828-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	12.8		0.56	0.11	mg/Kg	1	☼	6010D	Total/NA
Copper	81.6	^5+	1.1	0.64	mg/Kg	1	☼	6010D	Total/NA
Iron	49400		11.2	9.5	mg/Kg	1	☼	6010D	Total/NA
Lead	683		1.1	0.52	mg/Kg	1	☼	6010D	Total/NA
Magnesium	12200		22.4	9.5	mg/Kg	1	☼	6010D	Total/NA
Manganese	12800		56.1	15.7	mg/Kg	50	☼	6010D	Total/NA
Nickel	39.5		5.6	0.28	mg/Kg	1	☼	6010D	Total/NA
Potassium	644		33.7	27.2	mg/Kg	1	☼	6010D	Total/NA
Silver	2.4	^5-	0.67	0.22	mg/Kg	1	☼	6010D	Total/NA
Sodium	301		157	68.8	mg/Kg	1	☼	6010D	Total/NA
Vanadium	70.9		0.56	0.15	mg/Kg	1	☼	6010D	Total/NA
Zinc	194		2.2	1.1	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.067		0.022	0.0050	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-1 10-12
Date Collected: 08/11/25 00:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-1
Matrix: Solid
Percent Solids: 87.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.6	0.26	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
1,1,2,2-Tetrachloroethane	ND		3.6	0.58	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.6	0.81	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
1,1,2-Trichloroethane	ND		3.6	0.46	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
1,1-Dichloroethane	ND		3.6	0.43	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
1,1-Dichloroethene	ND		3.6	0.43	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
1,2,4-Trichlorobenzene	ND		3.6	0.22	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
1,2,4-Trimethylbenzene	ND		3.6	0.68	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
1,2-Dibromo-3-Chloropropane	ND		3.6	1.8	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
1,2-Dichlorobenzene	ND		3.6	0.28	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
1,2-Dichloroethane	ND		3.6	0.18	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
1,2-Dichloropropane	ND		3.6	1.8	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
1,3,5-Trimethylbenzene	ND		3.6	0.23	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
1,3-Dichlorobenzene	ND		3.6	0.18	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
1,4-Dichlorobenzene	ND		3.6	0.50	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
2-Butanone (MEK)	ND		18	1.3	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
2-Hexanone	ND		18	1.8	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
4-Isopropyltoluene	ND		3.6	0.28	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
4-Methyl-2-pentanone (MIBK)	ND		18	1.2	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Acetone	ND		18	3.0	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Benzene	ND		3.6	0.17	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Bromoform	ND		3.6	1.8	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Bromomethane	ND		3.6	0.32	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Carbon disulfide	ND		3.6	1.8	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Carbon tetrachloride	ND		3.6	0.34	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Chlorobenzene	ND		3.6	0.47	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Dibromochloromethane	ND		3.6	0.45	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Chloroethane	ND		3.6	0.80	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Chloroform	ND		3.6	0.22	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Chloromethane	ND		3.6	0.21	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
cis-1,2-Dichloroethene	ND		3.6	0.45	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Cyclohexane	ND		3.6	0.50	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Bromodichloromethane	ND		3.6	0.48	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Dichlorodifluoromethane	ND		3.6	0.29	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Ethylbenzene	ND		3.6	0.25	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
1,2-Dibromoethane	ND		3.6	0.46	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Isopropylbenzene	ND		3.6	0.54	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Methyl acetate	ND		18	2.1	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Methyl tert-butyl ether	ND		3.6	0.35	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Methylcyclohexane	ND		3.6	0.54	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Methylene Chloride	ND		3.6	1.6	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
m,p-Xylene	ND		7.1	0.60	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Naphthalene	ND		3.6	0.48	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
n-Butylbenzene	ND		3.6	0.31	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
N-Propylbenzene	ND		3.6	0.28	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
o-Xylene	ND		3.6	0.46	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
sec-Butylbenzene	ND		3.6	0.31	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Tetrachloroethene	ND		3.6	0.48	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Toluene	ND		3.6	0.27	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1

Client Sample ID: MW-1 10-12
Date Collected: 08/11/25 00:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-1
Matrix: Solid
Percent Solids: 87.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.6	0.37	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
trans-1,3-Dichloropropene	ND		3.6	1.6	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Trichloroethene	ND		3.6	0.78	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Trichlorofluoromethane	ND		3.6	0.34	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Vinyl chloride	ND		3.6	0.43	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Xylenes, Total	ND		7.1	0.60	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
cis-1,3-Dichloropropene	ND		3.6	0.51	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
Styrene	ND		3.6	0.18	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1
tert-Butylbenzene	ND		3.6	0.37	ug/Kg	☼	08/14/25 14:45	08/15/25 03:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H H3*	*ug/Kg*	☼		*N/A*	*08/14/25 14:45*	*08/15/25 03:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*64 - 126*	*08/14/25 14:45*	*08/15/25 03:00*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 126*	*08/14/25 14:45*	*08/15/25 03:00*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*08/14/25 14:45*	*08/15/25 03:00*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*08/14/25 14:45*	*08/15/25 03:00*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		110	42	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
2,4,5-Trichlorophenol	ND		190	38	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
2,4,6-Trichlorophenol	ND		190	29	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
2,4-Dichlorophenol	ND		190	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
2,4-Dimethylphenol	ND		190	40	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
2,4-Dinitrophenol	ND		1900	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
2,4-Dinitrotoluene	ND		190	26	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
2,6-Dinitrotoluene	ND		190	27	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
2-Chloronaphthalene	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
2-Chlorophenol	ND		190	30	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
2-Methylnaphthalene	ND		190	30	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
2-Methylphenol	ND		190	31	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
2-Nitroaniline	ND		370	32	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
2-Nitrophenol	ND		190	21	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
3,3'-Dichlorobenzidine	ND		370	55	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
3-Nitroaniline	ND		370	27	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
4,6-Dinitro-2-methylphenol	ND		370	42	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
4-Bromophenyl phenyl ether	ND		190	32	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
4-Chloro-3-methylphenol	ND		190	39	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
4-Chloroaniline	ND		190	27	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
4-Chlorophenyl phenyl ether	ND		190	40	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
4-Methylphenol	ND		370	34	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
4-Nitroaniline	ND		370	28	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
4-Nitrophenol	ND		370	52	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Acenaphthene	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Acenaphthylene	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Acetophenone	ND		190	33	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Anthracene	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Atrazine	ND		190	64	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1

Client Sample ID: MW-1 10-12
Date Collected: 08/11/25 00:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-1
Matrix: Solid
Percent Solids: 87.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		190	140	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Benzo[a]anthracene	ND		190	26	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Benzo[a]pyrene	ND		190	32	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Benzo[b]fluoranthene	ND		190	25	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Benzo[g,h,i]perylene	ND		190	33	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Benzo[k]fluoranthene	ND		190	42	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Biphenyl	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
bis (2-chloroisopropyl) ether	ND		190	39	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Bis(2-chloroethoxy)methane	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Bis(2-chloroethyl)ether	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Bis(2-ethylhexyl) phthalate	ND		190	41	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Butyl benzyl phthalate	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Caprolactam	ND		190	44	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Carbazole	ND		190	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Chrysene	ND		190	46	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Dibenz(a,h)anthracene	ND		190	38	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Dibenzofuran	ND		190	33	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Diethyl phthalate	ND		190	34	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Dimethyl phthalate	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Di-n-butyl phthalate	ND		190	42	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Di-n-octyl phthalate	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Fluoranthene	ND		190	34	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Fluorene	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Hexachlorobenzene	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Hexachlorobutadiene	ND		190	28	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Hexachlorocyclopentadiene	ND		370	83	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Hexachloroethane	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Indeno[1,2,3-cd]pyrene	ND		190	28	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Isophorone	ND		190	39	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Naphthalene	ND		190	31	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Nitrobenzene	ND		190	32	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
N-Nitrosodi-n-propylamine	ND		190	42	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
N-Nitrosodiphenylamine	ND		190	32	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Pentachlorophenol	ND		370	60	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Phenanthrene	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Phenol	ND		190	34	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1
Pyrene	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5900*	*T J*	*ug/Kg*	☼	*1.97*	*N/A*	*08/15/25 06:57*	*08/18/25 18:05*	*1*
Unknown	*1600*	*T J*	*ug/Kg*	☼	*3.43*	*N/A*	*08/15/25 06:57*	*08/18/25 18:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*10 - 140*	*08/15/25 06:57*	*08/18/25 18:05*	*1*
2-Fluorobiphenyl (Surr)	*79*		*29 - 120*	*08/15/25 06:57*	*08/18/25 18:05*	*1*
2-Fluorophenol (Surr)	*73*		*18 - 120*	*08/15/25 06:57*	*08/18/25 18:05*	*1*
Nitrobenzene-d5 (Surr)	*77*		*22 - 120*	*08/15/25 06:57*	*08/18/25 18:05*	*1*
Phenol-d5 (Surr)	*73*		*23 - 120*	*08/15/25 06:57*	*08/18/25 18:05*	*1*
p-Terphenyl-d14 (Surr)	*88*		*28 - 124*	*08/15/25 06:57*	*08/18/25 18:05*	*1*

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-1 10-12
Date Collected: 08/11/25 00:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-1
Matrix: Solid
Percent Solids: 87.0

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.8	0.74	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
4,4'-DDE	ND		3.8	0.80	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
4,4'-DDT	ND		3.8	0.89	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
Aldrin	ND		3.8	0.93	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
alpha-BHC	ND		3.8	0.68	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
cis-Chlordane	ND		3.8	1.9	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
beta-BHC	ND		3.8	0.68	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
delta-BHC	**0.85**	**J**	3.8	0.70	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
Dieldrin	ND		3.8	0.91	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
Endosulfan I	ND		3.8	0.73	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
Endosulfan II	ND		3.8	0.68	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
Endosulfan sulfate	ND		3.8	0.71	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
Endrin	ND		3.8	0.75	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
Endrin aldehyde	ND		3.8	0.97	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
Endrin ketone	ND		3.8	0.93	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
gamma-BHC (Lindane)	ND		3.8	0.70	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
trans-Chlordane	ND		3.8	1.2	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
Heptachlor	ND		3.8	0.82	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
Heptachlor epoxide	ND		3.8	0.98	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
Methoxychlor	ND		3.8	0.77	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1
Toxaphene	ND		38	22	ug/Kg	☼	08/18/25 13:17	08/19/25 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*45 - 120*	*08/18/25 13:17*	*08/19/25 11:36*	*1*
DCB Decachlorobiphenyl	*97*		*45 - 120*	*08/18/25 13:17*	*08/19/25 11:36*	*1*
Tetrachloro-m-xylene	*75*		*30 - 124*	*08/18/25 13:17*	*08/19/25 11:36*	*1*
Tetrachloro-m-xylene	*80*		*30 - 124*	*08/18/25 13:17*	*08/19/25 11:36*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.043	mg/Kg	☼	08/18/25 11:08	08/19/25 12:06	1
PCB-1221	ND		0.22	0.043	mg/Kg	☼	08/18/25 11:08	08/19/25 12:06	1
PCB-1232	ND		0.22	0.043	mg/Kg	☼	08/18/25 11:08	08/19/25 12:06	1
PCB-1242	ND		0.22	0.043	mg/Kg	☼	08/18/25 11:08	08/19/25 12:06	1
PCB-1248	ND		0.22	0.043	mg/Kg	☼	08/18/25 11:08	08/19/25 12:06	1
PCB-1254	ND		0.22	0.10	mg/Kg	☼	08/18/25 11:08	08/19/25 12:06	1
PCB-1260	ND		0.22	0.10	mg/Kg	☼	08/18/25 11:08	08/19/25 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*137*		*60 - 154*	*08/18/25 11:08*	*08/19/25 12:06*	*1*
Tetrachloro-m-xylene	*128*		*60 - 154*	*08/18/25 11:08*	*08/19/25 12:06*	*1*
DCB Decachlorobiphenyl	*155*		*65 - 174*	*08/18/25 11:08*	*08/19/25 12:06*	*1*
DCB Decachlorobiphenyl	*128*		*65 - 174*	*08/18/25 11:08*	*08/19/25 12:06*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		19	6.0	ug/Kg	☼	08/15/25 11:47	08/20/25 17:39	1
Silvex (2,4,5-TP)	ND		19	6.8	ug/Kg	☼	08/15/25 11:47	08/20/25 17:39	1
2,4-D	ND		19	12	ug/Kg	☼	08/15/25 11:47	08/20/25 17:39	1
Dichlorprop	ND		19	9.4	ug/Kg	☼	08/15/25 11:47	08/20/25 17:39	1

Client Sample ID: MW-1 10-12
Date Collected: 08/11/25 00:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-1
Matrix: Solid
Percent Solids: 87.0

Method: SW846 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		19	6.1	ug/Kg	☼	08/15/25 11:47	08/20/25 17:39	1
Picloram	ND		19	8.1	ug/Kg	☼	08/15/25 11:47	08/20/25 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*68*		*28 - 129*	*08/15/25 11:47*	*08/20/25 17:39*	*1*
2,4-Dichlorophenylacetic acid	*65*		*28 - 129*	*08/15/25 11:47*	*08/20/25 17:39*	*1*

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.46	0.12	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.093	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.13	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluorononanesulfonic acid (PFNS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.46	0.12	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.46	0.12	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.46	0.12	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.062	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.2	0.29	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.2	0.29	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-1 10-12
Date Collected: 08/11/25 00:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-1
Matrix: Solid
Percent Solids: 87.0

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.46	0.12	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.2	0.29	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.2	0.29	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 01:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*117*		*8 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C5 PFPeA	*115*		*35 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C5 PFHxA	*103*		*40 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C4 PFHpA	*110*		*40 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C8 PFOA	*115*		*40 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C9 PFNA	*107*		*40 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C6 PFDA	*94.9*		*40 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C7 PFUnA	*95.9*		*40 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C2 PFTeDA	*96.0*		*20 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C3 PFBS	*107*		*40 - 135*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C3 PFHxS	*101*		*40 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C8 PFOS	*99.5*		*40 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C8 FOSA	*100*		*40 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
d3-NMeFOSAA	*112*		*40 - 135*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
d5-NEtFOSAA	*121*		*40 - 150*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C2 4:2 FTS	*103*		*40 - 165*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C2 6:2 FTS	*100*		*40 - 215*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C2 8:2 FTS	*101*		*40 - 275*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C3 HFPO-DA	*107*		*40 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
d7-N-MeFOSE-M	*68.5*		*20 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
d9-N-EtFOSE-M	*76.1*		*15 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
d5-NEtPFOSA	*87.7*		*10 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
d3-NMePFOSA	*86.1*		*10 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C2-PFDoA	*106*		*40 - 130*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C3-PFPrS	*108*		*20 - 150*	*08/18/25 09:34*	*08/19/25 01:53*	*1*
13C2 10:2 FTS	*107*		*40 - 275*	*08/18/25 09:34*	*08/19/25 01:53*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15500**		12.1	10.4	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Antimony	ND		18.1	0.64	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Arsenic	**2.3**	**J ^5+**	2.4	1.1	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-1 10-12
Date Collected: 08/11/25 00:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-1
Matrix: Solid
Percent Solids: 87.0

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	93.1		0.60	0.17	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Beryllium	0.67		0.24	0.048	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Cadmium	0.17	J	0.24	0.085	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Calcium	58100		60.4	32.6	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Chromium	19.4		0.60	0.44	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Cobalt	8.3		0.60	0.12	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Copper	15.2	^5+	1.2	0.69	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Iron	18000		12.1	10.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Lead	13.2		1.2	0.56	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Magnesium	23600		24.2	10.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Manganese	407		1.2	0.34	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Nickel	19.9		6.0	0.30	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Potassium	5310		36.3	29.3	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Selenium	ND		4.8	0.97	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Silver	0.25	J ^5-	0.73	0.24	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Sodium	353		169	74.1	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Thallium	ND		7.3	0.92	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Vanadium	31.4		0.60	0.16	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1
Zinc	57.4		2.4	1.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.023	0.0054	mg/Kg	☼	08/19/25 08:54	08/19/25 10:58	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-2 6-8
Date Collected: 08/12/25 11:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-2
Matrix: Solid
Percent Solids: 84.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.5	0.25	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
1,1,2,2-Tetrachloroethane	ND		3.5	0.56	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.5	0.79	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
1,1,2-Trichloroethane	ND		3.5	0.45	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
1,1-Dichloroethane	ND		3.5	0.42	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
1,1-Dichloroethene	ND		3.5	0.42	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
1,2,4-Trichlorobenzene	ND		3.5	0.21	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
1,2,4-Trimethylbenzene	ND		3.5	0.66	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
1,2-Dibromo-3-Chloropropane	ND		3.5	1.7	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
1,2-Dichlorobenzene	ND		3.5	0.27	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
1,2-Dichloroethane	ND		3.5	0.17	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
1,2-Dichloropropane	ND		3.5	1.7	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
1,3,5-Trimethylbenzene	ND		3.5	0.22	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
1,3-Dichlorobenzene	ND		3.5	0.18	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
1,4-Dichlorobenzene	ND		3.5	0.48	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
2-Butanone (MEK)	ND		17	1.3	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
2-Hexanone	ND		17	1.7	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
4-Isopropyltoluene	ND		3.5	0.28	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
4-Methyl-2-pentanone (MIBK)	ND		17	1.1	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Acetone	**11**	**J**	17	2.9	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Benzene	ND		3.5	0.17	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Bromoform	ND		3.5	1.7	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Bromomethane	ND		3.5	0.31	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Carbon disulfide	ND		3.5	1.7	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Carbon tetrachloride	ND		3.5	0.33	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Chlorobenzene	ND		3.5	0.46	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Dibromochloromethane	ND		3.5	0.44	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Chloroethane	ND		3.5	0.78	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Chloroform	ND		3.5	0.21	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Chloromethane	ND		3.5	0.21	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
cis-1,2-Dichloroethene	ND		3.5	0.44	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Cyclohexane	ND		3.5	0.48	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Bromodichloromethane	ND		3.5	0.46	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Dichlorodifluoromethane	ND		3.5	0.29	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Ethylbenzene	ND		3.5	0.24	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
1,2-Dibromoethane	ND		3.5	0.44	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Isopropylbenzene	ND		3.5	0.52	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Methyl acetate	ND		17	2.1	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Methyl tert-butyl ether	ND		3.5	0.34	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Methylcyclohexane	ND		3.5	0.53	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Methylene Chloride	ND		3.5	1.6	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
m,p-Xylene	ND		6.9	0.58	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Naphthalene	ND		3.5	0.46	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
n-Butylbenzene	ND		3.5	0.30	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
N-Propylbenzene	ND		3.5	0.28	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
o-Xylene	ND		3.5	0.45	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
sec-Butylbenzene	ND		3.5	0.30	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Tetrachloroethene	ND		3.5	0.46	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Toluene	ND		3.5	0.26	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-2 6-8
Date Collected: 08/12/25 11:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-2
Matrix: Solid
Percent Solids: 84.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.5	0.36	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
trans-1,3-Dichloropropene	ND		3.5	1.5	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Trichloroethene	ND		3.5	0.76	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Trichlorofluoromethane	ND		3.5	0.33	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Vinyl chloride	ND		3.5	0.42	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Xylenes, Total	ND		6.9	0.58	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
cis-1,3-Dichloropropene	ND		3.5	0.50	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
Styrene	ND		3.5	0.17	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1
tert-Butylbenzene	ND		3.5	0.36	ug/Kg	☼	08/14/25 14:45	08/15/25 03:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*7.6*	*T H J*	*ug/Kg*	☼	*9.50*	*N/A*	*08/14/25 14:45*	*08/15/25 03:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*08/14/25 14:45*	*08/15/25 03:23*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 126*	*08/14/25 14:45*	*08/15/25 03:23*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*08/14/25 14:45*	*08/15/25 03:23*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 140*	*08/14/25 14:45*	*08/15/25 03:23*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		120	43	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
2,4,5-Trichlorophenol	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
2,4-Dichlorophenol	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
2,4-Dimethylphenol	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
2,4-Dinitrophenol	ND		1900	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
2,6-Dinitrotoluene	ND		200	28	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
2-Chloronaphthalene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
2-Chlorophenol	ND		200	31	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
2-Methylnaphthalene	ND		200	31	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
2-Methylphenol	ND		200	32	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
2-Nitroaniline	ND		380	33	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
2-Nitrophenol	ND		200	22	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
3,3'-Dichlorobenzidine	ND		380	57	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
3-Nitroaniline	ND		380	28	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
4,6-Dinitro-2-methylphenol	ND		380	43	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
4-Bromophenyl phenyl ether	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
4-Chloro-3-methylphenol	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
4-Chloroaniline	ND		200	28	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
4-Chlorophenyl phenyl ether	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
4-Methylphenol	ND		380	35	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
4-Nitroaniline	ND		380	29	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
4-Nitrophenol	ND		380	53	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Acenaphthene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Acenaphthylene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Acetophenone	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Anthracene	**74**	**J**	200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Atrazine	ND		200	66	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-2 6-8
Date Collected: 08/12/25 11:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-2
Matrix: Solid
Percent Solids: 84.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		200	150	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Benzo[a]anthracene	**170**	**J**	200	27	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Benzo[a]pyrene	**130**	**J**	200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Benzo[b]fluoranthene	**170**	**J**	200	26	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Benzo[g,h,i]perylene	**71**	**J**	200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Benzo[k]fluoranthene	**61**	**J**	200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Biphenyl	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Bis(2-chloroethoxy)methane	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Bis(2-chloroethyl)ether	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Bis(2-ethylhexyl) phthalate	ND		200	42	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Butyl benzyl phthalate	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Caprolactam	ND		200	45	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Carbazole	**60**	**J**	200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Chrysene	**170**	**J**	200	47	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Dibenz(a,h)anthracene	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Dibenzofuran	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Diethyl phthalate	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Dimethyl phthalate	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Di-n-butyl phthalate	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Di-n-octyl phthalate	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Fluoranthene	**400**		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Fluorene	**37**	**J**	200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Hexachlorobenzene	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Hexachlorobutadiene	ND		200	29	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Hexachlorocyclopentadiene	ND		380	85	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Hexachloroethane	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Indeno[1,2,3-cd]pyrene	**73**	**J**	200	29	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Isophorone	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Naphthalene	ND		200	32	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Nitrobenzene	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
N-Nitrosodi-n-propylamine	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
N-Nitrosodiphenylamine	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Pentachlorophenol	ND		380	62	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Phenanthrene	**460**		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Phenol	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1
Pyrene	**310**		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5500*	*T J*	*ug/Kg*	☼	*1.97*	*N/A*	*08/15/25 06:57*	*08/18/25 18:30*	*1*
Unknown	*1800*	*T J*	*ug/Kg*	☼	*3.43*	*N/A*	*08/15/25 06:57*	*08/18/25 18:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*10 - 140*	*08/15/25 06:57*	*08/18/25 18:30*	*1*
2-Fluorobiphenyl (Surr)	*84*		*29 - 120*	*08/15/25 06:57*	*08/18/25 18:30*	*1*
2-Fluorophenol (Surr)	*75*		*18 - 120*	*08/15/25 06:57*	*08/18/25 18:30*	*1*
Nitrobenzene-d5 (Surr)	*75*		*22 - 120*	*08/15/25 06:57*	*08/18/25 18:30*	*1*
Phenol-d5 (Surr)	*79*		*23 - 120*	*08/15/25 06:57*	*08/18/25 18:30*	*1*
p-Terphenyl-d14 (Surr)	*90*		*28 - 124*	*08/15/25 06:57*	*08/18/25 18:30*	*1*

Client Sample ID: MW-2 6-8
Date Collected: 08/12/25 11:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-2
Matrix: Solid
Percent Solids: 84.9

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.9	0.75	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
4,4'-DDE	ND		3.9	0.82	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
4,4'-DDT	**1.3**	**J**	3.9	0.91	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
Aldrin	ND		3.9	0.96	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
alpha-BHC	ND		3.9	0.70	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
cis-Chlordane	ND		3.9	1.9	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
beta-BHC	ND		3.9	0.70	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
delta-BHC	ND		3.9	0.72	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
Dieldrin	ND		3.9	0.93	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
Endosulfan I	ND		3.9	0.75	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
Endosulfan II	ND		3.9	0.70	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
Endosulfan sulfate	ND		3.9	0.72	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
Endrin	ND		3.9	0.77	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
Endrin aldehyde	ND		3.9	0.99	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
Endrin ketone	ND		3.9	0.96	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
gamma-BHC (Lindane)	ND		3.9	0.71	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
trans-Chlordane	ND		3.9	1.2	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
Heptachlor	ND		3.9	0.84	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
Heptachlor epoxide	ND		3.9	1.0	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
Methoxychlor	ND		3.9	0.79	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1
Toxaphene	ND		39	23	ug/Kg	☼	08/18/25 13:17	08/19/25 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*45 - 120*	*08/18/25 13:17*	*08/19/25 11:56*	*1*
DCB Decachlorobiphenyl	*103*		*45 - 120*	*08/18/25 13:17*	*08/19/25 11:56*	*1*
Tetrachloro-m-xylene	*76*		*30 - 124*	*08/18/25 13:17*	*08/19/25 11:56*	*1*
Tetrachloro-m-xylene	*75*		*30 - 124*	*08/18/25 13:17*	*08/19/25 11:56*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.048	mg/Kg	☼	08/18/25 11:08	08/19/25 12:25	1
PCB-1221	ND		0.25	0.048	mg/Kg	☼	08/18/25 11:08	08/19/25 12:25	1
PCB-1232	ND		0.25	0.048	mg/Kg	☼	08/18/25 11:08	08/19/25 12:25	1
PCB-1242	ND		0.25	0.048	mg/Kg	☼	08/18/25 11:08	08/19/25 12:25	1
PCB-1248	ND		0.25	0.048	mg/Kg	☼	08/18/25 11:08	08/19/25 12:25	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	08/18/25 11:08	08/19/25 12:25	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	08/18/25 11:08	08/19/25 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*136*		*60 - 154*	*08/18/25 11:08*	*08/19/25 12:25*	*1*
Tetrachloro-m-xylene	*130*		*60 - 154*	*08/18/25 11:08*	*08/19/25 12:25*	*1*
DCB Decachlorobiphenyl	*145*		*65 - 174*	*08/18/25 11:08*	*08/19/25 12:25*	*1*
DCB Decachlorobiphenyl	*127*		*65 - 174*	*08/18/25 11:08*	*08/19/25 12:25*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		19	6.2	ug/Kg	☼	08/15/25 11:47	08/20/25 18:16	1
Silvex (2,4,5-TP)	ND		19	6.9	ug/Kg	☼	08/15/25 11:47	08/20/25 18:16	1
2,4-D	ND		19	12	ug/Kg	☼	08/15/25 11:47	08/20/25 18:16	1
Dichlorprop	ND		19	9.6	ug/Kg	☼	08/15/25 11:47	08/20/25 18:16	1

Client Sample ID: MW-2 6-8
Date Collected: 08/12/25 11:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-2
Matrix: Solid
Percent Solids: 84.9

Method: SW846 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		19	6.3	ug/Kg	☼	08/15/25 11:47	08/20/25 18:16	1
Picloram	ND		19	8.3	ug/Kg	☼	08/15/25 11:47	08/20/25 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*65*		*28 - 129*	*08/15/25 11:47*	*08/20/25 18:16*	*1*
2,4-Dichlorophenylacetic acid	*63*		*28 - 129*	*08/15/25 11:47*	*08/20/25 18:16*	*1*

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.27**	**J**	0.46	0.12	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluoropentanoic acid (PFPeA)	**2.0**		0.23	0.093	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluorohexanoic acid (PFHxA)	**0.75**		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluoroheptanoic acid (PFHpA)	**0.095**	**J**	0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.13	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluorooctanesulfonic acid (PFOS)	**0.062**	**J**	0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluorononanesulfonic acid (PFNS)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.46	0.12	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.46	0.12	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.46	0.12	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.061	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.2	0.29	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.2	0.29	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-2 6-8
Date Collected: 08/12/25 11:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-2
Matrix: Solid
Percent Solids: 84.9

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.46	0.12	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.2	0.29	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.2	0.29	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.23	0.058	ng/g	☼	08/22/25 08:52	08/22/25 17:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83.6*		*8 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C5 PFPeA	*77.9*		*35 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C5 PFHxA	*76.5*		*40 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C4 PFHpA	*79.2*		*40 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C8 PFOA	*80.9*		*40 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C9 PFNA	*89.7*		*40 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C6 PFDA	*83.2*		*40 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C7 PFUnA	*80.2*		*40 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C2 PFTeDA	*84.8*		*20 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C3 PFBS	*70.1*		*40 - 135*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C3 PFHxS	*76.3*		*40 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C8 PFOS	*81.3*		*40 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C8 FOSA	*78.5*		*40 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
d3-NMeFOSAA	*87.7*		*40 - 135*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
d5-NEtFOSAA	*83.1*		*40 - 150*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C2 4:2 FTS	*63.6*		*40 - 165*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C2 6:2 FTS	*66.5*		*40 - 215*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C2 8:2 FTS	*71.4*		*40 - 275*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C3 HFPO-DA	*76.1*		*40 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
d7-N-MeFOSE-M	*53.9*		*20 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
d9-N-EtFOSE-M	*51.5*		*15 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
d5-NEtPFOSA	*68.1*		*10 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
d3-NMePFOSA	*76.5*		*10 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C2-PFDoA	*91.3*		*40 - 130*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C3-PFPrS	*73.2*		*20 - 150*	*08/22/25 08:52*	*08/22/25 17:16*	*1*
13C2 10:2 FTS	*64.5*		*40 - 275*	*08/22/25 08:52*	*08/22/25 17:16*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16700**		12.0	10.4	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Antimony	ND		18.0	0.64	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Arsenic	**3.7**	**^5+**	2.4	1.1	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1

Client Sample ID: MW-2 6-8
Date Collected: 08/12/25 11:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-2
Matrix: Solid
Percent Solids: 84.9

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	96.9		0.60	0.17	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Beryllium	0.70		0.24	0.048	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Cadmium	0.18	J	0.24	0.084	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Calcium	61500		60.1	32.4	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Chromium	19.7		0.60	0.43	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Cobalt	9.4		0.60	0.12	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Copper	18.0	^5+	1.2	0.68	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Iron	19900		12.0	10.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Lead	16.7		1.2	0.55	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Magnesium	22800		24.0	10.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Manganese	472		1.2	0.34	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Nickel	21.1		6.0	0.30	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Potassium	5530		36.0	29.1	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Selenium	ND		4.8	0.96	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Silver	0.24	J ^5-	0.72	0.24	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Sodium	282		168	73.7	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Thallium	ND		7.2	0.91	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Vanadium	30.9		0.60	0.16	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1
Zinc	59.9		2.4	1.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.024	0.0055	mg/Kg	☼	08/19/25 08:54	08/19/25 10:59	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-2 10-12
Date Collected: 08/12/25 11:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-3
Matrix: Solid
Percent Solids: 86.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.6	0.26	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
1,1,2,2-Tetrachloroethane	ND		3.6	0.58	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.6	0.82	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
1,1,2-Trichloroethane	ND		3.6	0.47	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
1,1-Dichloroethane	ND		3.6	0.44	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
1,1-Dichloroethene	ND		3.6	0.44	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
1,2,4-Trichlorobenzene	ND		3.6	0.22	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
1,2,4-Trimethylbenzene	ND		3.6	0.69	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
1,2-Dibromo-3-Chloropropane	ND		3.6	1.8	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
1,2-Dichlorobenzene	ND		3.6	0.28	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
1,2-Dichloroethane	ND		3.6	0.18	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
1,2-Dichloropropane	ND		3.6	1.8	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
1,3,5-Trimethylbenzene	ND		3.6	0.23	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
1,3-Dichlorobenzene	ND		3.6	0.18	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
1,4-Dichlorobenzene	ND		3.6	0.50	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
2-Butanone (MEK)	**2.1**	**J**	18	1.3	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
2-Hexanone	ND		18	1.8	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
4-Isopropyltoluene	ND		3.6	0.29	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
4-Methyl-2-pentanone (MIBK)	ND		18	1.2	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Acetone	**35**		18	3.0	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Benzene	ND		3.6	0.18	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Bromoform	ND		3.6	1.8	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Bromomethane	ND		3.6	0.32	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Carbon disulfide	ND		3.6	1.8	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Carbon tetrachloride	ND		3.6	0.35	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Chlorobenzene	ND		3.6	0.47	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Dibromochloromethane	ND		3.6	0.46	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Chloroethane	ND		3.6	0.81	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Chloroform	ND		3.6	0.22	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Chloromethane	ND		3.6	0.22	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
cis-1,2-Dichloroethene	ND		3.6	0.46	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Cyclohexane	ND		3.6	0.50	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Bromodichloromethane	ND		3.6	0.48	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Dichlorodifluoromethane	ND		3.6	0.30	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Ethylbenzene	ND		3.6	0.25	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
1,2-Dibromoethane	ND		3.6	0.46	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Isopropylbenzene	ND		3.6	0.54	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Methyl acetate	ND		18	2.2	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Methyl tert-butyl ether	ND		3.6	0.35	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Methylcyclohexane	ND		3.6	0.55	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Methylene Chloride	ND		3.6	1.7	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
m,p-Xylene	ND		7.2	0.60	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Naphthalene	ND		3.6	0.48	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
n-Butylbenzene	ND		3.6	0.31	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
N-Propylbenzene	ND		3.6	0.29	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
o-Xylene	ND		3.6	0.47	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
sec-Butylbenzene	ND		3.6	0.31	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Tetrachloroethene	ND		3.6	0.48	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Toluene	ND		3.6	0.27	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1

Client Sample ID: MW-2 10-12
Date Collected: 08/12/25 11:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-3
Matrix: Solid
Percent Solids: 86.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.6	0.37	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
trans-1,3-Dichloropropene	ND		3.6	1.6	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Trichloroethene	ND		3.6	0.79	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Trichlorofluoromethane	ND		3.6	0.34	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Vinyl chloride	ND		3.6	0.44	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Xylenes, Total	ND		7.2	0.60	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
cis-1,3-Dichloropropene	ND		3.6	0.52	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
Styrene	ND		3.6	0.18	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1
tert-Butylbenzene	ND		3.6	0.37	ug/Kg	☼	08/14/25 14:45	08/15/25 03:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*9.4*	*T H J*	*ug/Kg*	☼	*9.50*	*N/A*	*08/14/25 14:45*	*08/15/25 03:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*64 - 126*	*08/14/25 14:45*	*08/15/25 03:47*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 126*	*08/14/25 14:45*	*08/15/25 03:47*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*08/14/25 14:45*	*08/15/25 03:47*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*08/14/25 14:45*	*08/15/25 03:47*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		110	43	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
2,4,5-Trichlorophenol	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
2,4-Dichlorophenol	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
2,4-Dimethylphenol	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
2,4-Dinitrophenol	ND		1900	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
2,4-Dinitrotoluene	ND		200	26	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
2,6-Dinitrotoluene	ND		200	28	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
2-Chloronaphthalene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
2-Chlorophenol	ND		200	30	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
2-Methylnaphthalene	ND		200	31	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
2-Methylphenol	ND		200	31	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
2-Nitroaniline	ND		380	33	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
2-Nitrophenol	ND		200	22	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
3,3'-Dichlorobenzidine	ND		380	57	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
3-Nitroaniline	ND		380	27	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
4,6-Dinitro-2-methylphenol	ND		380	43	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
4-Bromophenyl phenyl ether	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
4-Chloro-3-methylphenol	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
4-Chloroaniline	ND		200	28	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
4-Chlorophenyl phenyl ether	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
4-Methylphenol	ND		380	35	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
4-Nitroaniline	ND		380	29	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
4-Nitrophenol	ND		380	53	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Acenaphthene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Acenaphthylene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Acetophenone	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Anthracene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Atrazine	ND		200	66	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1

Client Sample ID: MW-2 10-12
Date Collected: 08/12/25 11:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-3
Matrix: Solid
Percent Solids: 86.7

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		200	150	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Benzo[a]anthracene	ND		200	27	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Benzo[a]pyrene	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Benzo[b]fluoranthene	ND		200	26	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Benzo[g,h,i]perylene	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Benzo[k]fluoranthene	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Biphenyl	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Bis(2-chloroethoxy)methane	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Bis(2-chloroethyl)ether	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Bis(2-ethylhexyl) phthalate	ND		200	42	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Butyl benzyl phthalate	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Caprolactam	ND		200	45	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Carbazole	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Chrysene	ND		200	47	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Dibenz(a,h)anthracene	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Dibenzofuran	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Diethyl phthalate	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Dimethyl phthalate	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Di-n-butyl phthalate	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Di-n-octyl phthalate	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Fluoranthene	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Fluorene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Hexachlorobenzene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Hexachlorobutadiene	ND		200	29	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Hexachlorocyclopentadiene	ND		380	85	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Hexachloroethane	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Indeno[1,2,3-cd]pyrene	ND		200	29	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Isophorone	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Naphthalene	ND		200	32	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Nitrobenzene	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
N-Nitrosodi-n-propylamine	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
N-Nitrosodiphenylamine	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Pentachlorophenol	ND		380	62	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Phenanthrene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Phenol	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1
Pyrene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 18:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4700*	*T J*	*ug/Kg*	☼	*1.97*	*N/A*	*08/15/25 06:57*	*08/18/25 18:55*	*1*
Unknown	*1500*	*T J*	*ug/Kg*	☼	*3.44*	*N/A*	*08/15/25 06:57*	*08/18/25 18:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*10 - 140*	*08/15/25 06:57*	*08/18/25 18:55*	*1*
2-Fluorobiphenyl (Surr)	*74*		*29 - 120*	*08/15/25 06:57*	*08/18/25 18:55*	*1*
2-Fluorophenol (Surr)	*68*		*18 - 120*	*08/15/25 06:57*	*08/18/25 18:55*	*1*
Nitrobenzene-d5 (Surr)	*70*		*22 - 120*	*08/15/25 06:57*	*08/18/25 18:55*	*1*
Phenol-d5 (Surr)	*73*		*23 - 120*	*08/15/25 06:57*	*08/18/25 18:55*	*1*
p-Terphenyl-d14 (Surr)	*85*		*28 - 124*	*08/15/25 06:57*	*08/18/25 18:55*	*1*

Client Sample ID: MW-2 10-12
Date Collected: 08/12/25 11:00
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-3
Matrix: Solid
Percent Solids: 86.7

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.8	0.73	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
4,4'-DDE	ND		3.8	0.79	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
4,4'-DDT	ND		3.8	0.88	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
Aldrin	ND		3.8	0.93	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
alpha-BHC	ND		3.8	0.68	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
cis-Chlordane	ND		3.8	1.9	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
beta-BHC	ND		3.8	0.68	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
delta-BHC	**0.98**	**J**	3.8	0.70	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
Dieldrin	ND		3.8	0.91	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
Endosulfan I	ND		3.8	0.73	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
Endosulfan II	ND		3.8	0.68	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
Endosulfan sulfate	**1.6**	**J**	3.8	0.71	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
Endrin	ND		3.8	0.75	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
Endrin aldehyde	ND		3.8	0.97	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
Endrin ketone	ND		3.8	0.93	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
gamma-BHC (Lindane)	ND		3.8	0.69	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
trans-Chlordane	ND		3.8	1.2	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
Heptachlor	ND		3.8	0.82	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
Heptachlor epoxide	ND		3.8	0.98	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
Methoxychlor	ND		3.8	0.77	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1
Toxaphene	ND		38	22	ug/Kg	☼	08/18/25 13:17	08/19/25 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*45 - 120*	*08/18/25 13:17*	*08/19/25 12:15*	*1*
DCB Decachlorobiphenyl	*93*		*45 - 120*	*08/18/25 13:17*	*08/19/25 12:15*	*1*
Tetrachloro-m-xylene	*50*		*30 - 124*	*08/18/25 13:17*	*08/19/25 12:15*	*1*
Tetrachloro-m-xylene	*49*		*30 - 124*	*08/18/25 13:17*	*08/19/25 12:15*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		19	6.0	ug/Kg	☼	08/15/25 11:47	08/20/25 18:34	1
Silvex (2,4,5-TP)	ND		19	6.7	ug/Kg	☼	08/15/25 11:47	08/20/25 18:34	1
2,4-D	ND		19	12	ug/Kg	☼	08/15/25 11:47	08/20/25 18:34	1
Dichlorprop	ND		19	9.4	ug/Kg	☼	08/15/25 11:47	08/20/25 18:34	1
Pentachlorophenol	ND		19	6.1	ug/Kg	☼	08/15/25 11:47	08/20/25 18:34	1
Picloram	ND		19	8.1	ug/Kg	☼	08/15/25 11:47	08/20/25 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*70*		*28 - 129*	*08/15/25 11:47*	*08/20/25 18:34*	*1*
2,4-Dichlorophenylacetic acid	*67*		*28 - 129*	*08/15/25 11:47*	*08/20/25 18:34*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15800**		12.0	10.3	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Antimony	ND		18.0	0.63	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Arsenic	**3.7**	**^5+**	2.4	1.1	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Barium	**90.6**		0.60	0.17	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Beryllium	**0.67**		0.24	0.048	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Cadmium	**0.22**	**J**	0.24	0.084	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Calcium	**70700**		59.9	32.3	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1

Client: LaBella Associates DPC
Job ID: 480-231828-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: MW-2 10-12
Lab Sample ID: 480-231828-3
Date Collected: 08/12/25 11:00
Matrix: Solid
Date Received: 08/13/25 15:30
Percent Solids: 86.7

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	18.7		0.60	0.43	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Cobalt	9.2		0.60	0.12	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Copper	14.0	^5+	1.2	0.68	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Iron	18900		12.0	10.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Lead	14.8		1.2	0.55	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Magnesium	21900		23.9	10.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Manganese	447		1.2	0.34	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Nickel	19.8		6.0	0.30	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Potassium	5240		35.9	29.0	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Selenium	ND		4.8	0.96	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Silver	ND	^5-	0.72	0.24	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Sodium	255		168	73.4	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Thallium	ND		7.2	0.91	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Vanadium	28.7		0.60	0.16	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1
Zinc	57.9		2.4	1.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:44	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.024	0.0054	mg/Kg	☼	08/19/25 08:54	08/19/25 11:01	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-3 4-6
Date Collected: 08/12/25 10:10
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-4
Matrix: Solid
Percent Solids: 85.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.7	0.27	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
1,1,2,2-Tetrachloroethane	ND		3.7	0.60	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.7	0.84	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
1,1,2-Trichloroethane	ND		3.7	0.48	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
1,1-Dichloroethane	ND		3.7	0.45	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
1,1-Dichloroethene	ND		3.7	0.45	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
1,2,4-Trichlorobenzene	ND		3.7	0.22	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
1,2,4-Trimethylbenzene	ND		3.7	0.71	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
1,2-Dibromo-3-Chloropropane	ND		3.7	1.8	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
1,2-Dichlorobenzene	ND		3.7	0.29	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
1,2-Dichloroethane	ND		3.7	0.18	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
1,2-Dichloropropane	ND		3.7	1.8	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
1,3,5-Trimethylbenzene	ND		3.7	0.24	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
1,3-Dichlorobenzene	ND		3.7	0.19	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
1,4-Dichlorobenzene	ND		3.7	0.51	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
2-Butanone (MEK)	**2.1**	**J**	18	1.3	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
2-Hexanone	ND		18	1.8	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
4-Isopropyltoluene	ND		3.7	0.29	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
4-Methyl-2-pentanone (MIBK)	ND		18	1.2	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Acetone	**18**		18	3.1	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Benzene	ND		3.7	0.18	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Bromoform	ND		3.7	1.8	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Bromomethane	ND		3.7	0.33	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Carbon disulfide	ND		3.7	1.8	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Carbon tetrachloride	ND		3.7	0.36	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Chlorobenzene	ND		3.7	0.49	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Dibromochloromethane	ND		3.7	0.47	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Chloroethane	ND		3.7	0.83	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Chloroform	ND		3.7	0.23	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Chloromethane	ND		3.7	0.22	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
cis-1,2-Dichloroethene	ND		3.7	0.47	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Cyclohexane	ND		3.7	0.51	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Bromodichloromethane	ND		3.7	0.49	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Dichlorodifluoromethane	ND		3.7	0.30	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Ethylbenzene	ND		3.7	0.25	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
1,2-Dibromoethane	ND		3.7	0.47	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Isopropylbenzene	ND		3.7	0.55	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Methyl acetate	ND		18	2.2	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Methyl tert-butyl ether	ND		3.7	0.36	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Methylcyclohexane	ND		3.7	0.56	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Methylene Chloride	ND		3.7	1.7	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
m,p-Xylene	ND		7.4	0.62	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Naphthalene	ND		3.7	0.49	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
n-Butylbenzene	ND		3.7	0.32	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
N-Propylbenzene	ND		3.7	0.29	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
o-Xylene	ND		3.7	0.48	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
sec-Butylbenzene	ND		3.7	0.32	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Tetrachloroethene	ND		3.7	0.49	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Toluene	ND		3.7	0.28	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-3 4-6
Date Collected: 08/12/25 10:10
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-4
Matrix: Solid
Percent Solids: 85.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.7	0.38	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
trans-1,3-Dichloropropene	ND		3.7	1.6	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Trichloroethene	ND		3.7	0.81	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Trichlorofluoromethane	ND		3.7	0.35	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Vinyl chloride	ND		3.7	0.45	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Xylenes, Total	ND		7.4	0.62	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
cis-1,3-Dichloropropene	ND		3.7	0.53	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
Styrene	ND		3.7	0.18	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1
tert-Butylbenzene	ND		3.7	0.38	ug/Kg	☼	08/17/25 18:01	08/18/25 01:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*10*	*T H J*	*ug/Kg*	☼	*9.50*	*N/A*	*08/17/25 18:01*	*08/18/25 01:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*64 - 126*	*08/17/25 18:01*	*08/18/25 01:42*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*08/17/25 18:01*	*08/18/25 01:42*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*08/17/25 18:01*	*08/18/25 01:42*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*08/17/25 18:01*	*08/18/25 01:42*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		110	41	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
2,4,5-Trichlorophenol	ND		190	38	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
2,4,6-Trichlorophenol	ND		190	29	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
2,4-Dichlorophenol	ND		190	37	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
2,4-Dimethylphenol	ND		190	40	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
2,4-Dinitrophenol	ND		1800	36	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
2,4-Dinitrotoluene	ND		190	26	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
2,6-Dinitrotoluene	ND		190	27	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
2-Chloronaphthalene	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
2-Chlorophenol	ND		190	29	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
2-Methylnaphthalene	**41**	**J**	190	30	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
2-Methylphenol	ND		190	30	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
2-Nitroaniline	ND		370	32	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
2-Nitrophenol	ND		190	21	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
3,3'-Dichlorobenzidine	ND		370	55	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
3-Nitroaniline	ND		370	27	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
4,6-Dinitro-2-methylphenol	ND		370	41	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
4-Bromophenyl phenyl ether	ND		190	32	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
4-Chloro-3-methylphenol	ND		190	39	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
4-Chloroaniline	ND		190	27	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
4-Chlorophenyl phenyl ether	ND		190	39	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
4-Methylphenol	ND		370	34	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
4-Nitroaniline	ND		370	28	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
4-Nitrophenol	ND		370	51	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Acenaphthene	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Acenaphthylene	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Acetophenone	ND		190	33	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Anthracene	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Atrazine	ND		190	64	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1

Client Sample ID: MW-3 4-6
Date Collected: 08/12/25 10:10
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-4
Matrix: Solid
Percent Solids: 85.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		190	140	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Benzo[a]anthracene	**97**	**J**	190	26	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Benzo[a]pyrene	**92**	**J**	190	32	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Benzo[b]fluoranthene	**140**	**J**	190	25	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Benzo[g,h,i]perylene	**53**	**J**	190	33	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Benzo[k]fluoranthene	**44**	**J**	190	42	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Biphenyl	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
bis (2-chloroisopropyl) ether	ND		190	38	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Bis(2-chloroethoxy)methane	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Bis(2-chloroethyl)ether	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Bis(2-ethylhexyl) phthalate	**50**	**J**	190	41	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Butyl benzyl phthalate	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Caprolactam	ND		190	43	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Carbazole	ND		190	37	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Chrysene	**100**	**J**	190	45	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Dibenz(a,h)anthracene	ND		190	38	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Dibenzofuran	ND		190	33	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Diethyl phthalate	ND		190	34	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Dimethyl phthalate	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Di-n-butyl phthalate	ND		190	42	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Di-n-octyl phthalate	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Fluoranthene	**210**		190	34	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Fluorene	ND		190	34	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Hexachlorobenzene	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Hexachlorobutadiene	ND		190	28	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Hexachlorocyclopentadiene	ND		370	82	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Hexachloroethane	ND		190	34	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Indeno[1,2,3-cd]pyrene	**54**	**J**	190	28	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Isophorone	ND		190	39	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Naphthalene	ND		190	31	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Nitrobenzene	ND		190	32	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
N-Nitrosodi-n-propylamine	ND		190	42	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
N-Nitrosodiphenylamine	ND		190	31	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Pentachlorophenol	ND		370	60	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Phenanthrene	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Phenol	ND		190	34	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1
Pyrene	**180**	**J**	190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 19:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6100*	*T J*	*ug/Kg*	☼	*1.97*	*N/A*	*08/15/25 06:57*	*08/18/25 19:19*	*1*
Unknown	*1500*	*T J*	*ug/Kg*	☼	*3.43*	*N/A*	*08/15/25 06:57*	*08/18/25 19:19*	*1*
Unknown	*460*	*T J*	*ug/Kg*	☼	*9.53*	*N/A*	*08/15/25 06:57*	*08/18/25 19:19*	*1*
Cyclic octaatomic sulfur	*380*	*T J N*	*ug/Kg*	☼	*12.07*	*10544-50-0*	*08/15/25 06:57*	*08/18/25 19:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*10 - 140*	*08/15/25 06:57*	*08/18/25 19:19*	*1*
2-Fluorobiphenyl (Surr)	*82*		*29 - 120*	*08/15/25 06:57*	*08/18/25 19:19*	*1*
2-Fluorophenol (Surr)	*72*		*18 - 120*	*08/15/25 06:57*	*08/18/25 19:19*	*1*
Nitrobenzene-d5 (Surr)	*75*		*22 - 120*	*08/15/25 06:57*	*08/18/25 19:19*	*1*
Phenol-d5 (Surr)	*76*		*23 - 120*	*08/15/25 06:57*	*08/18/25 19:19*	*1*

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-3 4-6
Date Collected: 08/12/25 10:10
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-4
Matrix: Solid
Percent Solids: 85.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	*89*		*28 - 124*	*08/15/25 06:57*	*08/18/25 19:19*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.8	0.74	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
4,4'-DDE	ND		3.8	0.80	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
4,4'-DDT	ND		3.8	0.89	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
Aldrin	ND		3.8	0.94	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
alpha-BHC	ND		3.8	0.69	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
cis-Chlordane	ND		3.8	1.9	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
beta-BHC	ND		3.8	0.69	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
delta-BHC	ND		3.8	0.71	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
Dieldrin	ND		3.8	0.91	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
Endosulfan I	ND		3.8	0.73	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
Endosulfan II	ND		3.8	0.69	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
Endosulfan sulfate	**1.3**	**J**	3.8	0.71	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
Endrin	ND		3.8	0.75	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
Endrin aldehyde	ND		3.8	0.97	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
Endrin ketone	ND		3.8	0.94	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
gamma-BHC (Lindane)	ND		3.8	0.70	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
trans-Chlordane	ND		3.8	1.2	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
Heptachlor	ND		3.8	0.83	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
Heptachlor epoxide	ND		3.8	0.98	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
Methoxychlor	ND		3.8	0.78	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1
Toxaphene	ND		38	22	ug/Kg	☼	08/18/25 13:17	08/19/25 12:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*98*		*45 - 120*	*08/18/25 13:17*	*08/19/25 12:35*	*1*
DCB Decachlorobiphenyl	*95*		*45 - 120*	*08/18/25 13:17*	*08/19/25 12:35*	*1*
Tetrachloro-m-xylene	*52*		*30 - 124*	*08/18/25 13:17*	*08/19/25 12:35*	*1*
Tetrachloro-m-xylene	*52*		*30 - 124*	*08/18/25 13:17*	*08/19/25 12:35*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.043	mg/Kg	☼	08/18/25 11:08	08/19/25 12:43	1
PCB-1221	ND		0.22	0.043	mg/Kg	☼	08/18/25 11:08	08/19/25 12:43	1
PCB-1232	ND		0.22	0.043	mg/Kg	☼	08/18/25 11:08	08/19/25 12:43	1
PCB-1242	ND		0.22	0.043	mg/Kg	☼	08/18/25 11:08	08/19/25 12:43	1
PCB-1248	ND		0.22	0.043	mg/Kg	☼	08/18/25 11:08	08/19/25 12:43	1
PCB-1254	ND		0.22	0.10	mg/Kg	☼	08/18/25 11:08	08/19/25 12:43	1
PCB-1260	ND		0.22	0.10	mg/Kg	☼	08/18/25 11:08	08/19/25 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*132*		*60 - 154*	*08/18/25 11:08*	*08/19/25 12:43*	*1*
Tetrachloro-m-xylene	*120*		*60 - 154*	*08/18/25 11:08*	*08/19/25 12:43*	*1*
DCB Decachlorobiphenyl	*136*		*65 - 174*	*08/18/25 11:08*	*08/19/25 12:43*	*1*
DCB Decachlorobiphenyl	*117*		*65 - 174*	*08/18/25 11:08*	*08/19/25 12:43*	*1*

Client Sample ID: MW-3 4-6
Date Collected: 08/12/25 10:10
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-4
Matrix: Solid
Percent Solids: 85.8

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		19	6.1	ug/Kg	☼	08/15/25 11:47	08/20/25 18:53	1
Silvex (2,4,5-TP)	ND		19	6.9	ug/Kg	☼	08/15/25 11:47	08/20/25 18:53	1
2,4-D	ND		19	12	ug/Kg	☼	08/15/25 11:47	08/20/25 18:53	1
Dichlorprop	ND		19	9.6	ug/Kg	☼	08/15/25 11:47	08/20/25 18:53	1
Pentachlorophenol	ND		19	6.2	ug/Kg	☼	08/15/25 11:47	08/20/25 18:53	1
Picloram	ND		19	8.3	ug/Kg	☼	08/15/25 11:47	08/20/25 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*79*		*28 - 129*	*08/15/25 11:47*	*08/20/25 18:53*	*1*
2,4-Dichlorophenylacetic acid	*74*		*28 - 129*	*08/15/25 11:47*	*08/20/25 18:53*	*1*

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.46	0.12	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.093	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.13	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluorononanesulfonic acid (PFNS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.46	0.12	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.46	0.12	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.46	0.12	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.2	0.29	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.2	0.29	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1

Client Sample ID: MW-3 4-6
Date Collected: 08/12/25 10:10
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-4
Matrix: Solid
Percent Solids: 85.8

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.46	0.12	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.2	0.29	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.2	0.29	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.23	0.058	ng/g	☼	08/18/25 09:34	08/19/25 02:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*130*		*8 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C5 PFPeA	*128*		*35 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C5 PFHxA	*115*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C4 PFHpA	*121*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C8 PFOA	*132*	*5+	*40 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C9 PFNA	*124*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C6 PFDA	*110*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C7 PFUnA	*107*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C2 PFTeDA	*116*		*20 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C3 PFBS	*119*		*40 - 135*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C3 PFHxS	*117*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C8 PFOS	*116*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C8 FOSA	*114*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
d3-NMeFOSAA	*127*		*40 - 135*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
d5-NEtFOSAA	*136*		*40 - 150*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C2 4:2 FTS	*132*		*40 - 165*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C2 6:2 FTS	*115*		*40 - 215*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C2 8:2 FTS	*114*		*40 - 275*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C3 HFPO-DA	*120*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
d7-N-MeFOSE-M	*90.2*		*20 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
d9-N-EtFOSE-M	*94.5*		*15 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
d5-NEtPFOSA	*99.7*		*10 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
d3-NMePFOSA	*94.1*		*10 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C2-PFDoA	*117*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C3-PFPrS	*119*		*20 - 150*	*08/18/25 09:34*	*08/19/25 02:27*	*1*
13C2 10:2 FTS	*130*		*40 - 275*	*08/18/25 09:34*	*08/19/25 02:27*	*1*

Client Sample Results

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-3 4-6

Date Collected: 08/12/25 10:10
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-4

Matrix: Solid
Percent Solids: 85.8

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15700		11.5	9.9	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Antimony	ND		17.2	0.61	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Arsenic	4.1	^5+	2.3	1.0	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Barium	92.7		0.57	0.16	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Beryllium	0.69		0.23	0.046	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Cadmium	0.22	J	0.23	0.080	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Calcium	59200		57.3	31.0	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Chromium	19.2		0.57	0.41	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Cobalt	9.1		0.57	0.11	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Copper	31.0	^5+	1.1	0.65	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Iron	19800		11.5	9.7	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Lead	20.1		1.1	0.53	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Magnesium	21600		22.9	9.7	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Manganese	508		1.1	0.32	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Nickel	20.1		5.7	0.29	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Potassium	4880		34.4	27.8	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Selenium	ND		4.6	0.92	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Silver	0.26	J ^5-	0.69	0.23	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Sodium	263		161	70.3	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Thallium	ND		6.9	0.87	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Vanadium	29.8		0.57	0.15	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1
Zinc	63.2		2.3	1.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:45	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.023	0.0054	mg/Kg	☼	08/19/25 08:54	08/19/25 11:02	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-4 8-10
Date Collected: 08/12/25 13:30
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-5
Matrix: Solid
Percent Solids: 86.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4	0.32	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
1,1,2,2-Tetrachloroethane	ND		4.4	0.71	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4	1.0	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
1,1,2-Trichloroethane	ND		4.4	0.57	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
1,1-Dichloroethane	ND		4.4	0.53	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
1,1-Dichloroethene	ND		4.4	0.54	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
1,2,4-Trichlorobenzene	ND		4.4	0.27	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
1,2,4-Trimethylbenzene	ND		4.4	0.84	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
1,2-Dibromo-3-Chloropropane	ND		4.4	2.2	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
1,2-Dichlorobenzene	ND		4.4	0.34	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
1,2-Dichloroethane	ND		4.4	0.22	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
1,2-Dichloropropane	ND		4.4	2.2	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
1,3,5-Trimethylbenzene	ND		4.4	0.28	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
1,3-Dichlorobenzene	ND		4.4	0.22	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
1,4-Dichlorobenzene	ND		4.4	0.61	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
2-Butanone (MEK)	ND		22	1.6	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
2-Hexanone	ND		22	2.2	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
4-Isopropyltoluene	ND		4.4	0.35	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
4-Methyl-2-pentanone (MIBK)	ND		22	1.4	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Acetone	ND		22	3.7	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Benzene	ND		4.4	0.21	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Bromoform	ND		4.4	2.2	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Bromomethane	ND		4.4	0.39	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Carbon disulfide	ND		4.4	2.2	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Carbon tetrachloride	ND		4.4	0.42	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Chlorobenzene	ND		4.4	0.58	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Dibromochloromethane	ND		4.4	0.56	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Chloroethane	ND		4.4	0.99	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Chloroform	ND		4.4	0.27	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Chloromethane	ND		4.4	0.26	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
cis-1,2-Dichloroethene	ND		4.4	0.56	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Cyclohexane	ND		4.4	0.61	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Bromodichloromethane	ND		4.4	0.59	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Dichlorodifluoromethane	ND		4.4	0.36	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Ethylbenzene	ND		4.4	0.30	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
1,2-Dibromoethane	ND		4.4	0.56	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Isopropylbenzene	ND		4.4	0.66	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Methyl acetate	ND		22	2.6	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Methyl tert-butyl ether	ND		4.4	0.43	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Methylcyclohexane	ND		4.4	0.67	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Methylene Chloride	ND		4.4	2.0	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
m,p-Xylene	ND		8.8	0.74	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Naphthalene	ND		4.4	0.59	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
n-Butylbenzene	ND		4.4	0.38	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
N-Propylbenzene	ND		4.4	0.35	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
o-Xylene	ND		4.4	0.57	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
sec-Butylbenzene	ND		4.4	0.38	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Tetrachloroethene	ND		4.4	0.59	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Toluene	ND		4.4	0.33	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-4 8-10
Date Collected: 08/12/25 13:30
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-5
Matrix: Solid
Percent Solids: 86.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		4.4	0.45	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
trans-1,3-Dichloropropene	ND		4.4	1.9	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Trichloroethene	ND		4.4	0.96	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Trichlorofluoromethane	ND		4.4	0.41	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Vinyl chloride	ND		4.4	0.53	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Xylenes, Total	ND		8.8	0.74	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
cis-1,3-Dichloropropene	ND		4.4	0.63	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
Styrene	ND		4.4	0.22	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1
tert-Butylbenzene	ND		4.4	0.46	ug/Kg	☼	08/14/25 14:45	08/18/25 02:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*7.8*	*T H J*	*ug/Kg*	☼	*9.50*	*N/A*	*08/14/25 14:45*	*08/18/25 02:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*64 - 126*	*08/14/25 14:45*	*08/18/25 02:05*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 126*	*08/14/25 14:45*	*08/18/25 02:05*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*08/14/25 14:45*	*08/18/25 02:05*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*08/14/25 14:45*	*08/18/25 02:05*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		120	43	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
2,4,5-Trichlorophenol	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
2,4-Dichlorophenol	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
2,4-Dimethylphenol	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
2,4-Dinitrophenol	ND		1900	37	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
2,6-Dinitrotoluene	ND		200	28	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
2-Chloronaphthalene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
2-Chlorophenol	ND		200	31	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
2-Methylnaphthalene	ND		200	31	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
2-Methylphenol	ND		200	32	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
2-Nitroaniline	ND		380	33	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
2-Nitrophenol	ND		200	22	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
3,3'-Dichlorobenzidine	ND		380	57	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
3-Nitroaniline	ND		380	28	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
4,6-Dinitro-2-methylphenol	ND		380	43	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
4-Bromophenyl phenyl ether	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
4-Chloro-3-methylphenol	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
4-Chloroaniline	ND		200	28	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
4-Chlorophenyl phenyl ether	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
4-Methylphenol	ND		380	35	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
4-Nitroaniline	ND		380	29	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
4-Nitrophenol	ND		380	53	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Acenaphthene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Acenaphthylene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Acetophenone	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Anthracene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Atrazine	ND		200	66	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1

Client Sample ID: MW-4 8-10

Date Collected: 08/12/25 13:30
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-5

Matrix: Solid
Percent Solids: 86.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		200	150	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Benzo[a]anthracene	ND		200	27	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Benzo[a]pyrene	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Benzo[b]fluoranthene	ND		200	26	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Benzo[g,h,i]perylene	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Benzo[k]fluoranthene	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Biphenyl	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Bis(2-chloroethoxy)methane	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Bis(2-chloroethyl)ether	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Bis(2-ethylhexyl) phthalate	ND		200	42	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Butyl benzyl phthalate	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Caprolactam	ND		200	45	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Carbazole	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Chrysene	ND		200	47	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Dibenz(a,h)anthracene	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Dibenzofuran	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Diethyl phthalate	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Dimethyl phthalate	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Di-n-butyl phthalate	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Di-n-octyl phthalate	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Fluoranthene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Fluorene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Hexachlorobenzene	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Hexachlorobutadiene	ND		200	29	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Hexachlorocyclopentadiene	ND		380	85	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Hexachloroethane	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Indeno[1,2,3-cd]pyrene	ND		200	29	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Isophorone	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Naphthalene	ND		200	32	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Nitrobenzene	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
N-Nitrosodi-n-propylamine	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
N-Nitrosodiphenylamine	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Pentachlorophenol	ND		380	62	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Phenanthrene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Phenol	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1
Pyrene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 19:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4800*	*T J*	*ug/Kg*	☼	*1.85*	*N/A*	*08/15/25 06:57*	*08/18/25 19:44*	*1*
Unknown	*11000*	*T J*	*ug/Kg*	☼	*1.96*	*N/A*	*08/15/25 06:57*	*08/18/25 19:44*	*1*
Unknown	*1600*	*T J*	*ug/Kg*	☼	*3.43*	*N/A*	*08/15/25 06:57*	*08/18/25 19:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*10 - 140*	*08/15/25 06:57*	*08/18/25 19:44*	*1*
2-Fluorobiphenyl (Surr)	*80*		*29 - 120*	*08/15/25 06:57*	*08/18/25 19:44*	*1*
2-Fluorophenol (Surr)	*78*		*18 - 120*	*08/15/25 06:57*	*08/18/25 19:44*	*1*
Nitrobenzene-d5 (Surr)	*79*		*22 - 120*	*08/15/25 06:57*	*08/18/25 19:44*	*1*
Phenol-d5 (Surr)	*83*		*23 - 120*	*08/15/25 06:57*	*08/18/25 19:44*	*1*
p-Terphenyl-d14 (Surr)	*88*		*28 - 124*	*08/15/25 06:57*	*08/18/25 19:44*	*1*

Client Sample Results

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-4 8-10

Date Collected: 08/12/25 13:30
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-5

Matrix: Solid
Percent Solids: 86.3

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16600		11.9	10.3	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Antimony	ND		17.9	0.63	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Arsenic	2.4	^5+	2.4	1.0	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Barium	95.6		0.60	0.17	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Beryllium	0.70		0.24	0.048	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Cadmium	0.15	J	0.24	0.084	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Calcium	57400		59.7	32.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Chromium	20.7		0.60	0.43	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Cobalt	8.3		0.60	0.12	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Copper	15.5	^5+	1.2	0.68	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Iron	19400		11.9	10.1	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Lead	13.7		1.2	0.55	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Magnesium	20200		23.9	10.1	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Manganese	404		1.2	0.33	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Nickel	20.6		6.0	0.30	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Potassium	5460		35.8	28.9	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Selenium	ND		4.8	0.95	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Silver	ND	^5-	0.72	0.24	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Sodium	307		167	73.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Thallium	ND		7.2	0.91	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Vanadium	31.1		0.60	0.16	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1
Zinc	60.5		2.4	1.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:47	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.024	0.0056	mg/Kg	☼	08/19/25 08:54	08/19/25 11:03	1

Client Sample ID: MW-4 24-26

Date Collected: 08/12/25 13:30
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-6

Matrix: Solid
Percent Solids: 82.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.9	0.28	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
1,1,2,2-Tetrachloroethane	ND		3.9	0.63	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.9	0.89	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
1,1,2-Trichloroethane	ND		3.9	0.51	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
1,1-Dichloroethane	ND		3.9	0.48	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
1,1-Dichloroethene	ND		3.9	0.48	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
1,2,4-Trichlorobenzene	ND		3.9	0.24	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
1,2,4-Trimethylbenzene	ND		3.9	0.75	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
1,2-Dibromo-3-Chloropropane	ND		3.9	2.0	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
1,2-Dichlorobenzene	ND		3.9	0.31	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
1,2-Dichloroethane	ND		3.9	0.20	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
1,2-Dichloropropane	ND		3.9	2.0	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
1,3,5-Trimethylbenzene	ND		3.9	0.25	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
1,3-Dichlorobenzene	ND		3.9	0.20	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
1,4-Dichlorobenzene	ND		3.9	0.55	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
2-Butanone (MEK)	**2.2**	**J**	20	1.4	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
2-Hexanone	ND		20	2.0	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
4-Isopropyltoluene	ND		3.9	0.31	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
4-Methyl-2-pentanone (MIBK)	ND		20	1.3	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Acetone	**17**	**J**	20	3.3	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Benzene	ND		3.9	0.19	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Bromoform	ND		3.9	2.0	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Bromomethane	ND		3.9	0.35	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Carbon disulfide	ND		3.9	2.0	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Carbon tetrachloride	ND		3.9	0.38	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Chlorobenzene	ND		3.9	0.52	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Dibromochloromethane	ND		3.9	0.50	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Chloroethane	ND		3.9	0.88	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Chloroform	ND		3.9	0.24	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Chloromethane	ND		3.9	0.24	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
cis-1,2-Dichloroethene	ND		3.9	0.50	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Cyclohexane	ND		3.9	0.55	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Bromodichloromethane	ND		3.9	0.52	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Dichlorodifluoromethane	ND		3.9	0.32	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Ethylbenzene	ND		3.9	0.27	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
1,2-Dibromoethane	ND		3.9	0.50	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Isopropylbenzene	ND		3.9	0.59	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Methyl acetate	ND		20	2.4	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Methyl tert-butyl ether	ND		3.9	0.38	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Methylcyclohexane	ND		3.9	0.59	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Methylene Chloride	ND		3.9	1.8	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
m,p-Xylene	ND		7.8	0.66	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Naphthalene	ND		3.9	0.52	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
n-Butylbenzene	ND		3.9	0.34	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
N-Propylbenzene	ND		3.9	0.31	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
o-Xylene	ND		3.9	0.51	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
sec-Butylbenzene	ND		3.9	0.34	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Tetrachloroethene	ND		3.9	0.53	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Toluene	ND		3.9	0.30	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-4 24-26
Date Collected: 08/12/25 13:30
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-6
Matrix: Solid
Percent Solids: 82.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.9	0.40	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
trans-1,3-Dichloropropene	ND		3.9	1.7	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Trichloroethene	ND		3.9	0.86	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Trichlorofluoromethane	ND		3.9	0.37	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Vinyl chloride	ND		3.9	0.48	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Xylenes, Total	ND		7.8	0.66	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
cis-1,3-Dichloropropene	ND		3.9	0.56	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
Styrene	ND		3.9	0.20	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1
tert-Butylbenzene	ND		3.9	0.41	ug/Kg	☼	08/14/25 14:45	08/18/25 02:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*4.4*	*T H J*	*ug/Kg*	☼	*9.50*	*N/A*	*08/14/25 14:45*	*08/18/25 02:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 126*	*08/14/25 14:45*	*08/18/25 02:29*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 126*	*08/14/25 14:45*	*08/18/25 02:29*	*1*
Toluene-d8 (Surr)	*97*		*71 - 125*	*08/14/25 14:45*	*08/18/25 02:29*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*08/14/25 14:45*	*08/18/25 02:29*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		120	44	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
2,4,5-Trichlorophenol	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
2,4-Dichlorophenol	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
2,4-Dimethylphenol	ND		200	42	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
2,4-Dinitrophenol	ND		2000	38	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
2,4-Dinitrotoluene	ND	F1	200	27	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
2,6-Dinitrotoluene	ND	F1	200	29	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
2-Chloronaphthalene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
2-Chlorophenol	ND		200	31	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
2-Methylnaphthalene	ND		200	32	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
2-Methylphenol	ND		200	32	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
2-Nitroaniline	ND	F1	390	34	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
2-Nitrophenol	ND		200	23	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
3,3'-Dichlorobenzidine	ND		390	59	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
3-Nitroaniline	ND		390	28	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
4,6-Dinitro-2-methylphenol	ND		390	44	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
4-Bromophenyl phenyl ether	ND	F1 F2	200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
4-Chloro-3-methylphenol	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
4-Chloroaniline	ND		200	29	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
4-Chlorophenyl phenyl ether	ND	F1	200	42	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
4-Methylphenol	ND		390	36	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
4-Nitroaniline	ND		390	29	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
4-Nitrophenol	ND		390	55	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Acenaphthene	ND	F1	200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Acenaphthylene	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Acetophenone	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Anthracene	ND	F1	200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Atrazine	ND	F1 F2	200	68	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1

Client Sample ID: MW-4 24-26
Date Collected: 08/12/25 13:30
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-6
Matrix: Solid
Percent Solids: 82.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		200	150	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Benzo[a]anthracene	ND	F1	200	28	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Benzo[a]pyrene	ND	F1	200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Benzo[b]fluoranthene	ND	F2	200	27	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Benzo[g,h,i]perylene	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Benzo[k]fluoranthene	ND		200	45	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Biphenyl	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Bis(2-chloroethoxy)methane	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Bis(2-chloroethyl)ether	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Bis(2-ethylhexyl) phthalate	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Butyl benzyl phthalate	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Caprolactam	ND		200	46	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Carbazole	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Chrysene	ND	F1 F2	200	48	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Dibenz(a,h)anthracene	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Dibenzofuran	ND	F1	200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Diethyl phthalate	ND	F1	200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Dimethyl phthalate	ND	F1 F2	200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Di-n-butyl phthalate	ND		200	45	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Di-n-octyl phthalate	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Fluoranthene	ND	F1	200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Fluorene	ND	F1 F2	200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Hexachlorobenzene	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Hexachlorocyclopentadiene	ND		390	88	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Hexachloroethane	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Indeno[1,2,3-cd]pyrene	ND	F1 F2	200	30	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Isophorone	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Naphthalene	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Nitrobenzene	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
N-Nitrosodi-n-propylamine	ND		200	45	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
N-Nitrosodiphenylamine	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Pentachlorophenol	ND		390	64	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Phenanthrene	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Phenol	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1
Pyrene	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 17:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6600*	*T J*	*ug/Kg*	☼	*1.96*	*N/A*	*08/15/25 06:57*	*08/18/25 17:40*	*1*
Unknown	*1500*	*T J*	*ug/Kg*	☼	*3.43*	*N/A*	*08/15/25 06:57*	*08/18/25 17:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*50*		*10 - 140*	*08/15/25 06:57*	*08/18/25 17:40*	*1*
2-Fluorobiphenyl (Surr)	*65*		*29 - 120*	*08/15/25 06:57*	*08/18/25 17:40*	*1*
2-Fluorophenol (Surr)	*60*		*18 - 120*	*08/15/25 06:57*	*08/18/25 17:40*	*1*
Nitrobenzene-d5 (Surr)	*59*		*22 - 120*	*08/15/25 06:57*	*08/18/25 17:40*	*1*
Phenol-d5 (Surr)	*60*		*23 - 120*	*08/15/25 06:57*	*08/18/25 17:40*	*1*
p-Terphenyl-d14 (Surr)	*67*		*28 - 124*	*08/15/25 06:57*	*08/18/25 17:40*	*1*

Client Sample ID: MW-4 24-26
Date Collected: 08/12/25 13:30
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-6
Matrix: Solid
Percent Solids: 82.0

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.0	0.78	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
4,4'-DDE	ND		4.0	0.85	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
4,4'-DDT	ND		4.0	0.94	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
Aldrin	ND		4.0	0.99	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
alpha-BHC	ND		4.0	0.72	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
cis-Chlordane	ND		4.0	2.0	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
beta-BHC	ND		4.0	0.72	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
delta-BHC	ND		4.0	0.75	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
Dieldrin	ND		4.0	0.97	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
Endosulfan I	ND		4.0	0.77	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
Endosulfan II	ND		4.0	0.72	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
Endosulfan sulfate	ND		4.0	0.75	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
Endrin	ND		4.0	0.80	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
Endrin aldehyde	ND		4.0	1.0	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
Endrin ketone	ND		4.0	0.99	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
gamma-BHC (Lindane)	ND		4.0	0.74	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
trans-Chlordane	ND		4.0	1.3	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
Heptachlor	ND		4.0	0.87	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
Heptachlor epoxide	ND		4.0	1.0	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
Methoxychlor	ND		4.0	0.82	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1
Toxaphene	ND		40	23	ug/Kg	☼	08/18/25 13:17	08/19/25 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*45 - 120*	*08/18/25 13:17*	*08/19/25 12:55*	*1*
DCB Decachlorobiphenyl	*94*		*45 - 120*	*08/18/25 13:17*	*08/19/25 12:55*	*1*
Tetrachloro-m-xylene	*79*		*30 - 124*	*08/18/25 13:17*	*08/19/25 12:55*	*1*
Tetrachloro-m-xylene	*80*		*30 - 124*	*08/18/25 13:17*	*08/19/25 12:55*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.052	mg/Kg	☼	08/18/25 11:08	08/19/25 13:02	1
PCB-1221	ND		0.27	0.052	mg/Kg	☼	08/18/25 11:08	08/19/25 13:02	1
PCB-1232	ND		0.27	0.052	mg/Kg	☼	08/18/25 11:08	08/19/25 13:02	1
PCB-1242	ND		0.27	0.052	mg/Kg	☼	08/18/25 11:08	08/19/25 13:02	1
PCB-1248	ND		0.27	0.052	mg/Kg	☼	08/18/25 11:08	08/19/25 13:02	1
PCB-1254	ND		0.27	0.13	mg/Kg	☼	08/18/25 11:08	08/19/25 13:02	1
PCB-1260	ND		0.27	0.13	mg/Kg	☼	08/18/25 11:08	08/19/25 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*135*		*60 - 154*	*08/18/25 11:08*	*08/19/25 13:02*	*1*
Tetrachloro-m-xylene	*125*		*60 - 154*	*08/18/25 11:08*	*08/19/25 13:02*	*1*
DCB Decachlorobiphenyl	*144*		*65 - 174*	*08/18/25 11:08*	*08/19/25 13:02*	*1*
DCB Decachlorobiphenyl	*121*		*65 - 174*	*08/18/25 11:08*	*08/19/25 13:02*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		20	6.4	ug/Kg	☼	08/15/25 11:47	08/20/25 17:20	1
Silvex (2,4,5-TP)	ND		20	7.2	ug/Kg	☼	08/15/25 11:47	08/20/25 17:20	1
2,4-D	ND		20	13	ug/Kg	☼	08/15/25 11:47	08/20/25 17:20	1
Dichlorprop	ND		20	10	ug/Kg	☼	08/15/25 11:47	08/20/25 17:20	1

Client Sample ID: MW-4 24-26

Date Collected: 08/12/25 13:30
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-6

Matrix: Solid
Percent Solids: 82.0

Method: SW846 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		20	6.6	ug/Kg	☼	08/15/25 11:47	08/20/25 17:20	1
Picloram	ND		20	8.7	ug/Kg	☼	08/15/25 11:47	08/20/25 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*70*		*28 - 129*	*08/15/25 11:47*	*08/20/25 17:20*	*1*
2,4-Dichlorophenylacetic acid	*66*		*28 - 129*	*08/15/25 11:47*	*08/20/25 17:20*	*1*

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.49	0.12	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluoropentanoic acid (PFPeA)	ND		0.25	0.098	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluorohexanoic acid (PFHxA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluoroheptanoic acid (PFHpA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluorooctanoic acid (PFOA)	ND		0.25	0.13	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluorononanoic acid (PFNA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluorodecanoic acid (PFDA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluoroundecanoic acid (PFUnA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluorododecanoic acid (PFDoA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluorononanesulfonic acid (PFNS)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.49	0.12	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.49	0.12	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.49	0.12	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.25	0.065	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.2	0.31	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.2	0.31	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1

Client Sample ID: MW-4 24-26
Date Collected: 08/12/25 13:30
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-6
Matrix: Solid
Percent Solids: 82.0

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.49	0.12	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.2	0.31	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.2	0.31	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.25	0.061	ng/g	☼	08/18/25 09:34	08/19/25 02:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*141*	*5+	*8 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C5 PFPeA	*134*	*5+	*35 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C5 PFHxA	*127*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C4 PFHpA	*124*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C8 PFOA	*138*	*5+	*40 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C9 PFNA	*128*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C6 PFDA	*110*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C7 PFUnA	*113*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C2 PFTeDA	*117*		*20 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C3 PFBS	*137*	*5+	*40 - 135*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C3 PFHxS	*132*	*5+	*40 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C8 PFOS	*130*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C8 FOSA	*119*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
d3-NMeFOSAA	*139*	*5+	*40 - 135*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
d5-NEtFOSAA	*136*		*40 - 150*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C2 4:2 FTS	*145*		*40 - 165*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C2 6:2 FTS	*134*		*40 - 215*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C2 8:2 FTS	*133*		*40 - 275*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C3 HFPO-DA	*128*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
d7-N-MeFOSE-M	*74.1*		*20 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
d9-N-EtFOSE-M	*71.4*		*15 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
d5-NEtPFOSA	*95.9*		*10 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
d3-NMePFOSA	*96.8*		*10 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C2-PFDoA	*123*		*40 - 130*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C3-PFPrS	*139*		*20 - 150*	*08/18/25 09:34*	*08/19/25 02:43*	*1*
13C2 10:2 FTS	*140*		*40 - 275*	*08/18/25 09:34*	*08/19/25 02:43*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		11.8	10.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Antimony	ND		17.7	0.62	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Arsenic	**3.0**	**^5+**	2.4	1.0	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-4 24-26
Date Collected: 08/12/25 13:30
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-6
Matrix: Solid
Percent Solids: 82.0

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	77.3		0.59	0.17	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Beryllium	0.51		0.24	0.047	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Cadmium	0.15	J	0.24	0.083	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Calcium	53100		58.9	31.8	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Chromium	19.8		0.59	0.42	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Cobalt	8.3		0.59	0.12	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Copper	15.3	^5+	1.2	0.67	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Iron	15600		11.8	10	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Lead	28.9		1.2	0.54	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Magnesium	20200		23.6	10	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Manganese	366		1.2	0.33	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Nickel	15.7		5.9	0.29	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Potassium	4050		35.4	28.6	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Selenium	ND		4.7	0.94	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Silver	0.39	J ^5-	0.71	0.24	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Sodium	240		165	72.3	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Thallium	ND		7.1	0.90	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Vanadium	24.1		0.59	0.15	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1
Zinc	56.6		2.4	1.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:49	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.024	0.0056	mg/Kg	☼	08/19/25 08:54	08/19/25 11:04	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-5 4-6
Date Collected: 08/13/25 09:40
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-7
Matrix: Solid
Percent Solids: 86.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.1	0.22	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
1,1,2,2-Tetrachloroethane	ND		3.1	0.50	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1	0.70	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
1,1,2-Trichloroethane	ND		3.1	0.40	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
1,1-Dichloroethane	ND		3.1	0.37	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
1,1-Dichloroethene	ND		3.1	0.38	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
1,2,4-Trichlorobenzene	ND		3.1	0.19	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
1,2,4-Trimethylbenzene	ND		3.1	0.59	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
1,2-Dibromo-3-Chloropropane	ND		3.1	1.5	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
1,2-Dichlorobenzene	ND		3.1	0.24	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
1,2-Dichloroethane	ND		3.1	0.15	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
1,2-Dichloropropane	ND		3.1	1.5	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
1,3,5-Trimethylbenzene	ND		3.1	0.20	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
1,3-Dichlorobenzene	ND		3.1	0.16	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
1,4-Dichlorobenzene	ND		3.1	0.43	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
2-Butanone (MEK)	ND		15	1.1	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
2-Hexanone	ND		15	1.5	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
4-Isopropyltoluene	ND		3.1	0.25	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
4-Methyl-2-pentanone (MIBK)	ND		15	1.0	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Acetone	ND		15	2.6	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Benzene	ND		3.1	0.15	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Bromoform	ND		3.1	1.5	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Bromomethane	ND		3.1	0.28	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Carbon disulfide	ND		3.1	1.5	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Carbon tetrachloride	ND		3.1	0.30	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Chlorobenzene	ND		3.1	0.40	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Dibromochloromethane	ND		3.1	0.39	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Chloroethane	ND		3.1	0.69	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Chloroform	ND		3.1	0.19	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Chloromethane	ND		3.1	0.19	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
cis-1,2-Dichloroethene	ND		3.1	0.39	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Cyclohexane	ND		3.1	0.43	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Bromodichloromethane	ND		3.1	0.41	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Dichlorodifluoromethane	ND		3.1	0.25	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Ethylbenzene	ND		3.1	0.21	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
1,2-Dibromoethane	ND		3.1	0.39	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Isopropylbenzene	ND		3.1	0.46	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Methyl acetate	ND		15	1.9	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Methyl tert-butyl ether	ND		3.1	0.30	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Methylcyclohexane	ND		3.1	0.47	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Methylene Chloride	ND		3.1	1.4	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
m,p-Xylene	ND		6.1	0.51	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Naphthalene	ND		3.1	0.41	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
n-Butylbenzene	ND		3.1	0.27	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
N-Propylbenzene	ND		3.1	0.25	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
o-Xylene	ND		3.1	0.40	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
sec-Butylbenzene	ND		3.1	0.27	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Tetrachloroethene	ND		3.1	0.41	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Toluene	ND		3.1	0.23	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1

Client Sample ID: MW-5 4-6
Date Collected: 08/13/25 09:40
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-7
Matrix: Solid
Percent Solids: 86.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.1	0.32	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
trans-1,3-Dichloropropene	ND		3.1	1.3	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Trichloroethene	ND		3.1	0.67	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Trichlorofluoromethane	ND		3.1	0.29	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Vinyl chloride	ND		3.1	0.37	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Xylenes, Total	ND		6.1	0.51	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
cis-1,3-Dichloropropene	ND		3.1	0.44	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
Styrene	ND		3.1	0.15	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1
tert-Butylbenzene	ND		3.1	0.32	ug/Kg	☼	08/14/25 14:45	08/18/25 02:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*4.1*	*T J*	*ug/Kg*	☼	*9.50*	*N/A*	*08/14/25 14:45*	*08/18/25 02:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*64 - 126*	*08/14/25 14:45*	*08/18/25 02:52*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*08/14/25 14:45*	*08/18/25 02:52*	*1*
Toluene-d8 (Surr)	*97*		*71 - 125*	*08/14/25 14:45*	*08/18/25 02:52*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*08/14/25 14:45*	*08/18/25 02:52*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		110	43	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
2,4,5-Trichlorophenol	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
2,4-Dichlorophenol	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
2,4-Dimethylphenol	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
2,4-Dinitrophenol	ND		1900	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
2,4-Dinitrotoluene	ND		200	26	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
2,6-Dinitrotoluene	ND		200	28	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
2-Chloronaphthalene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
2-Chlorophenol	ND		200	30	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
2-Methylnaphthalene	ND		200	31	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
2-Methylphenol	ND		200	31	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
2-Nitroaniline	ND		380	33	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
2-Nitrophenol	ND		200	22	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
3,3'-Dichlorobenzidine	ND		380	57	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
3-Nitroaniline	ND		380	27	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
4,6-Dinitro-2-methylphenol	ND		380	43	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
4-Bromophenyl phenyl ether	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
4-Chloro-3-methylphenol	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
4-Chloroaniline	ND		200	28	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
4-Chlorophenyl phenyl ether	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
4-Methylphenol	ND		380	35	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
4-Nitroaniline	ND		380	28	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
4-Nitrophenol	ND		380	53	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Acenaphthene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Acenaphthylene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Acetophenone	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Anthracene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Atrazine	ND		200	66	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1

Client Sample ID: MW-5 4-6
Date Collected: 08/13/25 09:40
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-7
Matrix: Solid
Percent Solids: 86.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		200	150	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Benzo[a]anthracene	ND		200	27	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Benzo[a]pyrene	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Benzo[b]fluoranthene	ND		200	26	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Benzo[g,h,i]perylene	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Benzo[k]fluoranthene	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Biphenyl	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Bis(2-chloroethoxy)methane	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Bis(2-chloroethyl)ether	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Bis(2-ethylhexyl) phthalate	ND		200	42	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Butyl benzyl phthalate	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Caprolactam	ND		200	45	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Carbazole	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Chrysene	ND		200	47	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Dibenz(a,h)anthracene	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Dibenzofuran	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Diethyl phthalate	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Dimethyl phthalate	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Di-n-butyl phthalate	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Di-n-octyl phthalate	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Fluoranthene	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Fluorene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Hexachlorobenzene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Hexachlorobutadiene	ND		200	29	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Hexachlorocyclopentadiene	ND		380	85	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Hexachloroethane	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Indeno[1,2,3-cd]pyrene	ND		200	29	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Isophorone	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Naphthalene	ND		200	32	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Nitrobenzene	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
N-Nitrosodi-n-propylamine	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
N-Nitrosodiphenylamine	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Pentachlorophenol	ND		380	62	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Phenanthrene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Phenol	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1
Pyrene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6000*	*T J*	*ug/Kg*	☼	*1.86*	*N/A*	*08/15/25 06:57*	*08/18/25 20:09*	*1*
Unknown	*12000*	*T J*	*ug/Kg*	☼	*1.97*	*N/A*	*08/15/25 06:57*	*08/18/25 20:09*	*1*
Unknown	*1700*	*T J*	*ug/Kg*	☼	*3.43*	*N/A*	*08/15/25 06:57*	*08/18/25 20:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*10 - 140*	*08/15/25 06:57*	*08/18/25 20:09*	*1*
2-Fluorobiphenyl (Surr)	*82*		*29 - 120*	*08/15/25 06:57*	*08/18/25 20:09*	*1*
2-Fluorophenol (Surr)	*73*		*18 - 120*	*08/15/25 06:57*	*08/18/25 20:09*	*1*
Nitrobenzene-d5 (Surr)	*76*		*22 - 120*	*08/15/25 06:57*	*08/18/25 20:09*	*1*
Phenol-d5 (Surr)	*79*		*23 - 120*	*08/15/25 06:57*	*08/18/25 20:09*	*1*
p-Terphenyl-d14 (Surr)	*87*		*28 - 124*	*08/15/25 06:57*	*08/18/25 20:09*	*1*

Client Sample ID: MW-5 4-6

Date Collected: 08/13/25 09:40
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-7

Matrix: Solid
Percent Solids: 86.6

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.8	0.74	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
4,4'-DDE	ND		3.8	0.80	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
4,4'-DDT	ND		3.8	0.90	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
Aldrin	ND		3.8	0.94	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
alpha-BHC	ND		3.8	0.69	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
cis-Chlordane	ND		3.8	1.9	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
beta-BHC	ND		3.8	0.69	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
delta-BHC	ND		3.8	0.71	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
Dieldrin	ND		3.8	0.92	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
Endosulfan I	ND		3.8	0.74	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
Endosulfan II	ND		3.8	0.69	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
Endosulfan sulfate	**1.0**	**J**	3.8	0.71	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
Endrin	ND		3.8	0.76	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
Endrin aldehyde	ND		3.8	0.98	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
Endrin ketone	ND		3.8	0.94	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
gamma-BHC (Lindane)	ND		3.8	0.70	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
trans-Chlordane	ND		3.8	1.2	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
Heptachlor	ND		3.8	0.83	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
Heptachlor epoxide	ND		3.8	0.99	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
Methoxychlor	ND		3.8	0.78	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1
Toxaphene	ND		38	22	ug/Kg	☼	08/18/25 13:17	08/19/25 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*45 - 120*	*08/18/25 13:17*	*08/19/25 13:15*	*1*
DCB Decachlorobiphenyl	*91*		*45 - 120*	*08/18/25 13:17*	*08/19/25 13:15*	*1*
Tetrachloro-m-xylene	*73*		*30 - 124*	*08/18/25 13:17*	*08/19/25 13:15*	*1*
Tetrachloro-m-xylene	*75*		*30 - 124*	*08/18/25 13:17*	*08/19/25 13:15*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.042	mg/Kg	☼	08/18/25 11:08	08/19/25 13:20	1
PCB-1221	ND		0.22	0.042	mg/Kg	☼	08/18/25 11:08	08/19/25 13:20	1
PCB-1232	ND		0.22	0.042	mg/Kg	☼	08/18/25 11:08	08/19/25 13:20	1
PCB-1242	ND		0.22	0.042	mg/Kg	☼	08/18/25 11:08	08/19/25 13:20	1
PCB-1248	ND		0.22	0.042	mg/Kg	☼	08/18/25 11:08	08/19/25 13:20	1
PCB-1254	ND		0.22	0.10	mg/Kg	☼	08/18/25 11:08	08/19/25 13:20	1
PCB-1260	ND		0.22	0.10	mg/Kg	☼	08/18/25 11:08	08/19/25 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*127*		*60 - 154*	*08/18/25 11:08*	*08/19/25 13:20*	*1*
Tetrachloro-m-xylene	*122*		*60 - 154*	*08/18/25 11:08*	*08/19/25 13:20*	*1*
DCB Decachlorobiphenyl	*141*		*65 - 174*	*08/18/25 11:08*	*08/19/25 13:20*	*1*
DCB Decachlorobiphenyl	*116*		*65 - 174*	*08/18/25 11:08*	*08/19/25 13:20*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		19	6.1	ug/Kg	☼	08/15/25 11:47	08/20/25 19:11	1
Silvex (2,4,5-TP)	ND		19	6.9	ug/Kg	☼	08/15/25 11:47	08/20/25 19:11	1
2,4-D	ND		19	12	ug/Kg	☼	08/15/25 11:47	08/20/25 19:11	1
Dichlorprop	ND		19	9.5	ug/Kg	☼	08/15/25 11:47	08/20/25 19:11	1

Client Sample ID: MW-5 4-6

Date Collected: 08/13/25 09:40
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-7

Matrix: Solid
Percent Solids: 86.6

Method: SW846 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		19	6.2	ug/Kg	☼	08/15/25 11:47	08/20/25 19:11	1
Picloram	ND		19	8.2	ug/Kg	☼	08/15/25 11:47	08/20/25 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*68*		*28 - 129*	*08/15/25 11:47*	*08/20/25 19:11*	*1*
2,4-Dichlorophenylacetic acid	*66*		*28 - 129*	*08/15/25 11:47*	*08/20/25 19:11*	*1*

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.46	0.11	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.091	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.13	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluorooctanesulfonic acid (PFOS)	**0.15**	**J**	0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluorononanesulfonic acid (PFNS)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.46	0.11	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.46	0.11	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.46	0.11	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.061	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.1	0.29	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.1	0.29	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1

Client Sample ID: MW-5 4-6

Date Collected: 08/13/25 09:40
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-7

Matrix: Solid
Percent Solids: 86.6

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.46	0.11	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.1	0.29	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.1	0.29	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.23	0.057	ng/g	☼	08/18/25 09:34	08/19/25 03:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*141*	*5+	*8 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C5 PFPeA	*142*	*5+	*35 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C5 PFHxA	*126*		*40 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C4 PFHpA	*128*		*40 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C8 PFOA	*144*	*5+	*40 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C9 PFNA	*134*	*5+	*40 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C6 PFDA	*114*		*40 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C7 PFUnA	*111*		*40 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C2 PFTeDA	*113*		*20 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C3 PFBS	*124*		*40 - 135*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C3 PFHxS	*120*		*40 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C8 PFOS	*117*		*40 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C8 FOSA	*120*		*40 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
d3-NMeFOSAA	*132*		*40 - 135*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
d5-NEtFOSAA	*134*		*40 - 150*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C2 4:2 FTS	*122*		*40 - 165*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C2 6:2 FTS	*116*		*40 - 215*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C2 8:2 FTS	*111*		*40 - 275*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C3 HFPO-DA	*136*	*5+	*40 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
d7-N-MeFOSE-M	*87.1*		*20 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
d9-N-EtFOSE-M	*90.4*		*15 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
d5-NEtPFOSA	*96.5*		*10 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
d3-NMePFOSA	*97.8*		*10 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C2-PFDoA	*120*		*40 - 130*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C3-PFPrS	*122*		*20 - 150*	*08/18/25 09:34*	*08/19/25 03:00*	*1*
13C2 10:2 FTS	*117*		*40 - 275*	*08/18/25 09:34*	*08/19/25 03:00*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**22600**		11.7	10.1	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Antimony	ND		17.5	0.62	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Arsenic	**3.1**	**^5+**	2.3	1.0	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: MW-5 4-6
Date Collected: 08/13/25 09:40
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-7
Matrix: Solid
Percent Solids: 86.6

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	127		0.58	0.16	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Beryllium	0.88		0.23	0.047	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Cadmium	ND		0.23	0.082	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Calcium	26700		58.4	31.5	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Chromium	25.4		0.58	0.42	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Cobalt	7.9		0.58	0.12	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Copper	19.4	^5+	1.2	0.67	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Iron	22300		11.7	9.9	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Lead	20.0		1.2	0.54	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Magnesium	16800		23.4	9.9	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Manganese	237		1.2	0.33	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Nickel	21.7		5.8	0.29	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Potassium	4880		35.1	28.3	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Selenium	ND		4.7	0.94	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Silver	0.26	J ^5-	0.70	0.23	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Sodium	211		164	71.7	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Thallium	ND		7.0	0.89	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Vanadium	37.0		0.58	0.15	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1
Zinc	81.1		2.3	1.2	mg/Kg	☼	08/18/25 09:55	08/18/25 18:51	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	J	0.023	0.0053	mg/Kg	☼	08/19/25 08:54	08/19/25 11:06	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: SB-01 6-8
Date Collected: 08/12/25 08:30
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-8
Matrix: Solid
Percent Solids: 86.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.8	0.35	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.78	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.1	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
1,1,2-Trichloroethane	ND		4.8	0.62	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
1,1-Dichloroethane	ND		4.8	0.58	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
1,1-Dichloroethene	ND		4.8	0.59	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
1,2,4-Trichlorobenzene	ND		4.8	0.29	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
1,2,4-Trimethylbenzene	ND		4.8	0.92	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
1,2-Dibromo-3-Chloropropane	ND		4.8	2.4	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
1,2-Dichlorobenzene	ND		4.8	0.37	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
1,2-Dichloroethane	ND		4.8	0.24	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
1,2-Dichloropropane	ND		4.8	2.4	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
1,3,5-Trimethylbenzene	ND		4.8	0.31	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
1,3-Dichlorobenzene	ND		4.8	0.25	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
1,4-Dichlorobenzene	ND		4.8	0.67	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
2-Butanone (MEK)	ND		24	1.8	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
2-Hexanone	ND		24	2.4	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
4-Isopropyltoluene	ND		4.8	0.38	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.6	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Acetone	ND		24	4.0	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Benzene	ND		4.8	0.23	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Bromomethane	ND		4.8	0.43	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Carbon disulfide	ND		4.8	2.4	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Carbon tetrachloride	ND		4.8	0.46	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Chlorobenzene	ND		4.8	0.63	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Dibromochloromethane	ND		4.8	0.61	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Chloroethane	ND		4.8	1.1	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Chloroform	ND		4.8	0.30	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Chloromethane	ND		4.8	0.29	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
cis-1,2-Dichloroethene	ND		4.8	0.61	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Cyclohexane	ND		4.8	0.67	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Bromodichloromethane	ND		4.8	0.64	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Dichlorodifluoromethane	ND		4.8	0.40	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Ethylbenzene	ND		4.8	0.33	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
1,2-Dibromoethane	ND		4.8	0.61	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Isopropylbenzene	ND		4.8	0.72	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Methyl acetate	ND		24	2.9	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Methyl tert-butyl ether	ND		4.8	0.47	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Methylcyclohexane	ND		4.8	0.73	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Methylene Chloride	ND		4.8	2.2	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
m,p-Xylene	ND		9.6	0.80	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Naphthalene	ND		4.8	0.64	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
n-Butylbenzene	ND		4.8	0.42	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
N-Propylbenzene	ND		4.8	0.38	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
o-Xylene	ND		4.8	0.63	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
sec-Butylbenzene	ND		4.8	0.42	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Tetrachloroethene	ND		4.8	0.64	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Toluene	ND		4.8	0.36	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1

Client Sample ID: SB-01 6-8
Date Collected: 08/12/25 08:30
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-8
Matrix: Solid
Percent Solids: 86.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		4.8	0.49	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
trans-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Trichloroethene	ND		4.8	1.1	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Trichlorofluoromethane	ND		4.8	0.45	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Vinyl chloride	ND		4.8	0.58	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Xylenes, Total	ND		9.6	0.80	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
cis-1,3-Dichloropropene	ND		4.8	0.69	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
Styrene	ND		4.8	0.24	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1
tert-Butylbenzene	ND		4.8	0.50	ug/Kg	☼	08/14/25 14:45	08/18/25 03:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*17*	*T H J*	*ug/Kg*	☼	*9.50*	*N/A*	*08/14/25 14:45*	*08/18/25 03:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*64 - 126*	*08/14/25 14:45*	*08/18/25 03:16*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 126*	*08/14/25 14:45*	*08/18/25 03:16*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*08/14/25 14:45*	*08/18/25 03:16*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*08/14/25 14:45*	*08/18/25 03:16*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		110	41	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
2,4,5-Trichlorophenol	ND		190	38	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
2,4,6-Trichlorophenol	ND		190	28	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
2,4-Dichlorophenol	ND		190	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
2,4-Dimethylphenol	ND		190	39	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
2,4-Dinitrophenol	ND		1800	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
2,4-Dinitrotoluene	ND		190	25	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
2,6-Dinitrotoluene	ND		190	27	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
2-Chloronaphthalene	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
2-Chlorophenol	ND		190	29	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
2-Methylnaphthalene	ND		190	29	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
2-Methylphenol	ND		190	30	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
2-Nitroaniline	ND		360	32	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
2-Nitrophenol	ND		190	21	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
3,3'-Dichlorobenzidine	ND		360	55	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
3-Nitroaniline	ND		360	26	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
4,6-Dinitro-2-methylphenol	ND		360	41	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
4-Bromophenyl phenyl ether	ND		190	32	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
4-Chloro-3-methylphenol	ND		190	38	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
4-Chloroaniline	ND		190	27	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
4-Chlorophenyl phenyl ether	ND		190	39	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
4-Methylphenol	ND		360	33	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
4-Nitroaniline	ND		360	27	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
4-Nitrophenol	ND		360	51	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Acenaphthene	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Acenaphthylene	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Acetophenone	ND		190	33	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Anthracene	ND		190	34	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Atrazine	ND		190	63	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1

Client Sample ID: SB-01 6-8
Date Collected: 08/12/25 08:30
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-8
Matrix: Solid
Percent Solids: 86.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		190	140	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Benzo[a]anthracene	ND		190	26	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Benzo[a]pyrene	ND		190	32	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Benzo[b]fluoranthene	ND		190	25	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Benzo[g,h,i]perylene	ND		190	33	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Benzo[k]fluoranthene	ND		190	42	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Biphenyl	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
bis (2-chloroisopropyl) ether	ND		190	38	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Bis(2-chloroethoxy)methane	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Bis(2-chloroethyl)ether	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Bis(2-ethylhexyl) phthalate	ND		190	41	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Butyl benzyl phthalate	ND		190	34	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Caprolactam	ND		190	43	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Carbazole	ND		190	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Chrysene	ND		190	45	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Dibenz(a,h)anthracene	ND		190	38	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Dibenzofuran	ND		190	33	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Diethyl phthalate	ND		190	33	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Dimethyl phthalate	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Di-n-butyl phthalate	ND		190	42	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Di-n-octyl phthalate	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Fluoranthene	**40**	**J**	190	34	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Fluorene	ND		190	34	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Hexachlorobenzene	ND		190	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Hexachlorobutadiene	ND		190	28	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Hexachlorocyclopentadiene	ND		360	82	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Hexachloroethane	ND		190	34	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Indeno[1,2,3-cd]pyrene	ND		190	28	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Isophorone	ND		190	38	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Naphthalene	ND		190	31	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Nitrobenzene	ND		190	31	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
N-Nitrosodi-n-propylamine	ND		190	42	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
N-Nitrosodiphenylamine	ND		190	31	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Pentachlorophenol	ND		360	60	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Phenanthrene	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Phenol	ND		190	34	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1
Pyrene	ND		190	35	ug/Kg	☼	08/15/25 06:57	08/18/25 20:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*17000*	*T J*	*ug/Kg*	☼	*1.97*	*N/A*	*08/15/25 06:57*	*08/18/25 20:33*	*1*
Unknown	*1800*	*T J*	*ug/Kg*	☼	*3.43*	*N/A*	*08/15/25 06:57*	*08/18/25 20:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*10 - 140*	*08/15/25 06:57*	*08/18/25 20:33*	*1*
2-Fluorobiphenyl (Surr)	*77*		*29 - 120*	*08/15/25 06:57*	*08/18/25 20:33*	*1*
2-Fluorophenol (Surr)	*73*		*18 - 120*	*08/15/25 06:57*	*08/18/25 20:33*	*1*
Nitrobenzene-d5 (Surr)	*70*		*22 - 120*	*08/15/25 06:57*	*08/18/25 20:33*	*1*
Phenol-d5 (Surr)	*76*		*23 - 120*	*08/15/25 06:57*	*08/18/25 20:33*	*1*
p-Terphenyl-d14 (Surr)	*79*		*28 - 124*	*08/15/25 06:57*	*08/18/25 20:33*	*1*

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: SB-01 6-8
Date Collected: 08/12/25 08:30
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-8
Matrix: Solid
Percent Solids: 86.5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8660		11.1	9.6	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Antimony	ND		16.7	0.59	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Arsenic	2.2	^5+	2.2	0.98	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Barium	52.2		0.56	0.16	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Beryllium	0.36		0.22	0.044	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Cadmium	0.11	J	0.22	0.078	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Calcium	53700		55.5	30.0	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Chromium	11.0		0.56	0.40	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Cobalt	4.5		0.56	0.11	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Copper	10.0	^5+	1.1	0.63	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Iron	11700		11.1	9.4	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Lead	14.3		1.1	0.51	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Magnesium	22300		22.2	9.4	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Manganese	304		1.1	0.31	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Nickel	10		5.6	0.28	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Potassium	2750		33.3	26.9	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Selenium	ND		4.4	0.89	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Silver	ND	^5-	0.67	0.22	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Sodium	244		155	68.1	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Thallium	ND		6.7	0.84	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Vanadium	19.7		0.56	0.14	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1
Zinc	41.0		2.2	1.1	mg/Kg	☼	08/18/25 09:55	08/18/25 18:59	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.024	0.0055	mg/Kg	☼	08/19/25 08:54	08/19/25 11:10	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: SB-02 10-12
Date Collected: 08/12/25 12:40
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-9
Matrix: Solid
Percent Solids: 86.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.3	0.24	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
1,1,2,2-Tetrachloroethane	ND		3.3	0.53	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.3	0.74	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
1,1,2-Trichloroethane	ND		3.3	0.42	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
1,1-Dichloroethane	ND		3.3	0.40	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
1,1-Dichloroethene	ND		3.3	0.40	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
1,2,4-Trichlorobenzene	ND		3.3	0.20	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
1,2,4-Trimethylbenzene	ND		3.3	0.63	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
1,2-Dibromo-3-Chloropropane	ND		3.3	1.6	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
1,2-Dichlorobenzene	ND		3.3	0.25	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
1,2-Dichloroethane	ND		3.3	0.16	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
1,2-Dichloropropane	ND		3.3	1.6	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
1,3,5-Trimethylbenzene	ND		3.3	0.21	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
1,3-Dichlorobenzene	ND		3.3	0.17	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
1,4-Dichlorobenzene	ND		3.3	0.46	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
2-Butanone (MEK)	ND		16	1.2	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
2-Hexanone	ND		16	1.6	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
4-Isopropyltoluene	ND		3.3	0.26	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
4-Methyl-2-pentanone (MIBK)	ND		16	1.1	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Acetone	**13**	**J**	16	2.7	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Benzene	ND		3.3	0.16	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Bromoform	ND		3.3	1.6	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Bromomethane	ND		3.3	0.29	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Carbon disulfide	ND		3.3	1.6	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Carbon tetrachloride	ND		3.3	0.32	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Chlorobenzene	ND		3.3	0.43	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Dibromochloromethane	ND		3.3	0.42	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Chloroethane	ND		3.3	0.74	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Chloroform	ND		3.3	0.20	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Chloromethane	ND		3.3	0.20	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
cis-1,2-Dichloroethene	**6.4**		3.3	0.42	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Cyclohexane	ND		3.3	0.46	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Bromodichloromethane	ND		3.3	0.44	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Dichlorodifluoromethane	ND		3.3	0.27	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Ethylbenzene	ND		3.3	0.22	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
1,2-Dibromoethane	ND		3.3	0.42	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Isopropylbenzene	ND		3.3	0.49	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Methyl acetate	ND		16	2.0	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Methyl tert-butyl ether	ND		3.3	0.32	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Methylcyclohexane	ND		3.3	0.50	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Methylene Chloride	ND		3.3	1.5	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
m,p-Xylene	ND		6.5	0.55	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Naphthalene	ND		3.3	0.44	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
n-Butylbenzene	ND		3.3	0.28	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
N-Propylbenzene	ND		3.3	0.26	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
o-Xylene	ND		3.3	0.43	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
sec-Butylbenzene	ND		3.3	0.28	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Tetrachloroethene	**27**		3.3	0.44	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Toluene	ND		3.3	0.25	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: SB-02 10-12
Date Collected: 08/12/25 12:40
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-9
Matrix: Solid
Percent Solids: 86.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.3	0.34	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
trans-1,3-Dichloropropene	ND		3.3	1.4	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Trichloroethene	**12**		3.3	0.72	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Trichlorofluoromethane	ND		3.3	0.31	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Vinyl chloride	ND		3.3	0.40	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Xylenes, Total	ND		6.5	0.55	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
cis-1,3-Dichloropropene	ND		3.3	0.47	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
Styrene	ND		3.3	0.16	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1
tert-Butylbenzene	ND		3.3	0.34	ug/Kg	☼	08/14/25 14:45	08/18/25 03:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H*	*ug/Kg*	☼		*N/A*	*08/14/25 14:45*	*08/18/25 03:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*64 - 126*	*08/14/25 14:45*	*08/18/25 03:39*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 126*	*08/14/25 14:45*	*08/18/25 03:39*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*08/14/25 14:45*	*08/18/25 03:39*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*08/14/25 14:45*	*08/18/25 03:39*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		110	43	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
2,4,5-Trichlorophenol	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
2,4,6-Trichlorophenol	ND		200	30	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
2,4-Dichlorophenol	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
2,4-Dimethylphenol	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
2,4-Dinitrophenol	ND		1900	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
2,4-Dinitrotoluene	ND		200	26	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
2,6-Dinitrotoluene	ND		200	28	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
2-Chloronaphthalene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
2-Chlorophenol	ND		200	30	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
2-Methylnaphthalene	ND		200	31	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
2-Methylphenol	ND		200	31	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
2-Nitroaniline	ND		380	33	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
2-Nitrophenol	ND		200	22	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
3,3'-Dichlorobenzidine	ND		380	57	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
3-Nitroaniline	ND		380	27	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
4,6-Dinitro-2-methylphenol	ND		380	43	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
4-Bromophenyl phenyl ether	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
4-Chloro-3-methylphenol	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
4-Chloroaniline	ND		200	28	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
4-Chlorophenyl phenyl ether	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
4-Methylphenol	ND		380	35	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
4-Nitroaniline	ND		380	29	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
4-Nitrophenol	ND		380	53	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Acenaphthene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Acenaphthylene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Acetophenone	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Anthracene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Atrazine	ND		200	66	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: SB-02 10-12
Date Collected: 08/12/25 12:40
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-9
Matrix: Solid
Percent Solids: 86.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		200	150	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Benzo[a]anthracene	ND		200	27	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Benzo[a]pyrene	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Benzo[b]fluoranthene	**31**	**J**	200	26	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Benzo[g,h,i]perylene	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Benzo[k]fluoranthene	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Biphenyl	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Bis(2-chloroethoxy)methane	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Bis(2-chloroethyl)ether	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Bis(2-ethylhexyl) phthalate	ND		200	42	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Butyl benzyl phthalate	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Caprolactam	ND		200	45	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Carbazole	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Chrysene	ND		200	47	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Dibenz(a,h)anthracene	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Dibenzofuran	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Diethyl phthalate	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Dimethyl phthalate	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Di-n-butyl phthalate	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Di-n-octyl phthalate	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Fluoranthene	**41**	**J**	200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Fluorene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Hexachlorobenzene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Hexachlorobutadiene	ND		200	29	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Hexachlorocyclopentadiene	ND		380	85	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Hexachloroethane	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Indeno[1,2,3-cd]pyrene	ND		200	29	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Isophorone	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Naphthalene	ND		200	32	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Nitrobenzene	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
N-Nitrosodi-n-propylamine	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
N-Nitrosodiphenylamine	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Pentachlorophenol	ND		380	62	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Phenanthrene	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Phenol	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1
Pyrene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 20:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*11000*	*T J*	*ug/Kg*	☼	*1.97*	*N/A*	*08/15/25 06:57*	*08/18/25 20:58*	*1*
Unknown	*1600*	*T J*	*ug/Kg*	☼	*3.43*	*N/A*	*08/15/25 06:57*	*08/18/25 20:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 140*	*08/15/25 06:57*	*08/18/25 20:58*	*1*
2-Fluorobiphenyl (Surr)	*82*		*29 - 120*	*08/15/25 06:57*	*08/18/25 20:58*	*1*
2-Fluorophenol (Surr)	*76*		*18 - 120*	*08/15/25 06:57*	*08/18/25 20:58*	*1*
Nitrobenzene-d5 (Surr)	*76*		*22 - 120*	*08/15/25 06:57*	*08/18/25 20:58*	*1*
Phenol-d5 (Surr)	*81*		*23 - 120*	*08/15/25 06:57*	*08/18/25 20:58*	*1*
p-Terphenyl-d14 (Surr)	*93*		*28 - 124*	*08/15/25 06:57*	*08/18/25 20:58*	*1*

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: SB-02 10-12

Date Collected: 08/12/25 12:40
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-9

Matrix: Solid
Percent Solids: 86.9

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14400		11.8	10.2	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Antimony	ND		17.8	0.63	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Arsenic	3.2	^5+	2.4	1.0	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Barium	69.3		0.59	0.17	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Beryllium	0.60		0.24	0.047	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Cadmium	0.19	J	0.24	0.083	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Calcium	57900		59.2	32.0	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Chromium	18.0		0.59	0.43	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Cobalt	8.1		0.59	0.12	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Copper	14.1	^5+	1.2	0.68	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Iron	17300		11.8	10.0	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Lead	13.0		1.2	0.54	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Magnesium	21500		23.7	10.0	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Manganese	403		1.2	0.33	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Nickel	18.2		5.9	0.30	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Potassium	4820		35.5	28.7	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Selenium	ND		4.7	0.95	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Silver	ND	^5-	0.71	0.24	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Sodium	286		166	72.6	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Thallium	ND		7.1	0.90	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Vanadium	28.1		0.59	0.15	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1
Zinc	56.8		2.4	1.2	mg/Kg	☼	08/18/25 09:55	08/18/25 19:01	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0097	J	0.023	0.0053	mg/Kg	☼	08/19/25 08:54	08/19/25 11:11	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: SB-03 2-4
Date Collected: 08/13/25 08:15
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-10
Matrix: Solid
Percent Solids: 81.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.8	0.28	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
1,1,2,2-Tetrachloroethane	ND		3.8	0.62	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.8	0.87	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
1,1,2-Trichloroethane	ND		3.8	0.49	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
1,1-Dichloroethane	ND		3.8	0.46	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
1,1-Dichloroethene	ND		3.8	0.47	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
1,2,4-Trichlorobenzene	ND		3.8	0.23	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
1,2,4-Trimethylbenzene	ND		3.8	0.73	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
1,2-Dibromo-3-Chloropropane	ND		3.8	1.9	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
1,2-Dichlorobenzene	ND		3.8	0.30	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
1,2-Dichloroethane	ND		3.8	0.19	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
1,2-Dichloropropane	ND		3.8	1.9	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
1,3,5-Trimethylbenzene	ND		3.8	0.24	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
1,3-Dichlorobenzene	ND		3.8	0.20	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
1,4-Dichlorobenzene	ND		3.8	0.53	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
2-Butanone (MEK)	ND		19	1.4	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
2-Hexanone	ND		19	1.9	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
4-Isopropyltoluene	ND		3.8	0.31	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
4-Methyl-2-pentanone (MIBK)	ND		19	1.2	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Acetone	ND		19	3.2	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Benzene	ND		3.8	0.19	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Bromoform	ND		3.8	1.9	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Bromomethane	ND		3.8	0.34	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Carbon disulfide	ND		3.8	1.9	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Carbon tetrachloride	ND		3.8	0.37	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Chlorobenzene	ND		3.8	0.50	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Dibromochloromethane	ND		3.8	0.49	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Chloroethane	ND		3.8	0.86	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Chloroform	ND		3.8	0.24	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Chloromethane	ND		3.8	0.23	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
cis-1,2-Dichloroethene	ND		3.8	0.49	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Cyclohexane	ND		3.8	0.53	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Bromodichloromethane	ND		3.8	0.51	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Dichlorodifluoromethane	ND		3.8	0.31	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Ethylbenzene	ND		3.8	0.26	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
1,2-Dibromoethane	ND		3.8	0.49	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Isopropylbenzene	ND		3.8	0.57	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Methyl acetate	ND		19	2.3	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Methyl tert-butyl ether	ND		3.8	0.37	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Methylcyclohexane	ND		3.8	0.58	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Methylene Chloride	ND		3.8	1.7	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
m,p-Xylene	ND		7.6	0.64	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Naphthalene	ND		3.8	0.51	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
n-Butylbenzene	ND		3.8	0.33	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
N-Propylbenzene	ND		3.8	0.30	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
o-Xylene	ND		3.8	0.50	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
sec-Butylbenzene	ND		3.8	0.33	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Tetrachloroethene	ND		3.8	0.51	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Toluene	ND		3.8	0.29	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: SB-03 2-4
Date Collected: 08/13/25 08:15
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-10
Matrix: Solid
Percent Solids: 81.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.8	0.39	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
trans-1,3-Dichloropropene	ND		3.8	1.7	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Trichloroethene	ND		3.8	0.84	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Trichlorofluoromethane	ND		3.8	0.36	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Vinyl chloride	ND		3.8	0.46	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Xylenes, Total	ND		7.6	0.64	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
cis-1,3-Dichloropropene	ND		3.8	0.55	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
Styrene	ND		3.8	0.19	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1
tert-Butylbenzene	ND		3.8	0.40	ug/Kg	☼	08/14/25 14:45	08/18/25 04:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*15*	*T J*	*ug/Kg*	☼	*9.50*	*N/A*	*08/14/25 14:45*	*08/18/25 04:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*64 - 126*	*08/14/25 14:45*	*08/18/25 04:03*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 126*	*08/14/25 14:45*	*08/18/25 04:03*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*08/14/25 14:45*	*08/18/25 04:03*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*08/14/25 14:45*	*08/18/25 04:03*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		120	44	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
2,4,5-Trichlorophenol	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
2,4,6-Trichlorophenol	ND		200	31	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
2,4-Dichlorophenol	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
2,4-Dimethylphenol	ND		200	42	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
2,4-Dinitrophenol	ND		2000	38	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
2,4-Dinitrotoluene	ND		200	27	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
2,6-Dinitrotoluene	ND		200	29	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
2-Chloronaphthalene	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
2-Chlorophenol	ND		200	32	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
2-Methylnaphthalene	ND		200	32	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
2-Methylphenol	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
2-Nitroaniline	ND		390	34	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
2-Nitrophenol	ND		200	23	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
3,3'-Dichlorobenzidine	ND		390	59	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
3-Nitroaniline	ND		390	28	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
4,6-Dinitro-2-methylphenol	ND		390	44	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
4-Bromophenyl phenyl ether	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
4-Chloro-3-methylphenol	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
4-Chloroaniline	ND		200	29	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
4-Chlorophenyl phenyl ether	ND		200	42	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
4-Methylphenol	ND		390	36	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
4-Nitroaniline	ND		390	30	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
4-Nitrophenol	ND		390	55	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Acenaphthene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Acenaphthylene	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Acetophenone	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Anthracene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Atrazine	ND		200	68	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1

Client Sample ID: SB-03 2-4
Date Collected: 08/13/25 08:15
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-10
Matrix: Solid
Percent Solids: 81.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		200	150	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Benzo[a]anthracene	ND		200	28	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Benzo[a]pyrene	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Benzo[b]fluoranthene	ND		200	27	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Benzo[g,h,i]perylene	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Benzo[k]fluoranthene	ND		200	45	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Biphenyl	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Bis(2-chloroethoxy)methane	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Bis(2-chloroethyl)ether	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Bis(2-ethylhexyl) phthalate	ND		200	44	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Butyl benzyl phthalate	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Caprolactam	ND		200	47	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Carbazole	ND		200	40	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Chrysene	ND		200	48	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Dibenz(a,h)anthracene	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Dibenzofuran	ND		200	35	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Diethyl phthalate	ND		200	36	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Dimethyl phthalate	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Di-n-butyl phthalate	ND		200	45	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Di-n-octyl phthalate	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Fluoranthene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Fluorene	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Hexachlorobenzene	ND		200	39	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Hexachlorocyclopentadiene	ND		390	88	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Hexachloroethane	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Indeno[1,2,3-cd]pyrene	ND		200	30	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Isophorone	ND		200	41	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Naphthalene	ND		200	33	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Nitrobenzene	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
N-Nitrosodi-n-propylamine	ND		200	45	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
N-Nitrosodiphenylamine	ND		200	34	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Pentachlorophenol	ND		390	64	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Phenanthrene	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Phenol	ND		200	37	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1
Pyrene	ND		200	38	ug/Kg	☼	08/15/25 06:57	08/18/25 21:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*12000*	*T J*	*ug/Kg*	☼	*1.97*	*N/A*	*08/15/25 06:57*	*08/18/25 21:23*	*1*
Unknown	*2300*	*T J*	*ug/Kg*	☼	*3.43*	*N/A*	*08/15/25 06:57*	*08/18/25 21:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*10 - 140*	*08/15/25 06:57*	*08/18/25 21:23*	*1*
2-Fluorobiphenyl (Surr)	*80*		*29 - 120*	*08/15/25 06:57*	*08/18/25 21:23*	*1*
2-Fluorophenol (Surr)	*77*		*18 - 120*	*08/15/25 06:57*	*08/18/25 21:23*	*1*
Nitrobenzene-d5 (Surr)	*80*		*22 - 120*	*08/15/25 06:57*	*08/18/25 21:23*	*1*
Phenol-d5 (Surr)	*77*		*23 - 120*	*08/15/25 06:57*	*08/18/25 21:23*	*1*
p-Terphenyl-d14 (Surr)	*89*		*28 - 124*	*08/15/25 06:57*	*08/18/25 21:23*	*1*

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: SB-03 2-4

Date Collected: 08/13/25 08:15
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-10

Matrix: Solid
Percent Solids: 81.0

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	21000		12.0	10.3	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Antimony	ND		18.0	0.64	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Arsenic	4.1	^5+	2.4	1.1	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Barium	111		0.60	0.17	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Beryllium	0.95		0.24	0.048	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Cadmium	0.20	J	0.24	0.084	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Calcium	3660		60.0	32.4	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Chromium	25.4		0.60	0.43	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Cobalt	15.8		0.60	0.12	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Copper	21.4	^5+	1.2	0.68	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Iron	26600		12.0	10.2	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Lead	23.2		1.2	0.55	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Magnesium	5440		24.0	10.2	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Manganese	916		1.2	0.34	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Nickel	25.9		6.0	0.30	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Potassium	4530		36.0	29.1	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Selenium	ND		4.8	0.96	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Silver	0.26	J ^5-	0.72	0.24	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Sodium	114	J	168	73.6	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Thallium	ND		7.2	0.91	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Vanadium	37.2		0.60	0.16	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1
Zinc	90.0		2.4	1.2	mg/Kg	☼	08/18/25 09:55	08/18/25 19:03	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.026	0.0059	mg/Kg	☼	08/19/25 08:54	08/19/25 11:12	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: SB-03 0-2
Date Collected: 08/13/25 08:15
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-11
Matrix: Solid
Percent Solids: 93.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4	0.32	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
1,1,2,2-Tetrachloroethane	ND		4.4	0.72	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4	1.0	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
1,1,2-Trichloroethane	ND		4.4	0.58	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
1,1-Dichloroethane	ND		4.4	0.54	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
1,1-Dichloroethene	ND		4.4	0.54	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
1,2,4-Trichlorobenzene	ND		4.4	0.27	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
1,2,4-Trimethylbenzene	ND		4.4	0.85	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
1,2-Dibromo-3-Chloropropane	ND		4.4	2.2	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
1,2-Dichlorobenzene	ND		4.4	0.35	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
1,2-Dichloroethane	ND		4.4	0.22	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
1,2-Dichloropropane	ND		4.4	2.2	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
1,3,5-Trimethylbenzene	**0.35**	**J**	4.4	0.29	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
1,3-Dichlorobenzene	ND		4.4	0.23	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
1,4-Dichlorobenzene	ND		4.4	0.62	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
2-Butanone (MEK)	**2.9**	**J**	22	1.6	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
2-Hexanone	ND		22	2.2	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
4-Isopropyltoluene	ND		4.4	0.36	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
4-Methyl-2-pentanone (MIBK)	ND		22	1.5	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Acetone	**30**		22	3.7	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Benzene	**1.3**	**J**	4.4	0.22	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Bromoform	ND		4.4	2.2	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Bromomethane	ND		4.4	0.40	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Carbon disulfide	ND		4.4	2.2	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Carbon tetrachloride	ND		4.4	0.43	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Chlorobenzene	ND		4.4	0.58	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Dibromochloromethane	ND		4.4	0.57	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Chloroethane	ND		4.4	1.0	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Chloroform	ND		4.4	0.27	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Chloromethane	ND		4.4	0.27	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
cis-1,2-Dichloroethene	ND		4.4	0.57	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Cyclohexane	**0.71**	**J**	4.4	0.62	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Bromodichloromethane	ND		4.4	0.59	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Dichlorodifluoromethane	ND		4.4	0.37	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Ethylbenzene	ND		4.4	0.31	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
1,2-Dibromoethane	ND		4.4	0.57	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Isopropylbenzene	ND		4.4	0.67	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Methyl acetate	ND		22	2.7	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Methyl tert-butyl ether	ND		4.4	0.44	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Methylcyclohexane	**1.6**	**J**	4.4	0.67	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Methylene Chloride	ND		4.4	2.0	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
m,p-Xylene	**0.87**	**J**	8.9	0.74	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Naphthalene	ND		4.4	0.59	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
n-Butylbenzene	ND		4.4	0.39	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
N-Propylbenzene	ND		4.4	0.35	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
o-Xylene	ND		4.4	0.58	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
sec-Butylbenzene	ND		4.4	0.39	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Tetrachloroethene	ND		4.4	0.59	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Toluene	**2.3**	**J**	4.4	0.33	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: SB-03 0-2
Date Collected: 08/13/25 08:15
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-11
Matrix: Solid
Percent Solids: 93.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		4.4	0.46	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
trans-1,3-Dichloropropene	ND		4.4	1.9	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Trichloroethene	ND		4.4	0.97	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Trichlorofluoromethane	ND		4.4	0.42	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Vinyl chloride	ND		4.4	0.54	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Xylenes, Total	**0.87**	**J**	8.9	0.74	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
cis-1,3-Dichloropropene	ND		4.4	0.64	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
Styrene	ND		4.4	0.22	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1
tert-Butylbenzene	ND		4.4	0.46	ug/Kg	☼	08/14/25 14:45	08/18/25 04:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*17*	*T J*	*ug/Kg*	☼	*9.50*	*N/A*	*08/14/25 14:45*	*08/18/25 04:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 126*	*08/14/25 14:45*	*08/18/25 04:26*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 126*	*08/14/25 14:45*	*08/18/25 04:26*	*1*
Toluene-d8 (Surr)	*97*		*71 - 125*	*08/14/25 14:45*	*08/18/25 04:26*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*08/14/25 14:45*	*08/18/25 04:26*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1100	390	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
2,4,5-Trichlorophenol	ND		1800	360	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
2,4,6-Trichlorophenol	ND		1800	270	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
2,4-Dichlorophenol	ND		1800	350	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
2,4-Dimethylphenol	ND		1800	380	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
2,4-Dinitrophenol	ND		18000	340	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
2,4-Dinitrotoluene	ND		1800	240	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
2,6-Dinitrotoluene	ND		1800	260	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
2-Chloronaphthalene	ND		1800	330	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
2-Chlorophenol	ND		1800	280	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
2-Methylnaphthalene	**450**	**J**	1800	280	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
2-Methylphenol	ND		1800	290	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
2-Nitroaniline	ND		3500	300	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
2-Nitrophenol	ND		1800	200	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
3,3'-Dichlorobenzidine	ND		3500	520	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
3-Nitroaniline	ND		3500	250	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
4,6-Dinitro-2-methylphenol	ND		3500	390	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
4-Bromophenyl phenyl ether	ND		1800	300	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
4-Chloro-3-methylphenol	ND		1800	370	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
4-Chloroaniline	ND		1800	260	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
4-Chlorophenyl phenyl ether	ND		1800	370	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
4-Methylphenol	ND		3500	320	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
4-Nitroaniline	ND		3500	260	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
4-Nitrophenol	ND		3500	490	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Acenaphthene	ND		1800	330	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Acenaphthylene	ND		1800	340	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Acetophenone	ND		1800	310	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Anthracene	ND		1800	330	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Atrazine	ND		1800	600	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10

Client Sample ID: SB-03 0-2
Date Collected: 08/13/25 08:15
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-11
Matrix: Solid
Percent Solids: 93.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		1800	1400	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Benzo[a]anthracene	**540**	**J**	1800	250	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Benzo[a]pyrene	**900**	**J**	1800	300	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Benzo[b]fluoranthene	**890**	**J**	1800	240	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Benzo[g,h,i]perylene	**1300**	**J**	1800	310	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Benzo[k]fluoranthene	**400**	**J**	1800	400	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Biphenyl	ND		1800	340	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
bis (2-chloroisopropyl) ether	ND		1800	370	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Bis(2-chloroethoxy)methane	ND		1800	340	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Bis(2-chloroethyl)ether	ND		1800	340	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Bis(2-ethylhexyl) phthalate	ND		1800	390	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Butyl benzyl phthalate	ND		1800	330	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Caprolactam	ND		1800	410	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Carbazole	ND		1800	350	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Chrysene	**850**	**J**	1800	430	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Dibenz(a,h)anthracene	ND		1800	360	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Dibenzofuran	ND		1800	310	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Diethyl phthalate	ND		1800	320	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Dimethyl phthalate	ND		1800	340	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Di-n-butyl phthalate	ND		1800	400	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Di-n-octyl phthalate	ND		1800	340	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Fluoranthene	**1400**	**J**	1800	330	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Fluorene	ND		1800	330	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Hexachlorobenzene	ND		1800	340	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Hexachlorobutadiene	ND		1800	270	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Hexachlorocyclopentadiene	ND		3500	780	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Hexachloroethane	ND		1800	330	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Indeno[1,2,3-cd]pyrene	**670**	**J**	1800	270	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Isophorone	ND		1800	370	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Naphthalene	ND		1800	300	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Nitrobenzene	ND		1800	300	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
N-Nitrosodi-n-propylamine	ND		1800	400	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
N-Nitrosodiphenylamine	ND		1800	300	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Pentachlorophenol	ND		3500	570	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Phenanthrene	**940**	**J**	1800	330	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Phenol	ND		1800	330	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10
Pyrene	**1400**	**J**	1800	340	ug/Kg	☼	08/15/25 06:57	08/18/25 21:48	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*19000*	*T J*	*ug/Kg*	☼	*3.44*	*N/A*	*08/15/25 06:57*	*08/18/25 21:48*	*10*
Unknown	*2900*	*T J*	*ug/Kg*	☼	*14.86*	*N/A*	*08/15/25 06:57*	*08/18/25 21:48*	*10*
Unknown	*3400*	*T J*	*ug/Kg*	☼	*15.12*	*N/A*	*08/15/25 06:57*	*08/18/25 21:48*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*57*		*10 - 140*	*08/15/25 06:57*	*08/18/25 21:48*	*10*
2-Fluorobiphenyl (Surr)	*90*		*29 - 120*	*08/15/25 06:57*	*08/18/25 21:48*	*10*
2-Fluorophenol (Surr)	*82*		*18 - 120*	*08/15/25 06:57*	*08/18/25 21:48*	*10*
Nitrobenzene-d5 (Surr)	*76*		*22 - 120*	*08/15/25 06:57*	*08/18/25 21:48*	*10*
Phenol-d5 (Surr)	*78*		*23 - 120*	*08/15/25 06:57*	*08/18/25 21:48*	*10*
p-Terphenyl-d14 (Surr)	*77*		*28 - 124*	*08/15/25 06:57*	*08/18/25 21:48*	*10*

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Client Sample ID: SB-03 0-2

Date Collected: 08/13/25 08:15
Date Received: 08/13/25 15:30

Lab Sample ID: 480-231828-11

Matrix: Solid
Percent Solids: 93.5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9100		11.2	9.7	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Antimony	ND		16.8	0.59	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Arsenic	10.7	^5+	2.2	0.99	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Barium	180		0.56	0.16	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Beryllium	0.66		0.22	0.045	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Cadmium	1.9		0.22	0.079	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Calcium	77600		56.1	30.3	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Chromium	449		0.56	0.40	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Cobalt	12.8		0.56	0.11	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Copper	81.6	^5+	1.1	0.64	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Iron	49400		11.2	9.5	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Lead	683		1.1	0.52	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Magnesium	12200		22.4	9.5	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Manganese	12800		56.1	15.7	mg/Kg	☼	08/18/25 09:55	08/19/25 11:58	50
Nickel	39.5		5.6	0.28	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Potassium	644		33.7	27.2	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Selenium	ND		4.5	0.90	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Silver	2.4	^5-	0.67	0.22	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Sodium	301		157	68.8	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Thallium	ND		6.7	0.85	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Vanadium	70.9		0.56	0.15	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1
Zinc	194		2.2	1.1	mg/Kg	☼	08/18/25 09:55	08/18/25 19:05	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.067		0.022	0.0050	mg/Kg	☼	08/19/25 08:54	08/19/25 11:14	1

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(71-125)	(60-140)
480-231828-1	MW-1 10-12	110	93	96	103
480-231828-2	MW-2 6-8	104	91	95	96
480-231828-3	MW-2 10-12	113	91	96	105
480-231828-4	MW-3 4-6	110	94	96	104
480-231828-5	MW-4 8-10	110	92	95	102
480-231828-6	MW-4 24-26	107	93	97	105
480-231828-7	MW-5 4-6	109	94	97	104
480-231828-8	SB-01 6-8	114	92	95	102
480-231828-9	SB-02 10-12	114	92	96	103
480-231828-10	SB-03 2-4	110	92	96	104
480-231828-11	SB-03 0-2	106	91	97	97
LCS 480-754374/1-A	Lab Control Sample	104	91	97	100
LCS 480-754549/1-A	Lab Control Sample	103	89	96	102
MB 480-754374/2-A	Method Blank	103	95	99	102
MB 480-754549/2-A	Method Blank	103	91	97	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(10-140)	(29-120)	(18-120)	(22-120)	(23-120)	(28-124)
480-231828-1	MW-1 10-12	71	79	73	77	73	88
480-231828-2	MW-2 6-8	70	84	75	75	79	90
480-231828-3	MW-2 10-12	70	74	68	70	73	85
480-231828-4	MW-3 4-6	76	82	72	75	76	89
480-231828-5	MW-4 8-10	66	80	78	79	83	88
480-231828-6	MW-4 24-26	50	65	60	59	60	67
480-231828-6 MS	MW-4 24-26	59	61	60	59	64	60
480-231828-6 MSD	MW-4 24-26	60	68	63	67	63	67
480-231828-7	MW-5 4-6	72	82	73	76	79	87
480-231828-8	SB-01 6-8	68	77	73	70	76	79
480-231828-9	SB-02 10-12	81	82	76	76	81	93
480-231828-10	SB-03 2-4	76	80	77	80	77	89
480-231828-11	SB-03 0-2	57	90	82	76	78	77
LCS 480-754398/2-A	Lab Control Sample	79	86	69	74	72	88
MB 480-754398/1-A	Method Blank	78	90	77	85	84	95

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(45-120)	(45-120)	(30-124)	(30-124)
480-231828-1	MW-1 10-12	96	97	75	80
480-231828-2	MW-2 6-8	90	103	76	75
480-231828-3	MW-2 10-12	90	93	50	49
480-231828-4	MW-3 4-6	98	95	52	52
480-231828-6	MW-4 24-26	93	94	79	80
480-231828-7	MW-5 4-6	95	91	73	75
LCS 480-754634/2-A	Lab Control Sample	112	114	82	82
MB 480-754634/1-A	Method Blank	91	96	70	70

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(60-154)	(65-174)	(65-174)
480-231828-1	MW-1 10-12	137	128	155	128
480-231828-2	MW-2 6-8	136	130	145	127
480-231828-4	MW-3 4-6	132	120	136	117
480-231828-6	MW-4 24-26	135	125	144	121
480-231828-7	MW-5 4-6	127	122	141	116
LCS 480-754619/2-A	Lab Control Sample	151	144	177 S1+	152
MB 480-754619/1-A	Method Blank	141	131	166	145

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(28-129)	(28-129)
480-231828-1	MW-1 10-12	68	65
480-231828-2	MW-2 6-8	65	63
480-231828-3	MW-2 10-12	70	67
480-231828-4	MW-3 4-6	79	74
480-231828-6	MW-4 24-26	70	66
480-231828-6 MS	MW-4 24-26	54	49
480-231828-6 MSD	MW-4 24-26	71	70
480-231828-7	MW-5 4-6	68	66
LCS 480-754473/2-A	Lab Control Sample	62	59
MB 480-754473/1-A	Method Blank	67	64

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (8-130)	PFPeA (35-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (40-130)
480-231828-1	MW-1 10-12	117	115	103	110	115	107	94.9	95.9
480-231828-2	MW-2 6-8	83.6	77.9	76.5	79.2	80.9	89.7	83.2	80.2
480-231828-4	MW-3 4-6	130	128	115	121	132 *5+	124	110	107
480-231828-6	MW-4 24-26	141 *5+	134 *5+	127	124	138 *5+	128	110	113
480-231828-7	MW-5 4-6	141 *5+	142 *5+	126	128	144 *5+	134 *5+	114	111
MB 240-668053/1-A	Method Blank	108	100	93.8	97.4	106	103	89.5	92.2
MB 240-668869/1-A	Method Blank	101	96.0	95.7	93.5	95.3	105	94.0	88.9

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (20-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-135)	d5NEFOS (40-150)	M242FTS (40-165)
480-231828-1	MW-1 10-12	96.0	107	101	99.5	100	112	121	103
480-231828-2	MW-2 6-8	84.8	70.1	76.3	81.3	78.5	87.7	83.1	63.6
480-231828-4	MW-3 4-6	116	119	117	116	114	127	136	132
480-231828-6	MW-4 24-26	117	137 *5+	132 *5+	130	119	139 *5+	136	145
480-231828-7	MW-5 4-6	113	124	120	117	120	132	134	122
MB 240-668053/1-A	Method Blank	97.5	109	109	105	101	115	131	119
MB 240-668869/1-A	Method Blank	91.0	99.6	99.3	99.6	91.6	96.6	88.1	96.2

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-215)	M282FTS (40-275)	HFPODA (40-130)	NMFM (20-130)	NEFM (15-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDoDA (40-130)
480-231828-1	MW-1 10-12	100	101	107	68.5	76.1	87.7	86.1	106
480-231828-2	MW-2 6-8	66.5	71.4	76.1	53.9	51.5	68.1	76.5	91.3
480-231828-4	MW-3 4-6	115	114	120	90.2	94.5	99.7	94.1	117
480-231828-6	MW-4 24-26	134	133	128	74.1	71.4	95.9	96.8	123
480-231828-7	MW-5 4-6	116	111	136 *5+	87.1	90.4	96.5	97.8	120
MB 240-668053/1-A	Method Blank	116	109	98.6	67.7	73.8	90.5	90.3	103
MB 240-668869/1-A	Method Blank	91.6	87.4	93.8	76.4	71.0	75.3	86.5	97.0

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	3C3-PFPr (20-150)	M102FTS (40-275)
480-231828-1	MW-1 10-12	108	107
480-231828-2	MW-2 6-8	73.2	64.5
480-231828-4	MW-3 4-6	119	130
480-231828-6	MW-4 24-26	139	140
480-231828-7	MW-5 4-6	122	117
MB 240-668053/1-A	Method Blank	114	120
MB 240-668869/1-A	Method Blank	97.2	78.7

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS

Eurofins Buffalo

8/27/2025

Isotope Dilution Summary

Client: LaBella Associates DPC
Job ID: 480-231828-1
Project/Site: 9 Lakeview Avenue Site,

C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoA
13C3-PFPrS = 13C3-PFPrS
M102FTS = 13C2 10:2 FTS

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(8-130)	(35-130)	(40-130)	(40-130)	(40-130)	(40-130)	(40-130)	(40-130)
LCS 240-668053/2-A	Lab Control Sample	126	118	109	116	122	116	103	103
LCS 240-668869/3-A	Lab Control Sample	101	89.7	93.6	94.4	95.0	100	86.6	78.4
LLCS 240-668053/3-A	Lab Control Sample	97.9	94.3	84.6	88.7	96.7	90.7	79.9	83.2
LLCS 240-668869/2-A	Lab Control Sample	101	91.5	90.6	87.4	95.0	101	89.0	84.3

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(20-130)	(40-135)	(40-130)	(40-130)	(40-130)	(40-135)	(40-150)	(40-165)
LCS 240-668053/2-A	Lab Control Sample	109	126	121	117	110	119	130	127
LCS 240-668869/3-A	Lab Control Sample	79.9	88.1	97.5	92.9	82.2	86.3	77.8	82.4
LLCS 240-668053/3-A	Lab Control Sample	85.8	98.3	94.7	92.2	87.8	97.4	103	113
LLCS 240-668869/2-A	Lab Control Sample	76.3	92.3	98.4	94.7	85.7	93.2	84.3	88.1

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoDA
Lab Sample ID	Client Sample ID	(40-215)	(40-275)	(40-130)	(20-130)	(15-130)	(10-130)	(10-130)	(40-130)
LCS 240-668053/2-A	Lab Control Sample	131	119	116	74.9	84.0	89.7	91.1	115
LCS 240-668869/3-A	Lab Control Sample	88.3	77.1	88.5	59.6	57.9	60.4	68.2	86.1
LLCS 240-668053/3-A	Lab Control Sample	100	93.7	86.2	52.6	60.7	75.6	76.0	91.8
LLCS 240-668869/2-A	Lab Control Sample	86.0	85.4	91.0	42.5	42.2	70.2	74.5	94.3

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		3C3-PFPr	M102FTS						
Lab Sample ID	Client Sample ID	(20-150)	(10-200)						
LCS 240-668053/2-A	Lab Control Sample	134	129						
LCS 240-668869/3-A	Lab Control Sample	95.6	63.0						
LLCS 240-668053/3-A	Lab Control Sample	102	101						
LLCS 240-668869/2-A	Lab Control Sample	92.1	73.6						

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA

Isotope Dilution Summary

Client: LaBella Associates DPC
Job ID: 480-231828-1
Project/Site: 9 Lakeview Avenue Site,

C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoA
13C3-PFPrS = 13C3-PFPrS
M102FTS = 13C2 10:2 FTS

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-754374/2-A
Matrix: Solid
Analysis Batch: 754378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754374

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
1,2,4-Trimethylbenzene	ND		5.0	0.96	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
1,3,5-Trimethylbenzene	ND		5.0	0.32	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
2-Hexanone	ND		25	2.5	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
4-Isopropyltoluene	ND		5.0	0.40	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Acetone	ND		25	4.2	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Benzene	ND		5.0	0.25	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Bromoform	ND		5.0	2.5	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Bromomethane	ND		5.0	0.45	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Chloroethane	ND		5.0	1.1	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Chloroform	ND		5.0	0.31	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Chloromethane	ND		5.0	0.30	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Cyclohexane	ND		5.0	0.70	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Methyl acetate	ND		25	3.0	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
m,p-Xylene	ND		10	0.84	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Naphthalene	ND		5.0	0.67	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
n-Butylbenzene	ND		5.0	0.44	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
N-Propylbenzene	ND		5.0	0.40	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
o-Xylene	ND		5.0	0.65	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
sec-Butylbenzene	ND		5.0	0.44	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		08/14/25 18:57	08/14/25 22:40	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-754374/2-A
Matrix: Solid
Analysis Batch: 754378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754374

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		5.0	0.38	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Trichloroethene	ND		5.0	1.1	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Xylenes, Total	ND		10	0.84	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
Styrene	ND		5.0	0.25	ug/Kg		08/14/25 18:57	08/14/25 22:40	1
tert-Butylbenzene	ND		5.0	0.52	ug/Kg		08/14/25 18:57	08/14/25 22:40	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*			*N/A*	*08/14/25 18:57*	*08/14/25 22:40*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*	*08/14/25 18:57*	*08/14/25 22:40*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 126*	*08/14/25 18:57*	*08/14/25 22:40*	*1*
Toluene-d8 (Surr)	*99*		*71 - 125*	*08/14/25 18:57*	*08/14/25 22:40*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*08/14/25 18:57*	*08/14/25 22:40*	*1*

Lab Sample ID: LCS 480-754374/1-A
Matrix: Solid
Analysis Batch: 754378

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754374

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	47.9		ug/Kg		96	77 - 121
1,1,2,2-Tetrachloroethane	50.0	52.6		ug/Kg		105	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.9		ug/Kg		98	60 - 140
1,1,2-Trichloroethane	50.0	46.4		ug/Kg		93	78 - 122
1,1-Dichloroethane	50.0	52.2		ug/Kg		104	73 - 126
1,1-Dichloroethene	50.0	49.1		ug/Kg		98	59 - 125
1,2,4-Trichlorobenzene	50.0	47.5		ug/Kg		95	64 - 120
1,2,4-Trimethylbenzene	50.0	51.6		ug/Kg		103	74 - 120
1,2-Dibromo-3-Chloropropane	50.0	49.6		ug/Kg		99	63 - 124
1,2-Dichlorobenzene	50.0	48.5		ug/Kg		97	75 - 120
1,2-Dichloroethane	50.0	51.3		ug/Kg		103	77 - 122
1,2-Dichloropropane	50.0	52.5		ug/Kg		105	75 - 124
1,3,5-Trimethylbenzene	50.0	52.0		ug/Kg		104	74 - 120
1,3-Dichlorobenzene	50.0	48.7		ug/Kg		97	74 - 120
1,4-Dichlorobenzene	50.0	47.2		ug/Kg		94	73 - 120
2-Butanone (MEK)	250	275		ug/Kg		110	70 - 134
2-Hexanone	250	255		ug/Kg		102	59 - 130
4-Isopropyltoluene	50.0	51.1		ug/Kg		102	74 - 120
4-Methyl-2-pentanone (MIBK)	250	252		ug/Kg		101	65 - 133
Acetone	250	279		ug/Kg		111	61 - 137
Benzene	50.0	50.7		ug/Kg		101	79 - 127
Bromoform	50.0	44.4		ug/Kg		89	68 - 126

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-754374/1-A
Matrix: Solid
Analysis Batch: 754378

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754374

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	50.0	47.9		ug/Kg		96	37 - 149
Carbon disulfide	50.0	49.9		ug/Kg		100	64 - 131
Carbon tetrachloride	50.0	46.1		ug/Kg		92	75 - 135
Chlorobenzene	50.0	46.6		ug/Kg		93	76 - 124
Dibromochloromethane	50.0	47.9		ug/Kg		96	76 - 125
Chloroethane	50.0	50.3		ug/Kg		101	69 - 135
Chloroform	50.0	49.6		ug/Kg		99	80 - 120
Chloromethane	50.0	49.4		ug/Kg		99	63 - 127
cis-1,2-Dichloroethene	50.0	50.8		ug/Kg		102	81 - 120
Cyclohexane	50.0	54.0		ug/Kg		108	65 - 120
Bromodichloromethane	50.0	50.5		ug/Kg		101	80 - 122
Dichlorodifluoromethane	50.0	46.2		ug/Kg		92	57 - 142
Ethylbenzene	50.0	48.6		ug/Kg		97	80 - 120
1,2-Dibromoethane	50.0	46.6		ug/Kg		93	78 - 120
Isopropylbenzene	50.0	52.4		ug/Kg		105	72 - 120
Methyl acetate	100	107		ug/Kg		107	55 - 136
Methyl tert-butyl ether	50.0	51.1		ug/Kg		102	63 - 125
Methylcyclohexane	50.0	49.8		ug/Kg		100	60 - 140
Methylene Chloride	50.0	53.5		ug/Kg		107	61 - 127
m,p-Xylene	50.0	47.9		ug/Kg		96	70 - 130
Naphthalene	50.0	48.9		ug/Kg		98	38 - 137
n-Butylbenzene	50.0	52.0		ug/Kg		104	70 - 120
N-Propylbenzene	50.0	52.5		ug/Kg		105	70 - 130
o-Xylene	50.0	48.0		ug/Kg		96	70 - 130
sec-Butylbenzene	50.0	52.7		ug/Kg		105	74 - 120
Tetrachloroethene	50.0	45.3		ug/Kg		91	74 - 122
Toluene	50.0	48.0		ug/Kg		96	74 - 128
trans-1,2-Dichloroethene	50.0	50.2		ug/Kg		100	78 - 126
trans-1,3-Dichloropropene	50.0	47.5		ug/Kg		95	73 - 123
Trichloroethene	50.0	49.2		ug/Kg		98	77 - 129
Trichlorofluoromethane	50.0	48.6		ug/Kg		97	65 - 146
Vinyl chloride	50.0	50.4		ug/Kg		101	61 - 133
cis-1,3-Dichloropropene	50.0	50.0		ug/Kg		100	80 - 120
Styrene	50.0	47.5		ug/Kg		95	80 - 120
tert-Butylbenzene	50.0	51.2		ug/Kg		102	73 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*
4-Bromofluorobenzene (Surr)	*91*		*72 - 126*
Toluene-d8 (Surr)	*97*		*71 - 125*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

Lab Sample ID: MB 480-754549/2-A
Matrix: Solid
Analysis Batch: 754550

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		08/17/25 18:01	08/17/25 21:46	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-754549/2-A
Matrix: Solid
Analysis Batch: 754550

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
1,2,4-Trimethylbenzene	ND		5.0	0.96	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
1,3,5-Trimethylbenzene	ND		5.0	0.32	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
2-Hexanone	ND		25	2.5	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
4-Isopropyltoluene	ND		5.0	0.40	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Acetone	ND		25	4.2	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Benzene	ND		5.0	0.25	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Bromoform	ND		5.0	2.5	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Bromomethane	ND		5.0	0.45	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Chloroethane	ND		5.0	1.1	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Chloroform	ND		5.0	0.31	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Chloromethane	ND		5.0	0.30	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Cyclohexane	ND		5.0	0.70	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Methyl acetate	ND		25	3.0	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
m,p-Xylene	ND		10	0.84	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Naphthalene	ND		5.0	0.67	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
n-Butylbenzene	ND		5.0	0.44	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
N-Propylbenzene	ND		5.0	0.40	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
o-Xylene	ND		5.0	0.65	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
sec-Butylbenzene	ND		5.0	0.44	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Toluene	ND		5.0	0.38	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		08/17/25 18:01	08/17/25 21:46	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-754549/2-A
Matrix: Solid
Analysis Batch: 754550

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Trichloroethene	ND		5.0	1.1	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Xylenes, Total	ND		10	0.84	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
Styrene	ND		5.0	0.25	ug/Kg		08/17/25 18:01	08/17/25 21:46	1
tert-Butylbenzene	ND		5.0	0.52	ug/Kg		08/17/25 18:01	08/17/25 21:46	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*			*N/A*	*08/17/25 18:01*	*08/17/25 21:46*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*	*08/17/25 18:01*	*08/17/25 21:46*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 126*	*08/17/25 18:01*	*08/17/25 21:46*	*1*
Toluene-d8 (Surr)	*97*		*71 - 125*	*08/17/25 18:01*	*08/17/25 21:46*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*08/17/25 18:01*	*08/17/25 21:46*	*1*

Lab Sample ID: LCS 480-754549/1-A
Matrix: Solid
Analysis Batch: 754550

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754549

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	49.2		ug/Kg		98	77 - 121
1,1,2,2-Tetrachloroethane	50.0	53.2		ug/Kg		106	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.2		ug/Kg		104	60 - 140
1,1,2-Trichloroethane	50.0	48.4		ug/Kg		97	78 - 122
1,1-Dichloroethane	50.0	54.5		ug/Kg		109	73 - 126
1,1-Dichloroethene	50.0	51.8		ug/Kg		104	59 - 125
1,2,4-Trichlorobenzene	50.0	48.3		ug/Kg		97	64 - 120
1,2,4-Trimethylbenzene	50.0	52.4		ug/Kg		105	74 - 120
1,2-Dibromo-3-Chloropropane	50.0	48.6		ug/Kg		97	63 - 124
1,2-Dichlorobenzene	50.0	49.6		ug/Kg		99	75 - 120
1,2-Dichloroethane	50.0	53.0		ug/Kg		106	77 - 122
1,2-Dichloropropane	50.0	54.6		ug/Kg		109	75 - 124
1,3,5-Trimethylbenzene	50.0	53.1		ug/Kg		106	74 - 120
1,3-Dichlorobenzene	50.0	49.4		ug/Kg		99	74 - 120
1,4-Dichlorobenzene	50.0	48.4		ug/Kg		97	73 - 120
2-Butanone (MEK)	250	284		ug/Kg		114	70 - 134
2-Hexanone	250	257		ug/Kg		103	59 - 130
4-Isopropyltoluene	50.0	52.9		ug/Kg		106	74 - 120
4-Methyl-2-pentanone (MIBK)	250	256		ug/Kg		103	65 - 133
Acetone	250	286		ug/Kg		114	61 - 137
Benzene	50.0	52.9		ug/Kg		106	79 - 127
Bromoform	50.0	44.2		ug/Kg		88	68 - 126
Bromomethane	50.0	51.3		ug/Kg		103	37 - 149
Carbon disulfide	50.0	52.6		ug/Kg		105	64 - 131

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-754549/1-A
Matrix: Solid
Analysis Batch: 754550

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754549

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	50.0	46.4		ug/Kg		93	75 - 135
Chlorobenzene	50.0	47.4		ug/Kg		95	76 - 124
Dibromochloromethane	50.0	47.6		ug/Kg		95	76 - 125
Chloroethane	50.0	54.5		ug/Kg		109	69 - 135
Chloroform	50.0	51.3		ug/Kg		103	80 - 120
Chloromethane	50.0	55.3		ug/Kg		111	63 - 127
cis-1,2-Dichloroethene	50.0	52.2		ug/Kg		104	81 - 120
Cyclohexane	50.0	56.0		ug/Kg		112	65 - 120
Bromodichloromethane	50.0	52.7		ug/Kg		105	80 - 122
Dichlorodifluoromethane	50.0	53.5		ug/Kg		107	57 - 142
Ethylbenzene	50.0	49.6		ug/Kg		99	80 - 120
1,2-Dibromoethane	50.0	46.6		ug/Kg		93	78 - 120
Isopropylbenzene	50.0	53.8		ug/Kg		108	72 - 120
Methyl acetate	100	110		ug/Kg		110	55 - 136
Methyl tert-butyl ether	50.0	52.5		ug/Kg		105	63 - 125
Methylcyclohexane	50.0	53.3		ug/Kg		107	60 - 140
Methylene Chloride	50.0	55.6		ug/Kg		111	61 - 127
m,p-Xylene	50.0	49.1		ug/Kg		98	70 - 130
Naphthalene	50.0	49.8		ug/Kg		100	38 - 137
n-Butylbenzene	50.0	53.6		ug/Kg		107	70 - 120
N-Propylbenzene	50.0	53.9		ug/Kg		108	70 - 130
o-Xylene	50.0	48.3		ug/Kg		97	70 - 130
sec-Butylbenzene	50.0	54.1		ug/Kg		108	74 - 120
Tetrachloroethene	50.0	45.8		ug/Kg		92	74 - 122
Toluene	50.0	48.5		ug/Kg		97	74 - 128
trans-1,2-Dichloroethene	50.0	52.3		ug/Kg		105	78 - 126
trans-1,3-Dichloropropene	50.0	47.7		ug/Kg		95	73 - 123
Trichloroethene	50.0	52.0		ug/Kg		104	77 - 129
Trichlorofluoromethane	50.0	51.4		ug/Kg		103	65 - 146
Vinyl chloride	50.0	55.8		ug/Kg		112	61 - 133
cis-1,3-Dichloropropene	50.0	50.9		ug/Kg		102	80 - 120
Styrene	50.0	48.1		ug/Kg		96	80 - 120
tert-Butylbenzene	50.0	52.1		ug/Kg		104	73 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*
4-Bromofluorobenzene (Surr)	*89*		*72 - 126*
Toluene-d8 (Surr)	*96*		*71 - 125*
Dibromofluoromethane (Surr)	*102*		*60 - 140*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-754398/1-A
Matrix: Solid
Analysis Batch: 754409

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754398

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		100	37	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
2,4,5-Trichlorophenol	ND		170	34	ug/Kg		08/15/25 06:57	08/15/25 13:49	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-754398/1-A
Matrix: Solid
Analysis Batch: 754409

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754398

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		170	26	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
2,4-Dichlorophenol	ND		170	33	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
2,4-Dimethylphenol	ND		170	36	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
2,4-Dinitrophenol	ND		1700	32	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
2,4-Dinitrotoluene	ND		170	23	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
2,6-Dinitrotoluene	ND		170	24	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
2-Chloronaphthalene	ND		170	32	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
2-Chlorophenol	ND		170	27	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
2-Methylnaphthalene	ND		170	27	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
2-Methylphenol	ND		170	27	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
2-Nitroaniline	ND		330	29	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
2-Nitrophenol	ND		170	19	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
3,3'-Dichlorobenzidine	ND		330	50	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
3-Nitroaniline	ND		330	24	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
4,6-Dinitro-2-methylphenol	ND		330	37	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
4-Bromophenyl phenyl ether	ND		170	29	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
4-Chloro-3-methylphenol	ND		170	35	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
4-Chloroaniline	ND		170	24	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
4-Chlorophenyl phenyl ether	ND		170	36	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
4-Methylphenol	ND		330	30	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
4-Nitroaniline	ND		330	25	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
4-Nitrophenol	ND		330	46	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Acenaphthene	ND		170	31	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Acenaphthylene	ND		170	33	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Acetophenone	ND		170	30	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Anthracene	ND		170	31	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Atrazine	ND		170	57	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Benzaldehyde	ND		170	130	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Benzo[a]anthracene	ND		170	23	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Benzo[a]pyrene	ND		170	29	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Benzo[b]fluoranthene	ND		170	23	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Benzo[g,h,i]perylene	ND		170	30	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Benzo[k]fluoranthene	ND		170	38	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Biphenyl	ND		170	32	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
bis (2-chloroisopropyl) ether	ND		170	35	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Bis(2-chloroethoxy)methane	ND		170	32	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Bis(2-chloroethyl)ether	ND		170	32	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Bis(2-ethylhexyl) phthalate	ND		170	37	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Butyl benzyl phthalate	ND		170	31	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Caprolactam	ND		170	39	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Carbazole	ND		170	33	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Chrysene	ND		170	41	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Dibenz(a,h)anthracene	ND		170	34	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Dibenzofuran	ND		170	30	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Diethyl phthalate	ND		170	30	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Dimethyl phthalate	ND		170	33	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Di-n-butyl phthalate	ND		170	38	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Di-n-octyl phthalate	ND		170	32	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Fluoranthene	ND		170	31	ug/Kg		08/15/25 06:57	08/15/25 13:49	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-754398/1-A
Matrix: Solid
Analysis Batch: 754409

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754398

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		170	31	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Hexachlorobenzene	ND		170	33	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Hexachlorobutadiene	ND		170	25	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Hexachlorocyclopentadiene	ND		330	74	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Hexachloroethane	ND		170	31	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Indeno[1,2,3-cd]pyrene	ND		170	25	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Isophorone	ND		170	35	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Naphthalene	ND		170	28	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Nitrobenzene	ND		170	28	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
N-Nitrosodi-n-propylamine	ND		170	38	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
N-Nitrosodiphenylamine	ND		170	28	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Pentachlorophenol	ND		330	54	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Phenanthrene	ND		170	32	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Phenol	ND		170	31	ug/Kg		08/15/25 06:57	08/15/25 13:49	1
Pyrene	ND		170	32	ug/Kg		08/15/25 06:57	08/15/25 13:49	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*12800*	*T J*	*ug/Kg*		*1.98*	*N/A*	*08/15/25 06:57*	*08/15/25 13:49*	*1*
Unknown	*8160*	*T J*	*ug/Kg*		*3.45*	*N/A*	*08/15/25 06:57*	*08/15/25 13:49*	*1*
Unknown	*777*	*T J*	*ug/Kg*		*13.47*	*N/A*	*08/15/25 06:57*	*08/15/25 13:49*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*10 - 140*	*08/15/25 06:57*	*08/15/25 13:49*	*1*
2-Fluorobiphenyl (Surr)	*90*		*29 - 120*	*08/15/25 06:57*	*08/15/25 13:49*	*1*
2-Fluorophenol (Surr)	*77*		*18 - 120*	*08/15/25 06:57*	*08/15/25 13:49*	*1*
Nitrobenzene-d5 (Surr)	*85*		*22 - 120*	*08/15/25 06:57*	*08/15/25 13:49*	*1*
Phenol-d5 (Surr)	*84*		*23 - 120*	*08/15/25 06:57*	*08/15/25 13:49*	*1*
p-Terphenyl-d14 (Surr)	*95*		*28 - 124*	*08/15/25 06:57*	*08/15/25 13:49*	*1*

Lab Sample ID: LCS 480-754398/2-A
Matrix: Solid
Analysis Batch: 754409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754398

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	2670	1010		ug/Kg		38	22 - 120
2,4,5-Trichlorophenol	2670	2020		ug/Kg		76	52 - 120
2,4,6-Trichlorophenol	2670	2140		ug/Kg		80	51 - 120
2,4-Dichlorophenol	2670	1920		ug/Kg		72	44 - 120
2,4-Dimethylphenol	2670	1890		ug/Kg		71	48 - 120
2,4-Dinitrophenol	5330	2960		ug/Kg		55	28 - 120
2,4-Dinitrotoluene	2670	1920		ug/Kg		72	55 - 125
2,6-Dinitrotoluene	2670	2050		ug/Kg		77	51 - 125
2-Chloronaphthalene	2670	2150		ug/Kg		81	46 - 120
2-Chlorophenol	2670	1870		ug/Kg		70	40 - 120
2-Methylnaphthalene	2670	1940		ug/Kg		73	45 - 120
2-Methylphenol	2670	1880		ug/Kg		71	41 - 120
2-Nitroaniline	2670	2030		ug/Kg		76	51 - 125
2-Nitrophenol	2670	1880		ug/Kg		71	43 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-754398/2-A
Matrix: Solid
Analysis Batch: 754409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754398

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3,3'-Dichlorobenzidine	2670	2150		ug/Kg		81	10 - 120
3-Nitroaniline	2670	1790		ug/Kg		67	33 - 120
4,6-Dinitro-2-methylphenol	5330	4040		ug/Kg		76	49 - 126
4-Bromophenyl phenyl ether	2670	2170		ug/Kg		82	55 - 123
4-Chloro-3-methylphenol	2670	1750		ug/Kg		66	54 - 120
4-Chloroaniline	2670	1690		ug/Kg		63	20 - 120
4-Chlorophenyl phenyl ether	2670	2070		ug/Kg		78	54 - 120
4-Methylphenol	2670	1820		ug/Kg		68	43 - 120
4-Nitroaniline	2670	1910		ug/Kg		72	54 - 120
4-Nitrophenol	5330	3460		ug/Kg		65	47 - 120
Acenaphthene	2670	2050		ug/Kg		77	49 - 121
Acenaphthylene	2670	2020		ug/Kg		76	49 - 120
Acetophenone	2670	1740		ug/Kg		65	39 - 120
Anthracene	2670	2160		ug/Kg		81	57 - 120
Atrazine	2670	1510		ug/Kg		57	44 - 120
Benzaldehyde	2670	1120		ug/Kg		42	10 - 120
Benzo[a]anthracene	2670	2210		ug/Kg		83	58 - 120
Benzo[a]pyrene	2670	2220		ug/Kg		83	59 - 122
Benzo[b]fluoranthene	2670	1990		ug/Kg		75	56 - 120
Benzo[g,h,i]perylene	2670	2520		ug/Kg		94	56 - 132
Benzo[k]fluoranthene	2670	2320		ug/Kg		87	59 - 127
Biphenyl	2670	2220		ug/Kg		83	47 - 120
bis (2-chloroisopropyl) ether	2670	1700		ug/Kg		64	31 - 120
Bis(2-chloroethoxy)methane	2670	1860		ug/Kg		70	42 - 120
Bis(2-chloroethyl)ether	2670	1760		ug/Kg		66	34 - 120
Bis(2-ethylhexyl) phthalate	2670	2430		ug/Kg		91	49 - 130
Butyl benzyl phthalate	2670	2310		ug/Kg		87	50 - 122
Caprolactam	2670	1080		ug/Kg		40	10 - 120
Carbazole	2670	2180		ug/Kg		82	58 - 124
Chrysene	2670	2250		ug/Kg		84	57 - 120
Dibenz(a,h)anthracene	2670	2450		ug/Kg		92	53 - 124
Dibenzofuran	2670	2090		ug/Kg		78	53 - 120
Diethyl phthalate	2670	2060		ug/Kg		77	54 - 120
Dimethyl phthalate	2670	2170		ug/Kg		81	53 - 120
Di-n-butyl phthalate	2670	2200		ug/Kg		83	49 - 120
Di-n-octyl phthalate	2670	2390		ug/Kg		90	42 - 125
Fluoranthene	2670	2060		ug/Kg		77	57 - 121
Fluorene	2670	2030		ug/Kg		76	55 - 121
Hexachlorobenzene	2670	2090		ug/Kg		79	56 - 120
Hexachlorobutadiene	2670	1750		ug/Kg		66	40 - 120
Hexachlorocyclopentadiene	2670	2100		ug/Kg		79	30 - 125
Hexachloroethane	2670	1640		ug/Kg		61	34 - 120
Indeno[1,2,3-cd]pyrene	2670	2360		ug/Kg		89	53 - 125
Isophorone	2670	1770		ug/Kg		66	46 - 120
Naphthalene	2670	1850		ug/Kg		69	43 - 120
Nitrobenzene	2670	1850		ug/Kg		70	40 - 120
N-Nitrosodi-n-propylamine	2670	1890		ug/Kg		71	41 - 120
Pentachlorophenol	5330	3420		ug/Kg		64	10 - 124
Phenanthrene	2670	2160		ug/Kg		81	57 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-754398/2-A
Matrix: Solid
Analysis Batch: 754409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754398

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenol			2670	1850		ug/Kg		69	37 - 120		
Pyrene			2670	2320		ug/Kg		87	59 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*79*		*10 - 140*
2-Fluorobiphenyl (Surr)	*86*		*29 - 120*
2-Fluorophenol (Surr)	*69*		*18 - 120*
Nitrobenzene-d5 (Surr)	*74*		*22 - 120*
Phenol-d5 (Surr)	*72*		*23 - 120*
p-Terphenyl-d14 (Surr)	*88*		*28 - 124*

Lab Sample ID: 480-231828-6 MS
Matrix: Solid
Analysis Batch: 754593

Client Sample ID: MW-4 24-26
Prep Type: Total/NA
Prep Batch: 754398

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane	ND		3160	1390		ug/Kg	☼	44	13 - 120		
2,4,5-Trichlorophenol	ND		3160	1890		ug/Kg	☼	60	46 - 120		
2,4,6-Trichlorophenol	ND		3160	1840		ug/Kg	☼	58	41 - 123		
2,4-Dichlorophenol	ND		3160	2010		ug/Kg	☼	64	45 - 120		
2,4-Dimethylphenol	ND		3160	1930		ug/Kg	☼	61	52 - 120		
2,4-Dinitrophenol	ND		6330	2600		ug/Kg	☼	41	41 - 146		
2,4-Dinitrotoluene	ND	F1	3160	1790	F1	ug/Kg	☼	57	63 - 125		
2,6-Dinitrotoluene	ND	F1	3160	1870	F1	ug/Kg	☼	59	66 - 120		
2-Chloronaphthalene	ND		3160	1960		ug/Kg	☼	62	57 - 120		
2-Chlorophenol	ND		3160	1910		ug/Kg	☼	60	43 - 120		
2-Methylnaphthalene	ND		3160	1890		ug/Kg	☼	60	55 - 120		
2-Methylphenol	ND		3160	1860		ug/Kg	☼	59	48 - 120		
2-Nitroaniline	ND	F1	3160	1680	F1	ug/Kg	☼	53	61 - 120		
2-Nitrophenol	ND		3160	1980		ug/Kg	☼	62	37 - 120		
3,3'-Dichlorobenzidine	ND		3160	1840		ug/Kg	☼	58	37 - 126		
3-Nitroaniline	ND		3160	1760		ug/Kg	☼	56	48 - 120		
4,6-Dinitro-2-methylphenol	ND		6330	3740		ug/Kg	☼	59	23 - 149		
4-Bromophenyl phenyl ether	ND	F1 F2	3160	1800	F1	ug/Kg	☼	57	58 - 120		
4-Chloro-3-methylphenol	ND		3160	1800		ug/Kg	☼	57	49 - 125		
4-Chloroaniline	ND		3160	1760		ug/Kg	☼	56	38 - 120		
4-Chlorophenyl phenyl ether	ND	F1	3160	1880	F1	ug/Kg	☼	59	63 - 124		
4-Methylphenol	ND		3160	2030		ug/Kg	☼	64	50 - 120		
4-Nitroaniline	ND		3160	1960		ug/Kg	☼	62	47 - 120		
4-Nitrophenol	ND		6330	3830		ug/Kg	☼	60	31 - 147		
Acenaphthene	ND	F1	3160	1850	F1	ug/Kg	☼	58	60 - 120		
Acenaphthylene	ND		3160	1870		ug/Kg	☼	59	58 - 121		
Acetophenone	ND		3160	1910		ug/Kg	☼	60	47 - 120		
Anthracene	ND	F1	3160	1840	F1	ug/Kg	☼	58	62 - 120		
Atrazine	ND	F1 F2	3160	1280	F1	ug/Kg	☼	41	60 - 150		
Benzaldehyde	ND		3160	1370		ug/Kg	☼	43	10 - 150		
Benzo[a]anthracene	ND	F1	3160	1890	F1	ug/Kg	☼	60	65 - 120		
Benzo[a]pyrene	ND	F1	3160	1760	F1	ug/Kg	☼	56	64 - 120		

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-231828-6 MS
Matrix: Solid
Analysis Batch: 754593

Client Sample ID: MW-4 24-26
Prep Type: Total/NA
Prep Batch: 754398

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[b]fluoranthene	ND	F2	3160	1670		ug/Kg	☼	53	10 - 150
Benzo[g,h,i]perylene	ND		3160	1830		ug/Kg	☼	58	45 - 145
Benzo[k]fluoranthene	ND		3160	2030		ug/Kg	☼	64	23 - 150
Biphenyl	ND		3160	1900		ug/Kg	☼	60	58 - 120
bis (2-chloroisopropyl) ether	ND		3160	1710		ug/Kg	☼	54	31 - 120
Bis(2-chloroethoxy)methane	ND		3160	1980		ug/Kg	☼	63	52 - 120
Bis(2-chloroethyl)ether	ND		3160	1860		ug/Kg	☼	59	45 - 120
Bis(2-ethylhexyl) phthalate	ND		3160	1930		ug/Kg	☼	61	61 - 133
Butyl benzyl phthalate	ND		3160	1980		ug/Kg	☼	63	61 - 120
Caprolactam	ND		3160	1300		ug/Kg	☼	41	37 - 133
Carbazole	ND		3160	2030		ug/Kg	☼	64	59 - 120
Chrysene	ND	F1 F2	3160	1840	F1	ug/Kg	☼	58	64 - 120
Dibenz(a,h)anthracene	ND		3160	1900		ug/Kg	☼	60	54 - 132
Dibenzofuran	ND	F1	3160	1810	F1	ug/Kg	☼	57	62 - 120
Diethyl phthalate	ND	F1	3160	1770	F1	ug/Kg	☼	56	66 - 120
Dimethyl phthalate	ND	F1 F2	3160	1810	F1	ug/Kg	☼	57	65 - 124
Di-n-butyl phthalate	ND		3160	1890		ug/Kg	☼	60	58 - 130
Di-n-octyl phthalate	ND		3160	1940		ug/Kg	☼	61	57 - 133
Fluoranthene	ND	F1	3160	1890	F1	ug/Kg	☼	60	62 - 120
Fluorene	ND	F1 F2	3160	1850	F1	ug/Kg	☼	59	63 - 120
Hexachlorobenzene	ND		3160	1980		ug/Kg	☼	62	60 - 120
Hexachlorobutadiene	ND		3160	1820		ug/Kg	☼	57	45 - 120
Hexachlorocyclopentadiene	ND		3160	1260		ug/Kg	☼	40	31 - 120
Hexachloroethane	ND		3160	1790		ug/Kg	☼	57	21 - 120
Indeno[1,2,3-cd]pyrene	ND	F1 F2	3160	1730	F1	ug/Kg	☼	55	56 - 134
Isophorone	ND		3160	1870		ug/Kg	☼	59	56 - 120
Naphthalene	ND		3160	2000		ug/Kg	☼	63	46 - 120
Nitrobenzene	ND		3160	1860		ug/Kg	☼	59	49 - 120
N-Nitrosodi-n-propylamine	ND		3160	1940		ug/Kg	☼	61	46 - 120
Pentachlorophenol	ND		6330	2930		ug/Kg	☼	46	10 - 136
Phenanthrene	ND		3160	1980		ug/Kg	☼	63	60 - 122
Phenol	ND		3160	1910		ug/Kg	☼	60	50 - 120
Pyrene	ND		3160	1980		ug/Kg	☼	63	61 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*59*		*10 - 140*
2-Fluorobiphenyl (Surr)	*61*		*29 - 120*
2-Fluorophenol (Surr)	*60*		*18 - 120*
Nitrobenzene-d5 (Surr)	*59*		*22 - 120*
Phenol-d5 (Surr)	*64*		*23 - 120*
p-Terphenyl-d14 (Surr)	*60*		*28 - 124*

Lab Sample ID: 480-231828-6 MSD
Matrix: Solid
Analysis Batch: 754593

Client Sample ID: MW-4 24-26
Prep Type: Total/NA
Prep Batch: 754398

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	ND		3250	1140		ug/Kg	☼	35	13 - 120	20	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-231828-6 MSD
Matrix: Solid
Analysis Batch: 754593

Client Sample ID: MW-4 24-26
Prep Type: Total/NA
Prep Batch: 754398

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	ND		3250	2080		ug/Kg	☼	64	46 - 120	10	18
2,4,6-Trichlorophenol	ND		3250	1930		ug/Kg	☼	59	41 - 123	5	19
2,4-Dichlorophenol	ND		3250	2280		ug/Kg	☼	70	45 - 120	13	19
2,4-Dimethylphenol	ND		3250	2020		ug/Kg	☼	62	52 - 120	5	42
2,4-Dinitrophenol	ND		6500	3130		ug/Kg	☼	48	41 - 146	18	22
2,4-Dinitrotoluene	ND	F1	3250	2060		ug/Kg	☼	64	63 - 125	14	20
2,6-Dinitrotoluene	ND	F1	3250	2070	F1	ug/Kg	☼	64	66 - 120	10	15
2-Chloronaphthalene	ND		3250	2210		ug/Kg	☼	68	57 - 120	12	21
2-Chlorophenol	ND		3250	1910		ug/Kg	☼	59	43 - 120	0	25
2-Methylnaphthalene	ND		3250	2270		ug/Kg	☼	70	55 - 120	18	21
2-Methylphenol	ND		3250	1920		ug/Kg	☼	59	48 - 120	3	27
2-Nitroaniline	ND	F1	3250	1880	F1	ug/Kg	☼	58	61 - 120	11	15
2-Nitrophenol	ND		3250	2000		ug/Kg	☼	62	37 - 120	1	18
3,3'-Dichlorobenzidine	ND		3250	1970		ug/Kg	☼	61	37 - 126	7	25
3-Nitroaniline	ND		3250	2120		ug/Kg	☼	65	48 - 120	19	19
4,6-Dinitro-2-methylphenol	ND		6500	3650		ug/Kg	☼	56	23 - 149	2	15
4-Bromophenyl phenyl ether	ND	F1 F2	3250	2120	F2	ug/Kg	☼	65	58 - 120	16	15
4-Chloro-3-methylphenol	ND		3250	1890		ug/Kg	☼	58	49 - 125	5	27
4-Chloroaniline	ND		3250	2070		ug/Kg	☼	64	38 - 120	16	22
4-Chlorophenyl phenyl ether	ND	F1	3250	2100		ug/Kg	☼	64	63 - 124	11	16
4-Methylphenol	ND		3250	1960		ug/Kg	☼	60	50 - 120	4	24
4-Nitroaniline	ND		3250	2040		ug/Kg	☼	63	47 - 120	4	24
4-Nitrophenol	ND		6500	4020		ug/Kg	☼	62	31 - 147	5	25
Acenaphthene	ND	F1	3250	2130		ug/Kg	☼	65	60 - 120	14	35
Acenaphthylene	ND		3250	2050		ug/Kg	☼	63	58 - 121	9	18
Acetophenone	ND		3250	1980		ug/Kg	☼	61	47 - 120	4	20
Anthracene	ND	F1	3250	2020		ug/Kg	☼	62	62 - 120	9	15
Atrazine	ND	F1 F2	3250	1610	F1 F2	ug/Kg	☼	49	60 - 150	23	20
Benzaldehyde	ND		3250	1360		ug/Kg	☼	42	10 - 150	1	20
Benzo[a]anthracene	ND	F1	3250	2150		ug/Kg	☼	66	65 - 120	13	15
Benzo[a]pyrene	ND	F1	3250	2060	F1	ug/Kg	☼	63	64 - 120	15	15
Benzo[b]fluoranthene	ND	F2	3250	1960	F2	ug/Kg	☼	60	10 - 150	16	15
Benzo[g,h,i]perylene	ND		3250	2110		ug/Kg	☼	65	45 - 145	14	15
Benzo[k]fluoranthene	ND		3250	2260		ug/Kg	☼	70	23 - 150	11	22
Biphenyl	ND		3250	2160		ug/Kg	☼	66	58 - 120	13	20
bis (2-chloroisopropyl) ether	ND		3250	2040		ug/Kg	☼	63	31 - 120	17	24
Bis(2-chloroethoxy)methane	ND		3250	2180		ug/Kg	☼	67	52 - 120	9	17
Bis(2-chloroethyl)ether	ND		3250	1890		ug/Kg	☼	58	45 - 120	2	21
Bis(2-ethylhexyl) phthalate	ND		3250	2120		ug/Kg	☼	65	61 - 133	10	15
Butyl benzyl phthalate	ND		3250	2180		ug/Kg	☼	67	61 - 120	9	16
Caprolactam	ND		3250	1340		ug/Kg	☼	41	37 - 133	3	20
Carbazole	ND		3250	2100		ug/Kg	☼	65	59 - 120	4	20
Chrysene	ND	F1 F2	3250	2150	F2	ug/Kg	☼	66	64 - 120	16	15
Dibenz(a,h)anthracene	ND		3250	2070		ug/Kg	☼	64	54 - 132	8	15
Dibenzofuran	ND	F1	3250	2090		ug/Kg	☼	64	62 - 120	14	15
Diethyl phthalate	ND	F1	3250	1980	F1	ug/Kg	☼	61	66 - 120	11	15
Dimethyl phthalate	ND	F1 F2	3250	2130	F2	ug/Kg	☼	65	65 - 124	16	15
Di-n-butyl phthalate	ND		3250	2090		ug/Kg	☼	64	58 - 130	10	15
Di-n-octyl phthalate	ND		3250	2260		ug/Kg	☼	70	57 - 133	15	16

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-231828-6 MSD
Matrix: Solid
Analysis Batch: 754593

Client Sample ID: MW-4 24-26
Prep Type: Total/NA
Prep Batch: 754398

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoranthene	ND	F1	3250	2090		ug/Kg	☼	64	62 - 120	10	15
Fluorene	ND	F1 F2	3250	2230	F2	ug/Kg	☼	69	63 - 120	19	15
Hexachlorobenzene	ND		3250	1960		ug/Kg	☼	60	60 - 120	1	15
Hexachlorobutadiene	ND		3250	2110		ug/Kg	☼	65	45 - 120	15	44
Hexachlorocyclopentadiene	ND		3250	1410		ug/Kg	☼	44	31 - 120	12	49
Hexachloroethane	ND		3250	1780		ug/Kg	☼	55	21 - 120	1	46
Indeno[1,2,3-cd]pyrene	ND	F1 F2	3250	2050	F2	ug/Kg	☼	63	56 - 134	17	15
Isophorone	ND		3250	2080		ug/Kg	☼	64	56 - 120	11	17
Naphthalene	ND		3250	2180		ug/Kg	☼	67	46 - 120	9	29
Nitrobenzene	ND		3250	2120		ug/Kg	☼	65	49 - 120	13	24
N-Nitrosodi-n-propylamine	ND		3250	1920		ug/Kg	☼	59	46 - 120	1	31
Pentachlorophenol	ND		6500	3010		ug/Kg	☼	46	10 - 136	3	35
Phenanthrene	ND		3250	2100		ug/Kg	☼	64	60 - 122	6	15
Phenol	ND		3250	1960		ug/Kg	☼	60	50 - 120	2	35
Pyrene	ND		3250	2130		ug/Kg	☼	66	61 - 133	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*60*		*10 - 140*
2-Fluorobiphenyl (Surr)	*68*		*29 - 120*
2-Fluorophenol (Surr)	*63*		*18 - 120*
Nitrobenzene-d5 (Surr)	*67*		*22 - 120*
Phenol-d5 (Surr)	*63*		*23 - 120*
p-Terphenyl-d14 (Surr)	*67*		*28 - 124*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-754634/1-A
Matrix: Solid
Analysis Batch: 754687

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754634

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.65	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
4,4'-DDE	ND		3.3	0.70	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
4,4'-DDT	ND		3.3	0.78	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
Aldrin	ND		3.3	0.82	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
alpha-BHC	ND		3.3	0.60	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
cis-Chlordane	ND		3.3	1.7	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
beta-BHC	ND		3.3	0.60	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
delta-BHC	ND		3.3	0.62	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
Dieldrin	ND		3.3	0.80	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
Endosulfan I	ND		3.3	0.64	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
Endosulfan II	ND		3.3	0.60	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
Endosulfan sulfate	ND		3.3	0.62	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
Endrin	ND		3.3	0.66	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
Endrin aldehyde	ND		3.3	0.85	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
Endrin ketone	ND		3.3	0.82	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
gamma-BHC (Lindane)	ND		3.3	0.61	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
trans-Chlordane	ND		3.3	1.1	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
Heptachlor	ND		3.3	0.72	ug/Kg		08/18/25 13:17	08/19/25 09:39	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-754634/1-A
Matrix: Solid
Analysis Batch: 754687

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754634

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		3.3	0.86	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
Methoxychlor	ND		3.3	0.68	ug/Kg		08/18/25 13:17	08/19/25 09:39	1
Toxaphene	ND		33	19	ug/Kg		08/18/25 13:17	08/19/25 09:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*45 - 120*	*08/18/25 13:17*	*08/19/25 09:39*	*1*
DCB Decachlorobiphenyl	*96*		*45 - 120*	*08/18/25 13:17*	*08/19/25 09:39*	*1*
Tetrachloro-m-xylene	*70*		*30 - 124*	*08/18/25 13:17*	*08/19/25 09:39*	*1*
Tetrachloro-m-xylene	*70*		*30 - 124*	*08/18/25 13:17*	*08/19/25 09:39*	*1*

Lab Sample ID: LCS 480-754634/2-A
Matrix: Solid
Analysis Batch: 754687

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754634

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	33.3	30.7		ug/Kg		92	56 - 120
4,4'-DDE	33.3	26.6		ug/Kg		80	44 - 120
4,4'-DDT	33.3	27.1		ug/Kg		81	38 - 120
Aldrin	33.3	28.6		ug/Kg		86	38 - 120
alpha-BHC	33.3	25.9		ug/Kg		78	39 - 120
cis-Chlordane	33.3	24.6		ug/Kg		74	47 - 120
beta-BHC	33.3	28.6		ug/Kg		86	40 - 120
delta-BHC	33.3	29.2		ug/Kg		88	45 - 120
Dieldrin	33.3	29.9		ug/Kg		90	58 - 120
Endosulfan I	33.3	29.7		ug/Kg		89	49 - 120
Endosulfan II	33.3	29.8		ug/Kg		89	55 - 120
Endosulfan sulfate	33.3	29.1		ug/Kg		87	49 - 124
Endrin	33.3	30.4		ug/Kg		91	58 - 120
Endrin aldehyde	33.3	22.2		ug/Kg		67	37 - 121
Endrin ketone	33.3	30.3		ug/Kg		91	46 - 123
gamma-BHC (Lindane)	33.3	27.6		ug/Kg		83	50 - 120
trans-Chlordane	33.3	26.1		ug/Kg		78	48 - 120
Heptachlor	33.3	29.3		ug/Kg		88	50 - 120
Heptachlor epoxide	33.3	29.6		ug/Kg		89	50 - 120
Methoxychlor	33.3	30.0		ug/Kg		90	58 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*112*		*45 - 120*
DCB Decachlorobiphenyl	*114*		*45 - 120*
Tetrachloro-m-xylene	*82*		*30 - 124*
Tetrachloro-m-xylene	*82*		*30 - 124*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-754619/1-A
Matrix: Solid
Analysis Batch: 754678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754619

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg		08/18/25 11:08	08/19/25 09:02	1
PCB-1221	ND		0.25	0.049	mg/Kg		08/18/25 11:08	08/19/25 09:02	1
PCB-1232	ND		0.25	0.049	mg/Kg		08/18/25 11:08	08/19/25 09:02	1
PCB-1242	ND		0.25	0.049	mg/Kg		08/18/25 11:08	08/19/25 09:02	1
PCB-1248	ND		0.25	0.049	mg/Kg		08/18/25 11:08	08/19/25 09:02	1
PCB-1254	ND		0.25	0.12	mg/Kg		08/18/25 11:08	08/19/25 09:02	1
PCB-1260	ND		0.25	0.12	mg/Kg		08/18/25 11:08	08/19/25 09:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*141*		*60 - 154*	*08/18/25 11:08*	*08/19/25 09:02*	*1*
Tetrachloro-m-xylene	*131*		*60 - 154*	*08/18/25 11:08*	*08/19/25 09:02*	*1*
DCB Decachlorobiphenyl	*166*		*65 - 174*	*08/18/25 11:08*	*08/19/25 09:02*	*1*
DCB Decachlorobiphenyl	*145*		*65 - 174*	*08/18/25 11:08*	*08/19/25 09:02*	*1*

Lab Sample ID: LCS 480-754619/2-A
Matrix: Solid
Analysis Batch: 754678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754619

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2.50	3.26		mg/Kg		130	51 - 185		
PCB-1260			2.50	3.24		mg/Kg		130	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*151*		*60 - 154*
Tetrachloro-m-xylene	*144*		*60 - 154*
DCB Decachlorobiphenyl	*177*	*S1+*	*65 - 174*
DCB Decachlorobiphenyl	*152*		*65 - 174*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-754473/1-A
Matrix: Solid
Analysis Batch: 754854

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754473

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		17	5.3	ug/Kg		08/15/25 11:47	08/20/25 16:06	1
Silvex (2,4,5-TP)	ND		17	6.0	ug/Kg		08/15/25 11:47	08/20/25 16:06	1
2,4-D	ND		17	11	ug/Kg		08/15/25 11:47	08/20/25 16:06	1
Dichlorprop	ND		17	8.3	ug/Kg		08/15/25 11:47	08/20/25 16:06	1
Pentachlorophenol	ND		17	5.4	ug/Kg		08/15/25 11:47	08/20/25 16:06	1
Picloram	ND		17	7.2	ug/Kg		08/15/25 11:47	08/20/25 16:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*67*		*28 - 129*	*08/15/25 11:47*	*08/20/25 16:06*	*1*
2,4-Dichlorophenylacetic acid	*64*		*28 - 129*	*08/15/25 11:47*	*08/20/25 16:06*	*1*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 480-754473/2-A
Matrix: Solid
Analysis Batch: 754854

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754473

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,5-T			66.7	41.6		ug/Kg		62	41 - 120		
Silvex (2,4,5-TP)			66.7	41.9		ug/Kg		63	39 - 125		
2,4-D			66.7	39.2		ug/Kg		59	40 - 120		
Dichlorprop			66.7	42.3		ug/Kg		63	34 - 121		
Pentachlorophenol			66.7	25.3		ug/Kg		38	10 - 120		
Picloram			66.7	41.1		ug/Kg		62	22 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*62*		*28 - 129*
2,4-Dichlorophenylacetic acid	*59*		*28 - 129*

Lab Sample ID: 480-231828-6 MS
Matrix: Solid
Analysis Batch: 754854

Client Sample ID: MW-4 24-26
Prep Type: Total/NA
Prep Batch: 754473

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,5-T	ND		79.7	38.3		ug/Kg	☼	48	29 - 123		
Silvex (2,4,5-TP)	ND		79.7	39.3		ug/Kg	☼	49	22 - 140		
2,4-D	ND		79.7	37.1		ug/Kg	☼	47	32 - 115		
Dichlorprop	ND		79.7	42.0		ug/Kg	☼	53	28 - 125		
Pentachlorophenol	ND		79.7	23.6		ug/Kg	☼	30	10 - 130		
Picloram	ND		79.7	34.8		ug/Kg	☼	44	10 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*54*		*28 - 129*
2,4-Dichlorophenylacetic acid	*49*		*28 - 129*

Lab Sample ID: 480-231828-6 MSD
Matrix: Solid
Analysis Batch: 754854

Client Sample ID: MW-4 24-26
Prep Type: Total/NA
Prep Batch: 754473

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T	ND		80.2	55.2		ug/Kg	☼	69	29 - 123	36	50
Silvex (2,4,5-TP)	ND		80.2	55.8		ug/Kg	☼	70	22 - 140	35	50
2,4-D	ND		80.2	55.0		ug/Kg	☼	69	32 - 115	39	50
Dichlorprop	ND		80.2	58.2		ug/Kg	☼	73	28 - 125	32	50
Pentachlorophenol	ND		80.2	34.9		ug/Kg	☼	44	10 - 130	39	50
Picloram	ND		80.2	49.6		ug/Kg	☼	62	10 - 150	35	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*71*		*28 - 129*
2,4-Dichlorophenylacetic acid	*70*		*28 - 129*

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 240-668053/1-A
Matrix: Solid
Analysis Batch: 668147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668053

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.10	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.080	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.11	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g		08/18/25 09:34	08/18/25 22:34	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.10	ng/g		08/18/25 09:34	08/18/25 22:34	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.10	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.053	ng/g		08/18/25 09:34	08/18/25 22:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.25	ng/g		08/18/25 09:34	08/18/25 22:34	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.25	ng/g		08/18/25 09:34	08/18/25 22:34	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 240-668053/1-A
Matrix: Solid
Analysis Batch: 668147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668053

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.10	ng/g		08/18/25 09:34	08/18/25 22:34	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.25	ng/g		08/18/25 09:34	08/18/25 22:34	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.25	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.050	ng/g		08/18/25 09:34	08/18/25 22:34	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*108*		*8 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C5 PFPeA	*100*		*35 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C5 PFHxA	*93.8*		*40 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C4 PFHpA	*97.4*		*40 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C8 PFOA	*106*		*40 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C9 PFNA	*103*		*40 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C6 PFDA	*89.5*		*40 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C7 PFUnA	*92.2*		*40 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C2 PFTeDA	*97.5*		*20 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C3 PFBS	*109*		*40 - 135*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C3 PFHxS	*109*		*40 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C8 PFOS	*105*		*40 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C8 FOSA	*101*		*40 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
d3-NMeFOSAA	*115*		*40 - 135*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
d5-NEtFOSAA	*131*		*40 - 150*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C2 4:2 FTS	*119*		*40 - 165*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C2 6:2 FTS	*116*		*40 - 215*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C2 8:2 FTS	*109*		*40 - 275*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C3 HFPO-DA	*98.6*		*40 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
d7-N-MeFOSE-M	*67.7*		*20 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
d9-N-EtFOSE-M	*73.8*		*15 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
d5-NEtPFOSA	*90.5*		*10 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
d3-NMePFOSA	*90.3*		*10 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C2-PFDoA	*103*		*40 - 130*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C3-PFPrS	*114*		*20 - 150*	*08/18/25 09:34*	*08/18/25 22:34*	*1*
13C2 10:2 FTS	*120*		*40 - 275*	*08/18/25 09:34*	*08/18/25 22:34*	*1*

Lab Sample ID: LCS 240-668053/2-A
Matrix: Solid
Analysis Batch: 668147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	5.00	5.47		ng/g		109	70 - 140
Perfluoropentanoic acid (PFPeA)	2.50	2.70		ng/g		108	60 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.67		ng/g		107	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.50	2.13		ng/g		85	65 - 145
Perfluorooctanoic acid (PFOA)	2.50	2.60		ng/g		104	70 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 240-668053/2-A
Matrix: Solid
Analysis Batch: 668147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanoic acid (PFNA)	2.50	2.63		ng/g		105	70 - 155
Perfluorodecanoic acid (PFDA)	2.50	2.98		ng/g		119	70 - 155
Perfluoroundecanoic acid (PFUnA)	2.50	2.92		ng/g		117	70 - 155
Perfluorododecanoic acid (PFDoA)	2.50	2.32		ng/g		93	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.40		ng/g		96	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.49		ng/g		99	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.22	1.89		ng/g		85	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.35	1.86		ng/g		79	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.28	1.78		ng/g		78	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.02		ng/g		84	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.33	2.56		ng/g		110	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.41	2.55		ng/g		106	55 - 140
Perfluorododecanesulfonic acid (PFDoS)	2.43	2.06		ng/g		85	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.69		ng/g		100	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	4.62		ng/g		97	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	5.08		ng/g		106	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.61		ng/g		104	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.69		ng/g		108	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.61		ng/g		105	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.80		ng/g		112	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.74		ng/g		109	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	14.6		ng/g		117	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	12.7		ng/g		102	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	2.11		ng/g		112	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	2.45		ng/g		104	70 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	2.52		ng/g		101	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	2.89		ng/g		115	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.34	2.33		ng/g		100	70 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 240-668053/2-A
Matrix: Solid
Analysis Batch: 668147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.36	2.20		ng/g		93	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.23	2.38		ng/g		107	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	5.00	5.33		ng/g		107	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.5	11.6		ng/g		93	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.5	12.0		ng/g		96	60 - 150
Perfluorodecanesulfonic acid (PFDS)	2.41	2.39		ng/g		99	40 - 155
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	2.62		ng/g		105	30 - 140

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*126*		*8 - 130*
13C5 PFPeA	*118*		*35 - 130*
13C5 PFHxA	*109*		*40 - 130*
13C4 PFHpA	*116*		*40 - 130*
13C8 PFOA	*122*		*40 - 130*
13C9 PFNA	*116*		*40 - 130*
13C6 PFDA	*103*		*40 - 130*
13C7 PFUnA	*103*		*40 - 130*
13C2 PFTeDA	*109*		*20 - 130*
13C3 PFBS	*126*		*40 - 135*
13C3 PFHxS	*121*		*40 - 130*
13C8 PFOS	*117*		*40 - 130*
13C8 FOSA	*110*		*40 - 130*
d3-NMeFOSAA	*119*		*40 - 135*
d5-NEtFOSAA	*130*		*40 - 150*
13C2 4:2 FTS	*127*		*40 - 165*
13C2 6:2 FTS	*131*		*40 - 215*
13C2 8:2 FTS	*119*		*40 - 275*
13C3 HFPO-DA	*116*		*40 - 130*
d7-N-MeFOSE-M	*74.9*		*20 - 130*
d9-N-EtFOSE-M	*84.0*		*15 - 130*
d5-NEtPFOSA	*89.7*		*10 - 130*
d3-NMePFOSA	*91.1*		*10 - 130*
13C2-PFDoA	*115*		*40 - 130*
13C3-PFPrS	*134*		*20 - 150*
13C2 10:2 FTS	*129*		*10 - 200*

Lab Sample ID: LLCS 240-668053/3-A
Matrix: Solid
Analysis Batch: 668147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668053

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.532		ng/g		106	70 - 140
Perfluoropentanoic acid (PFPeA)	0.250	0.253		ng/g		101	60 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 240-668053/3-A
Matrix: Solid
Analysis Batch: 668147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668053

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid (PFHxA)	0.250	0.250		ng/g		100	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.250	0.199	J	ng/g		80	65 - 145
Perfluorooctanoic acid (PFOA)	0.250	0.263		ng/g		105	70 - 150
Perfluorononanoic acid (PFNA)	0.250	0.260		ng/g		104	70 - 155
Perfluorodecanoic acid (PFDA)	0.250	0.308		ng/g		123	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.250	0.280		ng/g		112	70 - 155
Perfluorododecanoic acid (PFDoA)	0.250	0.224		ng/g		89	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.250	0.233		ng/g		93	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.247		ng/g		99	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.184	J	ng/g		83	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.175	J	ng/g		74	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.182	J	ng/g		80	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.194	J	ng/g		81	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.258		ng/g		111	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.241	0.235		ng/g		98	55 - 140
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.188	J	ng/g		77	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.439		ng/g		94	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.477		ng/g		100	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.524		ng/g		109	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.253		ng/g		101	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.238		ng/g		95	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.242		ng/g		97	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.268		ng/g		107	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.277		ng/g		111	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.37		ng/g		110	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.11		ng/g		89	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.200		ng/g		107	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.238		ng/g		101	70 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.220		ng/g		88	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.283		ng/g		113	60 - 155

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 240-668053/3-A
Matrix: Solid
Analysis Batch: 668147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668053

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.234	0.220		ng/g		94	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.236	0.203		ng/g		86	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.214		ng/g		96	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.500	0.473		ng/g		95	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.25	1.07		ng/g		86	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.25	1.10		ng/g		88	60 - 150
Perfluorodecanesulfonic acid (PFDS)	0.241	0.227		ng/g		94	40 - 155
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.243		ng/g		97	30 - 140

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*97.9*		*8 - 130*
13C5 PFPeA	*94.3*		*35 - 130*
13C5 PFHxA	*84.6*		*40 - 130*
13C4 PFHpA	*88.7*		*40 - 130*
13C8 PFOA	*96.7*		*40 - 130*
13C9 PFNA	*90.7*		*40 - 130*
13C6 PFDA	*79.9*		*40 - 130*
13C7 PFUnA	*83.2*		*40 - 130*
13C2 PFTeDA	*85.8*		*20 - 130*
13C3 PFBS	*98.3*		*40 - 135*
13C3 PFHxS	*94.7*		*40 - 130*
13C8 PFOS	*92.2*		*40 - 130*
13C8 FOSA	*87.8*		*40 - 130*
d3-NMeFOSAA	*97.4*		*40 - 135*
d5-NEtFOSAA	*103*		*40 - 150*
13C2 4:2 FTS	*113*		*40 - 165*
13C2 6:2 FTS	*100*		*40 - 215*
13C2 8:2 FTS	*93.7*		*40 - 275*
13C3 HFPO-DA	*86.2*		*40 - 130*
d7-N-MeFOSE-M	*52.6*		*20 - 130*
d9-N-EtFOSE-M	*60.7*		*15 - 130*
d5-NEtPFOSA	*75.6*		*10 - 130*
d3-NMePFOSA	*76.0*		*10 - 130*
13C2-PFDoA	*91.8*		*40 - 130*
13C3-PFPrS	*102*		*20 - 150*
13C2 10:2 FTS	*101*		*10 - 200*

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 240-668869/1-A
Matrix: Solid
Analysis Batch: 668967

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668869

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.10	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.080	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.11	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.10	ng/g		08/22/25 08:52	08/22/25 16:09	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.10	ng/g		08/22/25 08:52	08/22/25 16:09	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.10	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.053	ng/g		08/22/25 08:52	08/22/25 16:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.25	ng/g		08/22/25 08:52	08/22/25 16:09	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.25	ng/g		08/22/25 08:52	08/22/25 16:09	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 240-668869/1-A
Matrix: Solid
Analysis Batch: 668967

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668869

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.10	ng/g		08/22/25 08:52	08/22/25 16:09	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.25	ng/g		08/22/25 08:52	08/22/25 16:09	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.25	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.050	ng/g		08/22/25 08:52	08/22/25 16:09	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*101*		*8 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C5 PFPeA	*96.0*		*35 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C5 PFHxA	*95.7*		*40 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C4 PFHpA	*93.5*		*40 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C8 PFOA	*95.3*		*40 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C9 PFNA	*105*		*40 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C6 PFDA	*94.0*		*40 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C7 PFUnA	*88.9*		*40 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C2 PFTeDA	*91.0*		*20 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C3 PFBS	*99.6*		*40 - 135*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C3 PFHxS	*99.3*		*40 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C8 PFOS	*99.6*		*40 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C8 FOSA	*91.6*		*40 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
d3-NMeFOSAA	*96.6*		*40 - 135*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
d5-NEtFOSAA	*88.1*		*40 - 150*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C2 4:2 FTS	*96.2*		*40 - 165*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C2 6:2 FTS	*91.6*		*40 - 215*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C2 8:2 FTS	*87.4*		*40 - 275*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C3 HFPO-DA	*93.8*		*40 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
d7-N-MeFOSE-M	*76.4*		*20 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
d9-N-EtFOSE-M	*71.0*		*15 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
d5-NEtPFOSA	*75.3*		*10 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
d3-NMePFOSA	*86.5*		*10 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C2-PFDoA	*97.0*		*40 - 130*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C3-PFPrS	*97.2*		*20 - 150*	*08/22/25 08:52*	*08/22/25 16:09*	*1*
13C2 10:2 FTS	*78.7*		*40 - 275*	*08/22/25 08:52*	*08/22/25 16:09*	*1*

Lab Sample ID: LCS 240-668869/3-A
Matrix: Solid
Analysis Batch: 668967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668869

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	5.00	5.32		ng/g		106	70 - 140
Perfluoropentanoic acid (PFPeA)	2.50	2.81		ng/g		113	60 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.56		ng/g		102	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.50	2.25		ng/g		90	65 - 145
Perfluorooctanoic acid (PFOA)	2.50	2.61		ng/g		105	70 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 240-668869/3-A
Matrix: Solid
Analysis Batch: 668967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668869

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanoic acid (PFNA)	2.50	2.60		ng/g		104	70 - 155
Perfluorodecanoic acid (PFDA)	2.50	2.88		ng/g		115	70 - 155
Perfluoroundecanoic acid (PFUnA)	2.50	2.81		ng/g		113	70 - 155
Perfluorododecanoic acid (PFDoA)	2.50	2.58		ng/g		103	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.48		ng/g		99	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.70		ng/g		108	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.22	2.01		ng/g		91	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.35	1.95		ng/g		83	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.11		ng/g		93	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.13		ng/g		89	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.33	2.54		ng/g		109	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.41	2.56		ng/g		106	55 - 140
Perfluorododecanesulfonic acid (PFDoS)	2.43	2.21		ng/g		91	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	5.07		ng/g		108	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	5.09		ng/g		107	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	5.24		ng/g		109	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.61		ng/g		104	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.71		ng/g		108	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.68		ng/g		107	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.81		ng/g		113	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.83		ng/g		113	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	14.3		ng/g		114	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	14.0		ng/g		112	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	2.12		ng/g		113	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	2.60		ng/g		110	70 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	2.68		ng/g		107	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	2.54		ng/g		102	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.34	2.28		ng/g		98	70 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 240-668869/3-A
Matrix: Solid
Analysis Batch: 668967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668869

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.36	2.19		ng/g		93	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.23	2.34		ng/g		105	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	5.00	5.46		ng/g		109	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.5	12.1		ng/g		96	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.5	12.0		ng/g		96	60 - 150
Perfluorodecanesulfonic acid (PFDS)	2.41	2.29		ng/g		95	40 - 155
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	2.70		ng/g		108	30 - 140

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*101*		*8 - 130*
13C5 PFPeA	*89.7*		*35 - 130*
13C5 PFHxA	*93.6*		*40 - 130*
13C4 PFHpA	*94.4*		*40 - 130*
13C8 PFOA	*95.0*		*40 - 130*
13C9 PFNA	*100*		*40 - 130*
13C6 PFDA	*86.6*		*40 - 130*
13C7 PFUnA	*78.4*		*40 - 130*
13C2 PFTeDA	*79.9*		*20 - 130*
13C3 PFBS	*88.1*		*40 - 135*
13C3 PFHxS	*97.5*		*40 - 130*
13C8 PFOS	*92.9*		*40 - 130*
13C8 FOSA	*82.2*		*40 - 130*
d3-NMeFOSAA	*86.3*		*40 - 135*
d5-NEtFOSAA	*77.8*		*40 - 150*
13C2 4:2 FTS	*82.4*		*40 - 165*
13C2 6:2 FTS	*88.3*		*40 - 215*
13C2 8:2 FTS	*77.1*		*40 - 275*
13C3 HFPO-DA	*88.5*		*40 - 130*
d7-N-MeFOSE-M	*59.6*		*20 - 130*
d9-N-EtFOSE-M	*57.9*		*15 - 130*
d5-NEtPFOSA	*60.4*		*10 - 130*
d3-NMePFOSA	*68.2*		*10 - 130*
13C2-PFDoA	*86.1*		*40 - 130*
13C3-PFPrS	*95.6*		*20 - 150*
13C2 10:2 FTS	*63.0*		*10 - 200*

Lab Sample ID: LLCS 240-668869/2-A
Matrix: Solid
Analysis Batch: 668967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668869

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.585		ng/g		117	70 - 140
Perfluoropentanoic acid (PFPeA)	0.250	0.288		ng/g		115	60 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 240-668869/2-A
Matrix: Solid
Analysis Batch: 668967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668869

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid (PFHxA)	0.250	0.290		ng/g		116	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.250	0.251		ng/g		101	65 - 145
Perfluorooctanoic acid (PFOA)	0.250	0.296		ng/g		118	70 - 150
Perfluorononanoic acid (PFNA)	0.250	0.279		ng/g		112	70 - 155
Perfluorodecanoic acid (PFDA)	0.250	0.319		ng/g		128	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.250	0.300		ng/g		120	70 - 155
Perfluorododecanoic acid (PFDoA)	0.250	0.286		ng/g		115	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.250	0.274		ng/g		110	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.317		ng/g		127	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.216		ng/g		97	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.211		ng/g		90	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.232		ng/g		102	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.234		ng/g		98	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.291		ng/g		125	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.241	0.292		ng/g		122	55 - 140
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.221		ng/g		91	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.558		ng/g		119	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.586		ng/g		123	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.612		ng/g		127	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.286		ng/g		114	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.297		ng/g		119	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.291		ng/g		117	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.306		ng/g		123	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.304		ng/g		122	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.68		ng/g		135	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.54		ng/g		123	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.219		ng/g		117	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.283		ng/g		120	70 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.286		ng/g		114	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.269		ng/g		108	60 - 155

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 240-668869/2-A
Matrix: Solid
Analysis Batch: 668967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668869

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)			0.234	0.253		ng/g		108	70 - 150		
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			0.236	0.234		ng/g		99	45 - 160		
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)			0.223	0.254		ng/g		114	70 - 140		
3-Perfluoropropylpropanoic acid (3:3 FTCA)			0.500	0.601		ng/g		120	45 - 130		
3-Perfluoropentylpropanoic acid (5:3 FTCA)			1.25	1.34		ng/g		108	60 - 130		
3-Perfluoroheptylpropanoic acid (7:3 FTCA)			1.25	1.38		ng/g		111	60 - 150		
Perfluorodecanesulfonic acid (PFDS)			0.241	0.248		ng/g		103	40 - 155		
Perfluoro-3-methoxypropanoic acid (PFMPA)			0.250	0.287		ng/g		115	30 - 140		

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*101*		*8 - 130*
13C5 PFPeA	*91.5*		*35 - 130*
13C5 PFHxA	*90.6*		*40 - 130*
13C4 PFHpA	*87.4*		*40 - 130*
13C8 PFOA	*95.0*		*40 - 130*
13C9 PFNA	*101*		*40 - 130*
13C6 PFDA	*89.0*		*40 - 130*
13C7 PFUnA	*84.3*		*40 - 130*
13C2 PFTeDA	*76.3*		*20 - 130*
13C3 PFBS	*92.3*		*40 - 135*
13C3 PFHxS	*98.4*		*40 - 130*
13C8 PFOS	*94.7*		*40 - 130*
13C8 FOSA	*85.7*		*40 - 130*
d3-NMeFOSAA	*93.2*		*40 - 135*
d5-NEtFOSAA	*84.3*		*40 - 150*
13C2 4:2 FTS	*88.1*		*40 - 165*
13C2 6:2 FTS	*86.0*		*40 - 215*
13C2 8:2 FTS	*85.4*		*40 - 275*
13C3 HFPO-DA	*91.0*		*40 - 130*
d7-N-MeFOSE-M	*42.5*		*20 - 130*
d9-N-EtFOSE-M	*42.2*		*15 - 130*
d5-NEtPFOSA	*70.2*		*10 - 130*
d3-NMePFOSA	*74.5*		*10 - 130*
13C2-PFDoA	*94.3*		*40 - 130*
13C3-PFPrS	*92.1*		*20 - 150*
13C2 10:2 FTS	*73.6*		*10 - 200*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-754462/1-A
Matrix: Solid
Analysis Batch: 754694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10.4	8.9	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Antimony	ND		15.6	0.55	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Arsenic	ND	^5+	2.1	0.91	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Barium	ND		0.52	0.15	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Beryllium	ND		0.21	0.041	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Cadmium	ND		0.21	0.073	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Calcium	ND		51.8	28.0	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Chromium	ND		0.52	0.37	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Cobalt	ND		0.52	0.10	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Copper	ND	^5+	1.0	0.59	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Iron	ND		10.4	8.8	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Lead	ND		1.0	0.48	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Magnesium	ND		20.7	8.8	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Manganese	ND		1.0	0.29	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Nickel	ND		5.2	0.26	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Potassium	ND		31.1	25.1	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Selenium	ND		4.1	0.83	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Silver	ND	^5-	0.62	0.21	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Sodium	ND		145	63.6	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Thallium	ND		6.2	0.79	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Vanadium	ND		0.52	0.13	mg/Kg		08/18/25 09:55	08/18/25 18:36	1
Zinc	ND		2.1	1.1	mg/Kg		08/18/25 09:55	08/18/25 18:36	1

Lab Sample ID: LCSSRM 480-754462/2-A
Matrix: Solid
Analysis Batch: 754694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754462

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7680	7130		mg/Kg		92.8	47.4 - 130.2
Antimony	201	59.79		mg/Kg		29.7	0.06 - 100.0
Arsenic	181	120.5		mg/Kg		66.6	66.3 - 97.8
Barium	211	165.4		mg/Kg		78.4	73.9 - 107.1
Beryllium	270	226.7		mg/Kg		83.9	73.0 - 104.4
Cadmium	221	175.5		mg/Kg		79.4	70.6 - 101.8
Calcium	4280	3637		mg/Kg		85.0	77.3 - 111.0
Chromium	149	120.2		mg/Kg		80.6	71.8 - 105.4
Cobalt	142	123.5		mg/Kg		87.0	73.2 - 104.2
Copper	264	215.6		mg/Kg		81.7	73.5 - 104.2
Iron	7360	6152		mg/Kg		83.6	55.4 - 130.3
Lead	106	87.29		mg/Kg		82.3	76.1 - 109.4

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-754462/2-A
Matrix: Solid
Analysis Batch: 754694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754462

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	2170	1769		mg/Kg		81.5	68.7 - 112.0
Manganese	270	206.6		mg/Kg		76.5	73.0 - 107.8
Nickel	177	152.3		mg/Kg		86.1	71.8 - 103.4
Potassium	2340	1989		mg/Kg		85.0	62.8 - 113.7
Selenium	139	99.77		mg/Kg		71.8	70.0 - 107.9
Silver	59.9	45.84		mg/Kg		76.5	72.8 - 110.7
Sodium	306	262.3		mg/Kg		85.7	66.0 - 113.4
Thallium	205	190.3		mg/Kg		92.8	71.7 - 106.8
Vanadium	155	123.5		mg/Kg		79.7	69.0 - 107.7
Zinc	398	308.7		mg/Kg		77.6	68.8 - 104.5

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-754700/1-A
Matrix: Solid
Analysis Batch: 754740

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754700

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0045	mg/Kg		08/19/25 08:54	08/19/25 10:38	1

Lab Sample ID: LCSSRM 480-754700/2-A
Matrix: Solid
Analysis Batch: 754740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754700

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	24.0	19.34		mg/Kg		80.6	55.8 - 109.6

GC/MS VOA

Prep Batch: 754374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	5035A_L	
480-231828-2	MW-2 6-8	Total/NA	Solid	5035A_L	
480-231828-3	MW-2 10-12	Total/NA	Solid	5035A_L	
MB 480-754374/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-754374/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 754378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	8260C	754374
480-231828-2	MW-2 6-8	Total/NA	Solid	8260C	754374
480-231828-3	MW-2 10-12	Total/NA	Solid	8260C	754374
MB 480-754374/2-A	Method Blank	Total/NA	Solid	8260C	754374
LCS 480-754374/1-A	Lab Control Sample	Total/NA	Solid	8260C	754374

Prep Batch: 754549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-4	MW-3 4-6	Total/NA	Solid	5035A_L	
480-231828-5	MW-4 8-10	Total/NA	Solid	5035A_L	
480-231828-6	MW-4 24-26	Total/NA	Solid	5035A_L	
480-231828-7	MW-5 4-6	Total/NA	Solid	5035A_L	
480-231828-8	SB-01 6-8	Total/NA	Solid	5035A_L	
480-231828-9	SB-02 10-12	Total/NA	Solid	5035A_L	
480-231828-10	SB-03 2-4	Total/NA	Solid	5035A_L	
480-231828-11	SB-03 0-2	Total/NA	Solid	5035A_L	
MB 480-754549/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-754549/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 754550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-4	MW-3 4-6	Total/NA	Solid	8260C	754549
480-231828-5	MW-4 8-10	Total/NA	Solid	8260C	754549
480-231828-6	MW-4 24-26	Total/NA	Solid	8260C	754549
480-231828-7	MW-5 4-6	Total/NA	Solid	8260C	754549
480-231828-8	SB-01 6-8	Total/NA	Solid	8260C	754549
480-231828-9	SB-02 10-12	Total/NA	Solid	8260C	754549
480-231828-10	SB-03 2-4	Total/NA	Solid	8260C	754549
480-231828-11	SB-03 0-2	Total/NA	Solid	8260C	754549
MB 480-754549/2-A	Method Blank	Total/NA	Solid	8260C	754549
LCS 480-754549/1-A	Lab Control Sample	Total/NA	Solid	8260C	754549

GC/MS Semi VOA

Prep Batch: 754398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	3546	
480-231828-2	MW-2 6-8	Total/NA	Solid	3546	
480-231828-3	MW-2 10-12	Total/NA	Solid	3546	
480-231828-4	MW-3 4-6	Total/NA	Solid	3546	
480-231828-5	MW-4 8-10	Total/NA	Solid	3546	
480-231828-6	MW-4 24-26	Total/NA	Solid	3546	
480-231828-7	MW-5 4-6	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 754398 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-8	SB-01 6-8	Total/NA	Solid	3546	
480-231828-9	SB-02 10-12	Total/NA	Solid	3546	
480-231828-10	SB-03 2-4	Total/NA	Solid	3546	
480-231828-11	SB-03 0-2	Total/NA	Solid	3546	
MB 480-754398/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-754398/2-A	Lab Control Sample	Total/NA	Solid	3546	
480-231828-6 MS	MW-4 24-26	Total/NA	Solid	3546	
480-231828-6 MSD	MW-4 24-26	Total/NA	Solid	3546	

Analysis Batch: 754409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-754398/1-A	Method Blank	Total/NA	Solid	8270D	754398
LCS 480-754398/2-A	Lab Control Sample	Total/NA	Solid	8270D	754398

Analysis Batch: 754593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	8270D	754398
480-231828-2	MW-2 6-8	Total/NA	Solid	8270D	754398
480-231828-3	MW-2 10-12	Total/NA	Solid	8270D	754398
480-231828-4	MW-3 4-6	Total/NA	Solid	8270D	754398
480-231828-5	MW-4 8-10	Total/NA	Solid	8270D	754398
480-231828-6	MW-4 24-26	Total/NA	Solid	8270D	754398
480-231828-7	MW-5 4-6	Total/NA	Solid	8270D	754398
480-231828-8	SB-01 6-8	Total/NA	Solid	8270D	754398
480-231828-9	SB-02 10-12	Total/NA	Solid	8270D	754398
480-231828-10	SB-03 2-4	Total/NA	Solid	8270D	754398
480-231828-11	SB-03 0-2	Total/NA	Solid	8270D	754398
480-231828-6 MS	MW-4 24-26	Total/NA	Solid	8270D	754398
480-231828-6 MSD	MW-4 24-26	Total/NA	Solid	8270D	754398

GC Semi VOA

Prep Batch: 754473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	8151A	
480-231828-2	MW-2 6-8	Total/NA	Solid	8151A	
480-231828-3	MW-2 10-12	Total/NA	Solid	8151A	
480-231828-4	MW-3 4-6	Total/NA	Solid	8151A	
480-231828-6	MW-4 24-26	Total/NA	Solid	8151A	
480-231828-7	MW-5 4-6	Total/NA	Solid	8151A	
MB 480-754473/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-754473/2-A	Lab Control Sample	Total/NA	Solid	8151A	
480-231828-6 MS	MW-4 24-26	Total/NA	Solid	8151A	
480-231828-6 MSD	MW-4 24-26	Total/NA	Solid	8151A	

Prep Batch: 754619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	3550C	
480-231828-2	MW-2 6-8	Total/NA	Solid	3550C	
480-231828-4	MW-3 4-6	Total/NA	Solid	3550C	
480-231828-6	MW-4 24-26	Total/NA	Solid	3550C	

GC Semi VOA (Continued)

Prep Batch: 754619 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-7	MW-5 4-6	Total/NA	Solid	3550C	
MB 480-754619/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-754619/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 754634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	3546	
480-231828-2	MW-2 6-8	Total/NA	Solid	3546	
480-231828-3	MW-2 10-12	Total/NA	Solid	3546	
480-231828-4	MW-3 4-6	Total/NA	Solid	3546	
480-231828-6	MW-4 24-26	Total/NA	Solid	3546	
480-231828-7	MW-5 4-6	Total/NA	Solid	3546	
MB 480-754634/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-754634/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 754678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	8082A	754619
480-231828-2	MW-2 6-8	Total/NA	Solid	8082A	754619
480-231828-4	MW-3 4-6	Total/NA	Solid	8082A	754619
480-231828-6	MW-4 24-26	Total/NA	Solid	8082A	754619
480-231828-7	MW-5 4-6	Total/NA	Solid	8082A	754619
MB 480-754619/1-A	Method Blank	Total/NA	Solid	8082A	754619
LCS 480-754619/2-A	Lab Control Sample	Total/NA	Solid	8082A	754619

Analysis Batch: 754687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	8081B	754634
480-231828-2	MW-2 6-8	Total/NA	Solid	8081B	754634
480-231828-3	MW-2 10-12	Total/NA	Solid	8081B	754634
480-231828-4	MW-3 4-6	Total/NA	Solid	8081B	754634
480-231828-6	MW-4 24-26	Total/NA	Solid	8081B	754634
480-231828-7	MW-5 4-6	Total/NA	Solid	8081B	754634
MB 480-754634/1-A	Method Blank	Total/NA	Solid	8081B	754634
LCS 480-754634/2-A	Lab Control Sample	Total/NA	Solid	8081B	754634

Analysis Batch: 754854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	8151A	754473
480-231828-2	MW-2 6-8	Total/NA	Solid	8151A	754473
480-231828-3	MW-2 10-12	Total/NA	Solid	8151A	754473
480-231828-4	MW-3 4-6	Total/NA	Solid	8151A	754473
480-231828-6	MW-4 24-26	Total/NA	Solid	8151A	754473
480-231828-7	MW-5 4-6	Total/NA	Solid	8151A	754473
MB 480-754473/1-A	Method Blank	Total/NA	Solid	8151A	754473
LCS 480-754473/2-A	Lab Control Sample	Total/NA	Solid	8151A	754473
480-231828-6 MS	MW-4 24-26	Total/NA	Solid	8151A	754473
480-231828-6 MSD	MW-4 24-26	Total/NA	Solid	8151A	754473

QC Association Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

LCMS

Prep Batch: 668053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	1633 Shake	
480-231828-4	MW-3 4-6	Total/NA	Solid	1633 Shake	
480-231828-6	MW-4 24-26	Total/NA	Solid	1633 Shake	
480-231828-7	MW-5 4-6	Total/NA	Solid	1633 Shake	
MB 240-668053/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 240-668053/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 240-668053/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	

Analysis Batch: 668147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	1633A	668053
480-231828-4	MW-3 4-6	Total/NA	Solid	1633A	668053
480-231828-6	MW-4 24-26	Total/NA	Solid	1633A	668053
480-231828-7	MW-5 4-6	Total/NA	Solid	1633A	668053
MB 240-668053/1-A	Method Blank	Total/NA	Solid	1633A	668053
LCS 240-668053/2-A	Lab Control Sample	Total/NA	Solid	1633A	668053
LLCS 240-668053/3-A	Lab Control Sample	Total/NA	Solid	1633A	668053

Prep Batch: 668869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-2	MW-2 6-8	Total/NA	Solid	1633 Shake	
MB 240-668869/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 240-668869/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 240-668869/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	

Analysis Batch: 668967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-2	MW-2 6-8	Total/NA	Solid	1633A	668869
MB 240-668869/1-A	Method Blank	Total/NA	Solid	1633A	668869
LCS 240-668869/3-A	Lab Control Sample	Total/NA	Solid	1633A	668869
LLCS 240-668869/2-A	Lab Control Sample	Total/NA	Solid	1633A	668869

Metals

Prep Batch: 754462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	3050B	
480-231828-2	MW-2 6-8	Total/NA	Solid	3050B	
480-231828-3	MW-2 10-12	Total/NA	Solid	3050B	
480-231828-4	MW-3 4-6	Total/NA	Solid	3050B	
480-231828-5	MW-4 8-10	Total/NA	Solid	3050B	
480-231828-6	MW-4 24-26	Total/NA	Solid	3050B	
480-231828-7	MW-5 4-6	Total/NA	Solid	3050B	
480-231828-8	SB-01 6-8	Total/NA	Solid	3050B	
480-231828-9	SB-02 10-12	Total/NA	Solid	3050B	
480-231828-10	SB-03 2-4	Total/NA	Solid	3050B	
480-231828-11	SB-03 0-2	Total/NA	Solid	3050B	
MB 480-754462/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-754462/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Metals

Analysis Batch: 754694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	6010D	754462
480-231828-2	MW-2 6-8	Total/NA	Solid	6010D	754462
480-231828-3	MW-2 10-12	Total/NA	Solid	6010D	754462
480-231828-4	MW-3 4-6	Total/NA	Solid	6010D	754462
480-231828-5	MW-4 8-10	Total/NA	Solid	6010D	754462
480-231828-6	MW-4 24-26	Total/NA	Solid	6010D	754462
480-231828-7	MW-5 4-6	Total/NA	Solid	6010D	754462
480-231828-8	SB-01 6-8	Total/NA	Solid	6010D	754462
480-231828-9	SB-02 10-12	Total/NA	Solid	6010D	754462
480-231828-10	SB-03 2-4	Total/NA	Solid	6010D	754462
480-231828-11	SB-03 0-2	Total/NA	Solid	6010D	754462
MB 480-754462/1-A	Method Blank	Total/NA	Solid	6010D	754462
LCSSRM 480-754462/2-A	Lab Control Sample	Total/NA	Solid	6010D	754462

Prep Batch: 754700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	7471B	
480-231828-2	MW-2 6-8	Total/NA	Solid	7471B	
480-231828-3	MW-2 10-12	Total/NA	Solid	7471B	
480-231828-4	MW-3 4-6	Total/NA	Solid	7471B	
480-231828-5	MW-4 8-10	Total/NA	Solid	7471B	
480-231828-6	MW-4 24-26	Total/NA	Solid	7471B	
480-231828-7	MW-5 4-6	Total/NA	Solid	7471B	
480-231828-8	SB-01 6-8	Total/NA	Solid	7471B	
480-231828-9	SB-02 10-12	Total/NA	Solid	7471B	
480-231828-10	SB-03 2-4	Total/NA	Solid	7471B	
480-231828-11	SB-03 0-2	Total/NA	Solid	7471B	
MB 480-754700/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-754700/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 754740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	7471B	754700
480-231828-2	MW-2 6-8	Total/NA	Solid	7471B	754700
480-231828-3	MW-2 10-12	Total/NA	Solid	7471B	754700
480-231828-4	MW-3 4-6	Total/NA	Solid	7471B	754700
480-231828-5	MW-4 8-10	Total/NA	Solid	7471B	754700
480-231828-6	MW-4 24-26	Total/NA	Solid	7471B	754700
480-231828-7	MW-5 4-6	Total/NA	Solid	7471B	754700
480-231828-8	SB-01 6-8	Total/NA	Solid	7471B	754700
480-231828-9	SB-02 10-12	Total/NA	Solid	7471B	754700
480-231828-10	SB-03 2-4	Total/NA	Solid	7471B	754700
480-231828-11	SB-03 0-2	Total/NA	Solid	7471B	754700
MB 480-754700/1-A	Method Blank	Total/NA	Solid	7471B	754700
LCSSRM 480-754700/2-A	Lab Control Sample	Total/NA	Solid	7471B	754700

Analysis Batch: 754748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-11	SB-03 0-2	Total/NA	Solid	6010D	754462

QC Association Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

General Chemistry

Analysis Batch: 754367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-1	MW-1 10-12	Total/NA	Solid	Moisture	
480-231828-2	MW-2 6-8	Total/NA	Solid	Moisture	
480-231828-3	MW-2 10-12	Total/NA	Solid	Moisture	
480-231828-4	MW-3 4-6	Total/NA	Solid	Moisture	
480-231828-5	MW-4 8-10	Total/NA	Solid	Moisture	
480-231828-6	MW-4 24-26	Total/NA	Solid	Moisture	
480-231828-7	MW-5 4-6	Total/NA	Solid	Moisture	
480-231828-8	SB-01 6-8	Total/NA	Solid	Moisture	
480-231828-9	SB-02 10-12	Total/NA	Solid	Moisture	
480-231828-10	SB-03 2-4	Total/NA	Solid	Moisture	
480-231828-11	SB-03 0-2	Total/NA	Solid	Moisture	

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-231828-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: MW-1 10-12
Lab Sample ID: 480-231828-1
Date Collected: 08/11/25 00:00
Matrix: Solid
Date Received: 08/13/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754367	JMM	EET BUF	08/14/25 15:34

Client Sample ID: MW-1 10-12
Lab Sample ID: 480-231828-1
Date Collected: 08/11/25 00:00
Matrix: Solid
Date Received: 08/13/25 15:30
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			754374	CDC	EET BUF	08/14/25 14:45
Total/NA	Analysis	8260C		1	754378	LCH	EET BUF	08/15/25 03:00
Total/NA	Prep	3546			754398	VXF	EET BUF	08/15/25 06:57
Total/NA	Analysis	8270D		1	754593	JMM	EET BUF	08/18/25 18:05
Total/NA	Prep	3546			754634	LSC	EET BUF	08/18/25 13:17
Total/NA	Analysis	8081B		1	754687	JLS	EET BUF	08/19/25 11:36
Total/NA	Prep	3550C			754619	SMP	EET BUF	08/18/25 11:08
Total/NA	Analysis	8082A		1	754678	J1B	EET BUF	08/19/25 12:06
Total/NA	Prep	8151A			754473	VXF	EET BUF	08/15/25 11:47
Total/NA	Analysis	8151A		1	754854	JLS	EET BUF	08/20/25 17:39
Total/NA	Prep	1633 Shake			668053	E6JD	EET CLE	08/18/25 09:34
Total/NA	Analysis	1633A		1	668147	LD	EET CLE	08/19/25 01:53
Total/NA	Prep	3050B			754462	EMO	EET BUF	08/18/25 09:55
Total/NA	Analysis	6010D		1	754694	MP	EET BUF	08/18/25 18:40
Total/NA	Prep	7471B			754700	ESB	EET BUF	08/19/25 08:54
Total/NA	Analysis	7471B		1	754740	ESB	EET BUF	08/19/25 10:58

Client Sample ID: MW-2 6-8
Lab Sample ID: 480-231828-2
Date Collected: 08/12/25 11:00
Matrix: Solid
Date Received: 08/13/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754367	JMM	EET BUF	08/14/25 15:34

Client Sample ID: MW-2 6-8
Lab Sample ID: 480-231828-2
Date Collected: 08/12/25 11:00
Matrix: Solid
Date Received: 08/13/25 15:30
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			754374	CDC	EET BUF	08/14/25 14:45
Total/NA	Analysis	8260C		1	754378	LCH	EET BUF	08/15/25 03:23
Total/NA	Prep	3546			754398	VXF	EET BUF	08/15/25 06:57
Total/NA	Analysis	8270D		1	754593	JMM	EET BUF	08/18/25 18:30
Total/NA	Prep	3546			754634	LSC	EET BUF	08/18/25 13:17
Total/NA	Analysis	8081B		1	754687	JLS	EET BUF	08/19/25 11:56
Total/NA	Prep	3550C			754619	SMP	EET BUF	08/18/25 11:08
Total/NA	Analysis	8082A		1	754678	J1B	EET BUF	08/19/25 12:25

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-231828-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: MW-2 6-8
Lab Sample ID: 480-231828-2
Date Collected: 08/12/25 11:00
Matrix: Solid
Date Received: 08/13/25 15:30
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	8151A			754473	VXF	EET BUF	08/15/25 11:47
Total/NA	Analysis	8151A		1	754854	JLS	EET BUF	08/20/25 18:16
Total/NA	Prep	1633 Shake			668869	JVB4	EET CLE	08/22/25 08:52
Total/NA	Analysis	1633A		1	668967	DSH	EET CLE	08/22/25 17:16
Total/NA	Prep	3050B			754462	EMO	EET BUF	08/18/25 09:55
Total/NA	Analysis	6010D		1	754694	MP	EET BUF	08/18/25 18:42
Total/NA	Prep	7471B			754700	ESB	EET BUF	08/19/25 08:54
Total/NA	Analysis	7471B		1	754740	ESB	EET BUF	08/19/25 10:59

Client Sample ID: MW-2 10-12
Lab Sample ID: 480-231828-3
Date Collected: 08/12/25 11:00
Matrix: Solid
Date Received: 08/13/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754367	JMM	EET BUF	08/14/25 15:34

Client Sample ID: MW-2 10-12
Lab Sample ID: 480-231828-3
Date Collected: 08/12/25 11:00
Matrix: Solid
Date Received: 08/13/25 15:30
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			754374	CDC	EET BUF	08/14/25 14:45
Total/NA	Analysis	8260C		1	754378	LCH	EET BUF	08/15/25 03:47
Total/NA	Prep	3546			754398	VXF	EET BUF	08/15/25 06:57
Total/NA	Analysis	8270D		1	754593	JMM	EET BUF	08/18/25 18:55
Total/NA	Prep	3546			754634	LSC	EET BUF	08/18/25 13:17
Total/NA	Analysis	8081B		1	754687	JLS	EET BUF	08/19/25 12:15
Total/NA	Prep	8151A			754473	VXF	EET BUF	08/15/25 11:47
Total/NA	Analysis	8151A		1	754854	JLS	EET BUF	08/20/25 18:34
Total/NA	Prep	3050B			754462	EMO	EET BUF	08/18/25 09:55
Total/NA	Analysis	6010D		1	754694	MP	EET BUF	08/18/25 18:44
Total/NA	Prep	7471B			754700	ESB	EET BUF	08/19/25 08:54
Total/NA	Analysis	7471B		1	754740	ESB	EET BUF	08/19/25 11:01

Client Sample ID: MW-3 4-6
Lab Sample ID: 480-231828-4
Date Collected: 08/12/25 10:10
Matrix: Solid
Date Received: 08/13/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754367	JMM	EET BUF	08/14/25 15:34

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-231828-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: MW-3 4-6
Lab Sample ID: 480-231828-4
Date Collected: 08/12/25 10:10
Matrix: Solid
Date Received: 08/13/25 15:30
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			754549	CDC	EET BUF	08/17/25 18:01
Total/NA	Analysis	8260C		1	754550	LCH	EET BUF	08/18/25 01:42
Total/NA	Prep	3546			754398	VXF	EET BUF	08/15/25 06:57
Total/NA	Analysis	8270D		1	754593	JMM	EET BUF	08/18/25 19:19
Total/NA	Prep	3546			754634	LSC	EET BUF	08/18/25 13:17
Total/NA	Analysis	8081B		1	754687	JLS	EET BUF	08/19/25 12:35
Total/NA	Prep	3550C			754619	SMP	EET BUF	08/18/25 11:08
Total/NA	Analysis	8082A		1	754678	J1B	EET BUF	08/19/25 12:43
Total/NA	Prep	8151A			754473	VXF	EET BUF	08/15/25 11:47
Total/NA	Analysis	8151A		1	754854	JLS	EET BUF	08/20/25 18:53
Total/NA	Prep	1633 Shake			668053	E6JD	EET CLE	08/18/25 09:34
Total/NA	Analysis	1633A		1	668147	LD	EET CLE	08/19/25 02:27
Total/NA	Prep	3050B			754462	EMO	EET BUF	08/18/25 09:55
Total/NA	Analysis	6010D		1	754694	MP	EET BUF	08/18/25 18:45
Total/NA	Prep	7471B			754700	ESB	EET BUF	08/19/25 08:54
Total/NA	Analysis	7471B		1	754740	ESB	EET BUF	08/19/25 11:02

Client Sample ID: MW-4 8-10
Lab Sample ID: 480-231828-5
Date Collected: 08/12/25 13:30
Matrix: Solid
Date Received: 08/13/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754367	JMM	EET BUF	08/14/25 15:34

Client Sample ID: MW-4 8-10
Lab Sample ID: 480-231828-5
Date Collected: 08/12/25 13:30
Matrix: Solid
Date Received: 08/13/25 15:30
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			754549	CDC	EET BUF	08/14/25 14:45
Total/NA	Analysis	8260C		1	754550	LCH	EET BUF	08/18/25 02:05
Total/NA	Prep	3546			754398	VXF	EET BUF	08/15/25 06:57
Total/NA	Analysis	8270D		1	754593	JMM	EET BUF	08/18/25 19:44
Total/NA	Prep	3050B			754462	EMO	EET BUF	08/18/25 09:55
Total/NA	Analysis	6010D		1	754694	MP	EET BUF	08/18/25 18:47
Total/NA	Prep	7471B			754700	ESB	EET BUF	08/19/25 08:54
Total/NA	Analysis	7471B		1	754740	ESB	EET BUF	08/19/25 11:03

Client Sample ID: MW-4 24-26
Lab Sample ID: 480-231828-6
Date Collected: 08/12/25 13:30
Matrix: Solid
Date Received: 08/13/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754367	JMM	EET BUF	08/14/25 15:34

Client Sample ID: MW-4 24-26

Lab Sample ID: 480-231828-6

Date Collected: 08/12/25 13:30

Matrix: Solid

Date Received: 08/13/25 15:30

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			754549	CDC	EET BUF	08/14/25 14:45
Total/NA	Analysis	8260C		1	754550	LCH	EET BUF	08/18/25 02:29
Total/NA	Prep	3546			754398	VXF	EET BUF	08/15/25 06:57
Total/NA	Analysis	8270D		1	754593	JMM	EET BUF	08/18/25 17:40
Total/NA	Prep	3546			754634	LSC	EET BUF	08/18/25 13:17
Total/NA	Analysis	8081B		1	754687	JLS	EET BUF	08/19/25 12:55
Total/NA	Prep	3550C			754619	SMP	EET BUF	08/18/25 11:08
Total/NA	Analysis	8082A		1	754678	J1B	EET BUF	08/19/25 13:02
Total/NA	Prep	8151A			754473	VXF	EET BUF	08/15/25 11:47
Total/NA	Analysis	8151A		1	754854	JLS	EET BUF	08/20/25 17:20
Total/NA	Prep	1633 Shake			668053	E6JD	EET CLE	08/18/25 09:34
Total/NA	Analysis	1633A		1	668147	LD	EET CLE	08/19/25 02:43
Total/NA	Prep	3050B			754462	EMO	EET BUF	08/18/25 09:55
Total/NA	Analysis	6010D		1	754694	MP	EET BUF	08/18/25 18:49
Total/NA	Prep	7471B			754700	ESB	EET BUF	08/19/25 08:54
Total/NA	Analysis	7471B		1	754740	ESB	EET BUF	08/19/25 11:04

Client Sample ID: MW-5 4-6

Lab Sample ID: 480-231828-7

Date Collected: 08/13/25 09:40

Matrix: Solid

Date Received: 08/13/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754367	JMM	EET BUF	08/14/25 15:34

Client Sample ID: MW-5 4-6

Lab Sample ID: 480-231828-7

Date Collected: 08/13/25 09:40

Matrix: Solid

Date Received: 08/13/25 15:30

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			754549	CDC	EET BUF	08/14/25 14:45
Total/NA	Analysis	8260C		1	754550	LCH	EET BUF	08/18/25 02:52
Total/NA	Prep	3546			754398	VXF	EET BUF	08/15/25 06:57
Total/NA	Analysis	8270D		1	754593	JMM	EET BUF	08/18/25 20:09
Total/NA	Prep	3546			754634	LSC	EET BUF	08/18/25 13:17
Total/NA	Analysis	8081B		1	754687	JLS	EET BUF	08/19/25 13:15
Total/NA	Prep	3550C			754619	SMP	EET BUF	08/18/25 11:08
Total/NA	Analysis	8082A		1	754678	J1B	EET BUF	08/19/25 13:20
Total/NA	Prep	8151A			754473	VXF	EET BUF	08/15/25 11:47
Total/NA	Analysis	8151A		1	754854	JLS	EET BUF	08/20/25 19:11
Total/NA	Prep	1633 Shake			668053	E6JD	EET CLE	08/18/25 09:34
Total/NA	Analysis	1633A		1	668147	LD	EET CLE	08/19/25 03:00
Total/NA	Prep	3050B			754462	EMO	EET BUF	08/18/25 09:55
Total/NA	Analysis	6010D		1	754694	MP	EET BUF	08/18/25 18:51
Total/NA	Prep	7471B			754700	ESB	EET BUF	08/19/25 08:54
Total/NA	Analysis	7471B		1	754740	ESB	EET BUF	08/19/25 11:06

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-231828-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SB-01 6-8
Lab Sample ID: 480-231828-8
Date Collected: 08/12/25 08:30
Matrix: Solid
Date Received: 08/13/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754367	JMM	EET BUF	08/14/25 15:34

Client Sample ID: SB-01 6-8
Lab Sample ID: 480-231828-8
Date Collected: 08/12/25 08:30
Matrix: Solid
Date Received: 08/13/25 15:30
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			754549	CDC	EET BUF	08/14/25 14:45
Total/NA	Analysis	8260C		1	754550	LCH	EET BUF	08/18/25 03:16
Total/NA	Prep	3546			754398	VXF	EET BUF	08/15/25 06:57
Total/NA	Analysis	8270D		1	754593	JMM	EET BUF	08/18/25 20:33
Total/NA	Prep	3050B			754462	EMO	EET BUF	08/18/25 09:55
Total/NA	Analysis	6010D		1	754694	MP	EET BUF	08/18/25 18:59
Total/NA	Prep	7471B			754700	ESB	EET BUF	08/19/25 08:54
Total/NA	Analysis	7471B		1	754740	ESB	EET BUF	08/19/25 11:10

Client Sample ID: SB-02 10-12
Lab Sample ID: 480-231828-9
Date Collected: 08/12/25 12:40
Matrix: Solid
Date Received: 08/13/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754367	JMM	EET BUF	08/14/25 15:34

Client Sample ID: SB-02 10-12
Lab Sample ID: 480-231828-9
Date Collected: 08/12/25 12:40
Matrix: Solid
Date Received: 08/13/25 15:30
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			754549	CDC	EET BUF	08/14/25 14:45
Total/NA	Analysis	8260C		1	754550	LCH	EET BUF	08/18/25 03:39
Total/NA	Prep	3546			754398	VXF	EET BUF	08/15/25 06:57
Total/NA	Analysis	8270D		1	754593	JMM	EET BUF	08/18/25 20:58
Total/NA	Prep	3050B			754462	EMO	EET BUF	08/18/25 09:55
Total/NA	Analysis	6010D		1	754694	MP	EET BUF	08/18/25 19:01
Total/NA	Prep	7471B			754700	ESB	EET BUF	08/19/25 08:54
Total/NA	Analysis	7471B		1	754740	ESB	EET BUF	08/19/25 11:11

Client Sample ID: SB-03 2-4
Lab Sample ID: 480-231828-10
Date Collected: 08/13/25 08:15
Matrix: Solid
Date Received: 08/13/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754367	JMM	EET BUF	08/14/25 15:34

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-231828-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SB-03 2-4
Lab Sample ID: 480-231828-10
Date Collected: 08/13/25 08:15
Matrix: Solid
Date Received: 08/13/25 15:30
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			754549	CDC	EET BUF	08/14/25 14:45
Total/NA	Analysis	8260C		1	754550	LCH	EET BUF	08/18/25 04:03
Total/NA	Prep	3546			754398	VXF	EET BUF	08/15/25 06:57
Total/NA	Analysis	8270D		1	754593	JMM	EET BUF	08/18/25 21:23
Total/NA	Prep	3050B			754462	EMO	EET BUF	08/18/25 09:55
Total/NA	Analysis	6010D		1	754694	MP	EET BUF	08/18/25 19:03
Total/NA	Prep	7471B			754700	ESB	EET BUF	08/19/25 08:54
Total/NA	Analysis	7471B		1	754740	ESB	EET BUF	08/19/25 11:12

Client Sample ID: SB-03 0-2
Lab Sample ID: 480-231828-11
Date Collected: 08/13/25 08:15
Matrix: Solid
Date Received: 08/13/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	754367	JMM	EET BUF	08/14/25 15:34

Client Sample ID: SB-03 0-2
Lab Sample ID: 480-231828-11
Date Collected: 08/13/25 08:15
Matrix: Solid
Date Received: 08/13/25 15:30
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			754549	CDC	EET BUF	08/14/25 14:45
Total/NA	Analysis	8260C		1	754550	LCH	EET BUF	08/18/25 04:26
Total/NA	Prep	3546			754398	VXF	EET BUF	08/15/25 06:57
Total/NA	Analysis	8270D		10	754593	JMM	EET BUF	08/18/25 21:48
Total/NA	Prep	3050B			754462	EMO	EET BUF	08/18/25 09:55
Total/NA	Analysis	6010D		1	754694	MP	EET BUF	08/18/25 19:05
Total/NA	Prep	3050B			754462	EMO	EET BUF	08/18/25 09:55
Total/NA	Analysis	6010D		50	754748	MP	EET BUF	08/19/25 11:58
Total/NA	Prep	7471B			754700	ESB	EET BUF	08/19/25 08:54
Total/NA	Analysis	7471B		1	754740	ESB	EET BUF	08/19/25 11:14

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-231828-1
Project/Site: 9 Lakeview Avenue Site,

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8151A	8151A	Solid	Picloram
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	04-01-26

Method Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8081B	Organochlorine Pesticides (GC)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
8151A	Herbicides (GC)	SW846	EET BUF
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	EET CLE
6010D	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
1633 Shake	Shake Extraction with SPE	EPA	EET CLE
3050B	Preparation, Metals	SW846	EET BUF
3546	Microwave Extraction	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_L	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF
8151A	Extraction (Herbicides)	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-231828-1	MW-1 10-12	Solid	08/11/25 00:00	08/13/25 15:30	New York
480-231828-2	MW-2 6-8	Solid	08/12/25 11:00	08/13/25 15:30	New York
480-231828-3	MW-2 10-12	Solid	08/12/25 11:00	08/13/25 15:30	New York
480-231828-4	MW-3 4-6	Solid	08/12/25 10:10	08/13/25 15:30	New York
480-231828-5	MW-4 8-10	Solid	08/12/25 13:30	08/13/25 15:30	New York
480-231828-6	MW-4 24-26	Solid	08/12/25 13:30	08/13/25 15:30	New York
480-231828-7	MW-5 4-6	Solid	08/13/25 09:40	08/13/25 15:30	New York
480-231828-8	SB-01 6-8	Solid	08/12/25 08:30	08/13/25 15:30	New York
480-231828-9	SB-02 10-12	Solid	08/12/25 12:40	08/13/25 15:30	New York
480-231828-10	SB-03 2-4	Solid	08/13/25 08:15	08/13/25 15:30	New York
480-231828-11	SB-03 0-2	Solid	08/13/25 08:15	08/13/25 15:30	New York

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Phone (717) 656-2300

Chain of Custody Record

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Client Information	Sampler: Armand Moskalwk	Lab PM: Beninati John	Carrier Tracking No(s):	COC No:
Client Contact: Armand Moskalwk	Phone: 716-622-1244	E-Mail:	State of Origin: NY	Page:
Company: Labella Associates DPC	PWSID:			Job #:
Address: 300 Pearl Street	Due Date Requested:			
City: Buffalo	TAT Requested (days): Standard			
State, Zip: NY 14202	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 225375			
Email: amoskalwk@labellapc.com	WO #:			
Project Name: 7 Lakeview Ave	Project #: 2255			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOCs, SVOCs, TCL metals, TAL metals, TCL 8270+TICs	VOCs, TCL +cp-5+TICs	SVOCs, TAL metals, TCL 8270+TICs	PFAS	PCBS	Herbicides + Pesticides	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-1 10-12	8/11/25		6	soild			X	X	X	X	X	X		DI vials frozen 8/11 18:00
MW-2 6-8	8/12/25	11:00	6	soild			X	X	X	X	X	X		DI vials frozen 8/12 19:00
MW-2 10-12	8/12/25	11:00	6	soild			X	X	X	X	X	X		DI vials frozen 8/12 19:00
MW-3 4-6	8/12/25	10:10	6	soild			X	X	X	X	X	X		DI vials frozen 8/12 18:00
MW-4 8-10	8/12/25	13:30	6	soild			X	X	X	X	X	X		DI vials frozen 8/12 18:00
MW-4 24-26	8/12/25	13:30	6	soild			X	X	X	X	X	X		DI vials frozen 8/12 18:00
MW 5 4-6	8/13/25	9:40	6	soild			X	X	X	X	X	X		
SB-01 6-8	8/12/25	8:30	6	soild			X	X	X					DI vials frozen 8/12 18:00
SB-02 10-12	8/12/25	12:40	6	soild			X	X	X					DI vials frozen 8/12 18:00
SB-03 2-4	8/13/25	8:15	6	soild			X	X	X					
SB-03 0-2	8/13/25	8:15	6	soild			X	X	X					

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples: ☐ Return To Client ☐ Disposal By Lab

Deliverable Requested: I, II, III, IV, Other (specify) Will be sent to data validator

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Armand Moskalwk	8/13/25	Labella	[illegible]	8/13/25 1530	EURO

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 2713879

Cooler Temperature(s) °C and Other Remarks: 4.5, 8.2 IR#SC Ice

Ver: 01/16/2019

480-231828 Chain of Custody

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-231828-1

Login Number: 231828
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.5,8.2 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZE 8-14-25 14:45
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	LaBella
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Adam Zebrowski
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 8/28/2025 10:28:06 AM

JOB DESCRIPTION

9 Lakeview Avenue Site,

JOB NUMBER

480-230990-2

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
8/28/2025 10:28:06 AM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-230990-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 7/10/2025 4:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.7°C and 5.2°C.

Receipt Exceptions
Requested methods listed on coc did not match total number of containers and corresponding information listed on container labels. Containers received listed numerous methods that were not selected on coc. Sample was logged referencing methods listed on container labels pending client/ pm resolution.

SS-3 (480-230990-5)

General Chemistry
Method 7196A: The following samples were diluted due to the nature of the sample matrix: SS-1 (480-230990-1), SS-2 (480-230990-3) and SS-5 (480-230990-12). Elevated reporting limits (RLs) are provided.

Method 7196A: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: SS-1 (480-230990-1), TP-7 2-3FT (480-230990-2), SS-2 (480-230990-3), TP-8 3-4FT (480-230990-4), SS-3 (480-230990-5), SS-4 (480-230990-8) and SS-5 (480-230990-12).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SS-1 — Lab Sample ID: 480-230990-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	646		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

Client Sample ID: TP-7 2-3FT — Lab Sample ID: 480-230990-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	4.8	H	2.0	0.67	mg/Kg	4	☼	7196A	Total/NA
Cr (III)	64.3		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

Client Sample ID: SS-2 — Lab Sample ID: 480-230990-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	13.8		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

Client Sample ID: TP-8 3-4FT — Lab Sample ID: 480-230990-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.26	J H	0.52	0.17	mg/Kg	1	☼	7196A	Total/NA
Cr (III)	26.0		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

Client Sample ID: SS-3 — Lab Sample ID: 480-230990-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	24.7		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

Client Sample ID: SS-4 — Lab Sample ID: 480-230990-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.18	J H	0.49	0.16	mg/Kg	1	☼	7196A	Total/NA
Cr (III)	32.1		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

Client Sample ID: SS-5 — Lab Sample ID: 480-230990-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	13.7		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SS-1
Lab Sample ID: 480-230990-1
Date Collected: 07/10/25 08:37
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 98.2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND	H	4.3	1.4	mg/Kg	☼	08/26/25 11:03	08/27/25 10:37	10
Cr (III) (SM 3500 CR D)	**646**		1.5	0.63	mg/Kg	☼		08/28/25 10:21	1

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-7 2-3FT
Lab Sample ID: 480-230990-2
Date Collected: 07/10/25 09:00
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 82.5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	4.8	H	2.0	0.67	mg/Kg	☼	08/26/25 11:03	08/27/25 10:37	4
Cr (III) (SM 3500 CR D)	64.3		1.5	0.63	mg/Kg	☼		08/28/25 10:21	1

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SS-2
Lab Sample ID: 480-230990-3
Date Collected: 07/10/25 10:00
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 93.2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND	H	1.7	0.58	mg/Kg	☼	08/26/25 11:03	08/27/25 10:37	4
Cr (III) (SM 3500 CR D)	**13.8**		1.5	0.63	mg/Kg	☼		08/28/25 10:21	1

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-8 3-4FT
Lab Sample ID: 480-230990-4
Date Collected: 07/10/25 10:25
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 81.0

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	0.26	J H	0.52	0.17	mg/Kg	☼	08/26/25 11:03	08/27/25 10:37	1
Cr (III) (SM 3500 CR D)	26.0		1.5	0.63	mg/Kg	☼		08/28/25 10:21	1

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SS-3
Lab Sample ID: 480-230990-5
Date Collected: 07/10/25 11:20
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 88.3

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND	H	0.47	0.16	mg/Kg	☼	08/26/25 11:03	08/27/25 10:37	1
Cr (III) (SM 3500 CR D)	**24.7**		1.5	0.63	mg/Kg	☼		08/28/25 10:21	1

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SS-4
Lab Sample ID: 480-230990-8
Date Collected: 07/10/25 12:40
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 85.6

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	0.18	J H	0.49	0.16	mg/Kg	☼	08/26/25 11:03	08/27/25 10:37	1
Cr (III) (SM 3500 CR D)	32.1		1.5	0.63	mg/Kg	☼		08/28/25 10:21	1

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SS-5
Lab Sample ID: 480-230990-12
Date Collected: 07/10/25 14:05
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 87.8

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND	H	1.9	0.63	mg/Kg	☼	08/26/25 11:03	08/27/25 10:37	4
Cr (III) (SM 3500 CR D)	**13.7**		1.5	0.63	mg/Kg	☼		08/28/25 10:21	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-230990-2

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 410-690690/1-A
Matrix: Solid
Analysis Batch: 691242

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690690

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.42	0.14	mg/Kg		08/26/25 11:03	08/27/25 10:37	1

Lab Sample ID: LCS 410-690690/2-A
Matrix: Solid
Analysis Batch: 691242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690690

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	5.00	4.72		mg/Kg		94	80 - 120

Lab Sample ID: LCSI 410-690690/3-A
Matrix: Solid
Analysis Batch: 691242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690690

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	817	803.5		mg/Kg		98	80 - 120

QC Association Summary

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

General Chemistry

Prep Batch: 690690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	3060A	
480-230990-2	TP-7 2-3FT	Total/NA	Solid	3060A	
480-230990-3	SS-2	Total/NA	Solid	3060A	
480-230990-4	TP-8 3-4FT	Total/NA	Solid	3060A	
480-230990-5	SS-3	Total/NA	Solid	3060A	
480-230990-8	SS-4	Total/NA	Solid	3060A	
480-230990-12	SS-5	Total/NA	Solid	3060A	
MB 410-690690/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-690690/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-690690/3-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 691242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	7196A	690690
480-230990-2	TP-7 2-3FT	Total/NA	Solid	7196A	690690
480-230990-3	SS-2	Total/NA	Solid	7196A	690690
480-230990-4	TP-8 3-4FT	Total/NA	Solid	7196A	690690
480-230990-5	SS-3	Total/NA	Solid	7196A	690690
480-230990-8	SS-4	Total/NA	Solid	7196A	690690
480-230990-12	SS-5	Total/NA	Solid	7196A	690690
MB 410-690690/1-A	Method Blank	Total/NA	Solid	7196A	690690
LCS 410-690690/2-A	Lab Control Sample	Total/NA	Solid	7196A	690690
LCSI 410-690690/3-A	Lab Control Sample	Total/NA	Solid	7196A	690690

Analysis Batch: 755529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230990-1	SS-1	Total/NA	Solid	SM 3500 CR D	
480-230990-2	TP-7 2-3FT	Total/NA	Solid	SM 3500 CR D	
480-230990-3	SS-2	Total/NA	Solid	SM 3500 CR D	
480-230990-4	TP-8 3-4FT	Total/NA	Solid	SM 3500 CR D	
480-230990-5	SS-3	Total/NA	Solid	SM 3500 CR D	
480-230990-8	SS-4	Total/NA	Solid	SM 3500 CR D	
480-230990-12	SS-5	Total/NA	Solid	SM 3500 CR D	

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SS-1 — **Lab Sample ID: 480-230990-1**
Date Collected: 07/10/25 08:37 — **Matrix: Solid**
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755529	JJP	EET BUF	08/28/25 10:21

Client Sample ID: SS-1 — **Lab Sample ID: 480-230990-1**
Date Collected: 07/10/25 08:37 — **Matrix: Solid**
Date Received: 07/10/25 16:20 — **Percent Solids: 98.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			690690	W2JF	ELLE	08/26/25 11:03
Total/NA	Analysis	7196A		10	691242	W2JF	ELLE	08/27/25 10:37

Client Sample ID: TP-7 2-3FT — **Lab Sample ID: 480-230990-2**
Date Collected: 07/10/25 09:00 — **Matrix: Solid**
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755529	JJP	EET BUF	08/28/25 10:21

Client Sample ID: TP-7 2-3FT — **Lab Sample ID: 480-230990-2**
Date Collected: 07/10/25 09:00 — **Matrix: Solid**
Date Received: 07/10/25 16:20 — **Percent Solids: 82.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			690690	W2JF	ELLE	08/26/25 11:03
Total/NA	Analysis	7196A		4	691242	W2JF	ELLE	08/27/25 10:37

Client Sample ID: SS-2 — **Lab Sample ID: 480-230990-3**
Date Collected: 07/10/25 10:00 — **Matrix: Solid**
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755529	JJP	EET BUF	08/28/25 10:21

Client Sample ID: SS-2 — **Lab Sample ID: 480-230990-3**
Date Collected: 07/10/25 10:00 — **Matrix: Solid**
Date Received: 07/10/25 16:20 — **Percent Solids: 93.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			690690	W2JF	ELLE	08/26/25 11:03
Total/NA	Analysis	7196A		4	691242	W2JF	ELLE	08/27/25 10:37

Client Sample ID: TP-8 3-4FT — **Lab Sample ID: 480-230990-4**
Date Collected: 07/10/25 10:25 — **Matrix: Solid**
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755529	JJP	EET BUF	08/28/25 10:21

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-8 3-4FT
Lab Sample ID: 480-230990-4
Date Collected: 07/10/25 10:25
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			690690	W2JF	ELLE	08/26/25 11:03
Total/NA	Analysis	7196A		1	691242	W2JF	ELLE	08/27/25 10:37

Client Sample ID: SS-3
Lab Sample ID: 480-230990-5
Date Collected: 07/10/25 11:20
Matrix: Solid
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755529	JJP	EET BUF	08/28/25 10:21

Client Sample ID: SS-3
Lab Sample ID: 480-230990-5
Date Collected: 07/10/25 11:20
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			690690	W2JF	ELLE	08/26/25 11:03
Total/NA	Analysis	7196A		1	691242	W2JF	ELLE	08/27/25 10:37

Client Sample ID: SS-4
Lab Sample ID: 480-230990-8
Date Collected: 07/10/25 12:40
Matrix: Solid
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755529	JJP	EET BUF	08/28/25 10:21

Client Sample ID: SS-4
Lab Sample ID: 480-230990-8
Date Collected: 07/10/25 12:40
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			690690	W2JF	ELLE	08/26/25 11:03
Total/NA	Analysis	7196A		1	691242	W2JF	ELLE	08/27/25 10:37

Client Sample ID: SS-5
Lab Sample ID: 480-230990-12
Date Collected: 07/10/25 14:05
Matrix: Solid
Date Received: 07/10/25 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755529	JJP	EET BUF	08/28/25 10:21

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SS-5
Lab Sample ID: 480-230990-12
Date Collected: 07/10/25 14:05
Matrix: Solid
Date Received: 07/10/25 16:20
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			690690	W2JF	ELLE	08/26/25 11:03
Total/NA	Analysis	7196A		4	691242	W2JF	ELLE	08/27/25 10:37

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 3500 CR D		Solid	Cr (III)

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-26
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-26
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-26
Connecticut	State	PH-0746	06-30-27
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	07-01-26
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-26
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-26
Massachusetts	State	M-PA009	06-30-26
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-26
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-26
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-26
Washington	State	C457	04-11-26
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-26
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Method	Method Description	Protocol	Laboratory
7196A	Chromium, Hexavalent	SW846	ELLE
SM 3500 CR D	Chromium, Trivalent	SM	EET BUF
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	ELLE

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: LaBella Associates DPC
Job ID: 480-230990-2
Project/Site: 9 Lakeview Avenue Site,

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-230990-1	SS-1	Solid	07/10/25 08:37	07/10/25 16:20	New York
480-230990-2	TP-7 2-3FT	Solid	07/10/25 09:00	07/10/25 16:20	New York
480-230990-3	SS-2	Solid	07/10/25 10:00	07/10/25 16:20	New York
480-230990-4	TP-8 3-4FT	Solid	07/10/25 10:25	07/10/25 16:20	New York
480-230990-5	SS-3	Solid	07/10/25 11:20	07/10/25 16:20	New York
480-230990-8	SS-4	Solid	07/10/25 12:40	07/10/25 16:20	New York
480-230990-12	SS-5	Solid	07/10/25 14:05	07/10/25 16:20	New York

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-94534.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 480-230990-2
Address: 2425 New Holland Pike, ,	Due Date Requested: 8/27/2025			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 9 Lakeview Avenue Site,	Project #: 48028950			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060AChromium, Hexavalent	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SS-1 (480-230990-1)	7/10/25	08:37 Eastern	G	Solid			X	1	
TP-7 2-3FT (480-230990-2)	7/10/25	09:00 Eastern	G	Solid			X	1	
SS-2 (480-230990-3)	7/10/25	10:00 Eastern	G	Solid			X	1	
TP-8 3-4FT (480-230990-4)	7/10/25	10:25 Eastern	G	Solid			X	1	
SS-3 (480-230990-5)	7/10/25	11:20 Eastern	G	Solid			X	1	
SS-4 (480-230990-8)	7/10/25	12:40 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	KS	8-19-25 1400				
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: MMB	Date/Time: 8/20/25 0950	Company ELLET

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 21.1-21.1

MMB

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-94535.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 480-230990-2
Address: 2425 New Holland Pike, ,	Due Date Requested: 8/27/2025			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 9 Lakeview Avenue Site,	Project #: 48028950			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060AChromium, Hexavalent	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SS-5 (480-230990-12)	7/10/25	14:05 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
VFD	8-19-25 1600				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 21.1- C1.1

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-230990-2

Login Number: 230990

List Source: Eurofins Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	REFER TO NCM
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	TCORES PUT IN FREEZER 7/11 @ 1300
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	LABELLA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-230990-2

Login Number: 230990
List Number: 4
Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 08/20/25 11:26 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Adam Zebrowski
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 8/28/2025 9:57:41 PM

JOB DESCRIPTION

9 Lakeview Avenue Site,

JOB NUMBER

480-231016-2

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
8/28/2025 9:57:41 PM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-231016-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 7/11/2025 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°C.

General Chemistry
Method 7196A: The following sample was diluted due to the nature of the sample matrix: TP-15 2-3 (480-231016-5). Elevated reporting limits (RLs) are provided.

Method 7196A: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: TP-15 2-3 (480-231016-5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231016-2

Client Sample ID: TP-14 2-4 — Lab Sample ID: 480-231016-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	0.46	J H	0.51	0.17	mg/Kg	1	☼	7196A	Total/NA
Cr (III)	84.1		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

Client Sample ID: TP-12 3-5 — Lab Sample ID: 480-231016-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	50.8		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

Client Sample ID: TP-13 3-5 — Lab Sample ID: 480-231016-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	23.2		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

Client Sample ID: TP-15 2-3 — Lab Sample ID: 480-231016-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	15.5		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

Client Sample ID: Exp-2 2-4 — Lab Sample ID: 480-231016-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	49.2		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-14 2-4
Lab Sample ID: 480-231016-1
Date Collected: 07/11/25 10:30
Matrix: Solid
Date Received: 07/11/25 15:50
Percent Solids: 80.9

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	0.46	J H	0.51	0.17	mg/Kg	☼	08/26/25 12:33	08/27/25 20:59	1
Cr (III) (SM 3500 CR D)	84.1		1.5	0.63	mg/Kg	☼		08/28/25 10:26	1

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-12 3-5
Lab Sample ID: 480-231016-3
Date Collected: 07/11/25 12:30
Matrix: Solid
Date Received: 07/11/25 15:50
Percent Solids: 77.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND	H	0.54	0.18	mg/Kg	☼	08/26/25 12:33	08/27/25 20:59	1
Cr (III) (SM 3500 CR D)	**50.8**		1.5	0.63	mg/Kg	☼		08/28/25 10:26	1

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-13 3-5
Lab Sample ID: 480-231016-4
Date Collected: 07/11/25 13:00
Matrix: Solid
Date Received: 07/11/25 15:50
Percent Solids: 85.5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND	H	0.48	0.16	mg/Kg	☼	08/26/25 12:33	08/27/25 20:59	1
Cr (III) (SM 3500 CR D)	**23.2**		1.5	0.63	mg/Kg	☼		08/28/25 10:26	1

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-15 2-3
Lab Sample ID: 480-231016-5
Date Collected: 07/11/25 12:00
Matrix: Solid
Date Received: 07/11/25 15:50
Percent Solids: 81.9

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND	H	5.2	1.7	mg/Kg	☼	08/27/25 19:32	08/28/25 10:52	10
Cr (III) (SM 3500 CR D)	**15.5**		1.5	0.63	mg/Kg	☼		08/28/25 10:26	1

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: Exp-2 2-4
Lab Sample ID: 480-231016-6
Date Collected: 07/11/25 15:00
Matrix: Solid
Date Received: 07/11/25 15:50
Percent Solids: 86.5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND	H	0.48	0.16	mg/Kg	☼	08/26/25 12:33	08/27/25 20:59	1
Cr (III) (SM 3500 CR D)	**49.2**		1.5	0.63	mg/Kg	☼		08/28/25 10:26	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231016-2

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 410-690791/1-A
Matrix: Solid
Analysis Batch: 691586

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.42	0.14	mg/Kg		08/26/25 12:33	08/27/25 20:59	1

Lab Sample ID: LCS 410-690791/2-A
Matrix: Solid
Analysis Batch: 691586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690791

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	5.00	4.66		mg/Kg		93	80 - 120

Lab Sample ID: LCSI 410-690791/3-A
Matrix: Solid
Analysis Batch: 691586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690791

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	830	739.2		mg/Kg		89	80 - 120

Lab Sample ID: MB 410-691551/1-A
Matrix: Solid
Analysis Batch: 691896

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691551

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.42	0.14	mg/Kg		08/27/25 19:32	08/28/25 10:52	1

Lab Sample ID: LCS 410-691551/2-A
Matrix: Solid
Analysis Batch: 691896

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691551

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	5.00	4.84		mg/Kg		97	80 - 120

Lab Sample ID: LCSI 410-691551/3-A
Matrix: Solid
Analysis Batch: 691896

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691551

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	701	679.2		mg/Kg		97	80 - 120

General Chemistry

Prep Batch: 690791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231016-1	TP-14 2-4	Total/NA	Solid	3060A	
480-231016-3	TP-12 3-5	Total/NA	Solid	3060A	
480-231016-4	TP-13 3-5	Total/NA	Solid	3060A	
480-231016-6	Exp-2 2-4	Total/NA	Solid	3060A	
MB 410-690791/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-690791/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-690791/3-A	Lab Control Sample	Total/NA	Solid	3060A	

Prep Batch: 691551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231016-5	TP-15 2-3	Total/NA	Solid	3060A	
MB 410-691551/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-691551/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-691551/3-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 691586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231016-1	TP-14 2-4	Total/NA	Solid	7196A	690791
480-231016-3	TP-12 3-5	Total/NA	Solid	7196A	690791
480-231016-4	TP-13 3-5	Total/NA	Solid	7196A	690791
480-231016-6	Exp-2 2-4	Total/NA	Solid	7196A	690791
MB 410-690791/1-A	Method Blank	Total/NA	Solid	7196A	690791
LCS 410-690791/2-A	Lab Control Sample	Total/NA	Solid	7196A	690791
LCSI 410-690791/3-A	Lab Control Sample	Total/NA	Solid	7196A	690791

Analysis Batch: 691896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231016-5	TP-15 2-3	Total/NA	Solid	7196A	691551
MB 410-691551/1-A	Method Blank	Total/NA	Solid	7196A	691551
LCS 410-691551/2-A	Lab Control Sample	Total/NA	Solid	7196A	691551
LCSI 410-691551/3-A	Lab Control Sample	Total/NA	Solid	7196A	691551

Analysis Batch: 755530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231016-1	TP-14 2-4	Total/NA	Solid	SM 3500 CR D	
480-231016-3	TP-12 3-5	Total/NA	Solid	SM 3500 CR D	
480-231016-4	TP-13 3-5	Total/NA	Solid	SM 3500 CR D	
480-231016-5	TP-15 2-3	Total/NA	Solid	SM 3500 CR D	
480-231016-6	Exp-2 2-4	Total/NA	Solid	SM 3500 CR D	

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-14 2-4 — **Lab Sample ID: 480-231016-1**
Date Collected: 07/11/25 10:30 — **Matrix: Solid**
Date Received: 07/11/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755530	JJP	EET BUF	08/28/25 10:26

Client Sample ID: TP-14 2-4 — **Lab Sample ID: 480-231016-1**
Date Collected: 07/11/25 10:30 — **Matrix: Solid**
Date Received: 07/11/25 15:50 — **Percent Solids: 80.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			690791	W2JF	ELLE	08/26/25 12:33
Total/NA	Analysis	7196A		1	691586	UDS7	ELLE	08/27/25 20:59

Client Sample ID: TP-12 3-5 — **Lab Sample ID: 480-231016-3**
Date Collected: 07/11/25 12:30 — **Matrix: Solid**
Date Received: 07/11/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755530	JJP	EET BUF	08/28/25 10:26

Client Sample ID: TP-12 3-5 — **Lab Sample ID: 480-231016-3**
Date Collected: 07/11/25 12:30 — **Matrix: Solid**
Date Received: 07/11/25 15:50 — **Percent Solids: 77.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			690791	W2JF	ELLE	08/26/25 12:33
Total/NA	Analysis	7196A		1	691586	UDS7	ELLE	08/27/25 20:59

Client Sample ID: TP-13 3-5 — **Lab Sample ID: 480-231016-4**
Date Collected: 07/11/25 13:00 — **Matrix: Solid**
Date Received: 07/11/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755530	JJP	EET BUF	08/28/25 10:26

Client Sample ID: TP-13 3-5 — **Lab Sample ID: 480-231016-4**
Date Collected: 07/11/25 13:00 — **Matrix: Solid**
Date Received: 07/11/25 15:50 — **Percent Solids: 85.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			690791	W2JF	ELLE	08/26/25 12:33
Total/NA	Analysis	7196A		1	691586	UDS7	ELLE	08/27/25 20:59

Client Sample ID: TP-15 2-3 — **Lab Sample ID: 480-231016-5**
Date Collected: 07/11/25 12:00 — **Matrix: Solid**
Date Received: 07/11/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755530	JJP	EET BUF	08/28/25 10:26

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: TP-15 2-3
Lab Sample ID: 480-231016-5
Date Collected: 07/11/25 12:00
Matrix: Solid
Date Received: 07/11/25 15:50
Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			691551	UDS7	ELLE	08/27/25 19:32
Total/NA	Analysis	7196A		10	691896	W2JF	ELLE	08/28/25 10:52

Client Sample ID: Exp-2 2-4
Lab Sample ID: 480-231016-6
Date Collected: 07/11/25 15:00
Matrix: Solid
Date Received: 07/11/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755530	JJP	EET BUF	08/28/25 10:26

Client Sample ID: Exp-2 2-4
Lab Sample ID: 480-231016-6
Date Collected: 07/11/25 15:00
Matrix: Solid
Date Received: 07/11/25 15:50
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			690791	W2JF	ELLE	08/26/25 12:33
Total/NA	Analysis	7196A		1	691586	UDS7	ELLE	08/27/25 20:59

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 3500 CR D		Solid	Cr (III)

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-26
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-26
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-26
Connecticut	State	PH-0746	06-30-27
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	07-01-26
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-26
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-26
Massachusetts	State	M-PA009	06-30-26
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-26
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-26
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-26
Washington	State	C457	04-11-26
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-26
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231016-2

Method	Method Description	Protocol	Laboratory
7196A	Chromium, Hexavalent	SW846	ELLE
SM 3500 CR D	Chromium, Trivalent	SM	EET BUF
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	ELLE

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: LaBella Associates DPC
Job ID: 480-231016-2
Project/Site: 9 Lakeview Avenue Site,

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-231016-1	TP-14 2-4	Solid	07/11/25 10:30	07/11/25 15:50	New York
480-231016-3	TP-12 3-5	Solid	07/11/25 12:30	07/11/25 15:50	New York
480-231016-4	TP-13 3-5	Solid	07/11/25 13:00	07/11/25 15:50	New York
480-231016-5	TP-15 2-3	Solid	07/11/25 12:00	07/11/25 15:50	New York
480-231016-6	Exp-2 2-4	Solid	07/11/25 15:00	07/11/25 15:50	New York

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-94536.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 480-231016-2
Address: 2425 New Holland Pike, ,	Due Date Requested: 8/27/2025			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 9 Lakeview Avenue Site,	Project #: 48028950			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060ACHromium, Hexavalent	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TP-14 2-4 (480-231016-1)	7/11/25	10:30 Eastern	G	Solid			X	1	
TP-12 3-5 (480-231016-3)	7/11/25	12:30 Eastern	G	Solid			X	1	
TP-13 3-5 (480-231016-4)	7/11/25	13:00 Eastern	G	Solid			X	1	
TP-15 2-3 (480-231016-5)	7/11/25	12:00 Eastern	G	Solid			X	1	
Exp-2 2-4 (480-231016-6)	7/11/25	15:00 Eastern	G	Solid			X	1	

Analysis Requested

Preservation Codes: -

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
KS	8-19-25 1600				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		21.1-C1.1

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-231016-2

Login Number: 231016

List Source: Eurofins Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.7 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZE 7-12-25 10:20
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	LaBella
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-231016-2

Login Number: 231016
List Number: 3
Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 08/20/25 11:26 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Adam Zebrowski
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 9/3/2025 1:52:48 PM

JOB DESCRIPTION

9 Lakeview Avenue Site,

JOB NUMBER

480-231828-2

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-231828-2
Project/Site: 9 Lakeview Avenue Site,

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-231828-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/13/2025 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.5°C and 8.2°C.

Receipt Exceptions
Client requested Hexavalent and Trivalent chromium analysis be added to sample "SB-03 0-2') upon sample login. These analyses are not listed on the COC received.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: LaBella Associates DPC
Job ID: 480-231828-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SB-03 0-2
Lab Sample ID: 480-231828-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (VI)	2.5		0.44	0.15	mg/Kg	1	☼	7196A	Total/NA
Cr (III)	447		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: LaBella Associates DPC
Job ID: 480-231828-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SB-03 0-2
Lab Sample ID: 480-231828-11
Date Collected: 08/13/25 08:15
Matrix: Solid
Date Received: 08/13/25 15:30
Percent Solids: 93.5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	2.5		0.44	0.15	mg/Kg	☼	08/29/25 11:51	09/02/25 19:36	1
Cr (III) (SM 3500 CR D)	447		1.5	0.63	mg/Kg	☼		09/03/25 12:58	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-231828-2

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 410-692503/1-A
Matrix: Solid
Analysis Batch: 693671

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 692503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.42	0.14	mg/Kg		08/29/25 11:51	09/02/25 19:36	1

Lab Sample ID: LCS 410-692503/2-A
Matrix: Solid
Analysis Batch: 693671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 692503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	5.00	4.95		mg/Kg		99	80 - 120

Lab Sample ID: LCSI 410-692503/3-A
Matrix: Solid
Analysis Batch: 693671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 692503

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	804	709.2		mg/Kg		88	80 - 120

QC Association Summary

Client: LaBella Associates DPC
Job ID: 480-231828-2
Project/Site: 9 Lakeview Avenue Site,

General Chemistry

Prep Batch: 692503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-11	SB-03 0-2	Total/NA	Solid	3060A	
MB 410-692503/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-692503/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-692503/3-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 693671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-11	SB-03 0-2	Total/NA	Solid	7196A	692503
MB 410-692503/1-A	Method Blank	Total/NA	Solid	7196A	692503
LCS 410-692503/2-A	Lab Control Sample	Total/NA	Solid	7196A	692503
LCSI 410-692503/3-A	Lab Control Sample	Total/NA	Solid	7196A	692503

Analysis Batch: 755684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-231828-11	SB-03 0-2	Total/NA	Solid	SM 3500 CR D	

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-231828-2
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SB-03 0-2
Lab Sample ID: 480-231828-11
Date Collected: 08/13/25 08:15
Matrix: Solid
Date Received: 08/13/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR D		1	755684	JJP	EET BUF	09/03/25 12:58

Client Sample ID: SB-03 0-2
Lab Sample ID: 480-231828-11
Date Collected: 08/13/25 08:15
Matrix: Solid
Date Received: 08/13/25 15:30
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			692503	W2JF	ELLE	08/29/25 11:51
Total/NA	Analysis	7196A		1	693671	UDS7	ELLE	09/02/25 19:36

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-231828-2
Project/Site: 9 Lakeview Avenue Site,

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 3500 CR D		Solid	Cr (III)

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-26
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-26
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-26
Connecticut	State	PH-0746	06-30-27
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	07-01-26
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-26
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-26
Massachusetts	State	M-PA009	06-30-26
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-26
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-26
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Client: LaBella Associates DPC
Job ID: 480-231828-2
Project/Site: 9 Lakeview Avenue Site,

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-26
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-26
Washington	State	C457	04-11-26
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-26
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: LaBella Associates DPC
Job ID: 480-231828-2
Project/Site: 9 Lakeview Avenue Site,

Method	Method Description	Protocol	Laboratory
7196A	Chromium, Hexavalent	SW846	ELLE
SM 3500 CR D	Chromium, Trivalent	SM	EET BUF
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	ELLE

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: LaBella Associates DPC
Job ID: 480-231828-2
Project/Site: 9 Lakeview Avenue Site,

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-231828-11	SB-03 0-2	Solid	08/13/25 08:15	08/13/25 15:30	New York

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Phone (717) 656-2300

Chain of Custody Record

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Client Information	Sampler: Armand Moskalwk	Lab PM: Beninati John	Carrier Tracking No(s):	COC No:
Client Contact: Armand Moskalwk	Phone: 716-622-1244	E-Mail:	State of Origin: NY	Page:
Company: Labella Associates DPC	PWSID:	Analysis Requested		Job #:
Address: 300 Pearl Street	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Buffalo	TAT Requested (days): Standard			
State, Zip: NY 14202	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 225375			
Email: gmoskalwk@labllapc.com	WO #:			
Project Name: 7 Lakeview Ave	Project #: 2255			
Site:	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOCs, SVOCs, TCL metals, TAL metals, TCL 8270+TICs	VOCs, TCL +cp-5+TICs	SVOCs, TAL metals, TCL 8270+TICs	PFAS	PCBS	Herbicides + Pesticides	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-1 10-12	8/11/25		6	soild			X	X	X	X	X	X		DI vials frozen 8/11 18:00
MW-2 6-8	8/12/25	11:00	6	soild			X	X	X	X	X	X		DI vials frozen 8/12 19:00
MW-2 10-12	8/12/25	11:00	6	soild			X	X	X	X	X	X		DI vials frozen 8/12 19:00
MW-3 4-6	8/12/25	10:10	6	soild			X	X	X	X	X	X		DI vials frozen 8/12 18:00
MW-4 8-10	8/12/25	13:30	6	soild			X	X	X	X	X	X		DI vials frozen 8/12 18:00
MW-4 24-26	8/12/25	13:30	6	soild			X	X	X	X	X	X		DI vials frozen 8/12 18:00
MW 5 4-6	8/13/25	9:40	6	soild			X	X	X	X	X	X		
SB-01 6-8	8/12/25	8:30	6	soild			X	X	X					DI vials frozen 8/12 18:00
SB-02 10-12	8/12/25	12:40	6	soild			X	X	X					DI vials frozen 8/12 18:00
SB-03 2-4	8/13/25	8:15	6	soild			X	X	X					
SB-03 0-2	8/13/25	8:15	6	soild			X	X	X					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples
☐ Return To Client ☐ Disposal By Lab

Deliverable Requested: I, II, III, IV, Other (specify) Will be sent to data validator

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Armand Moskalwk	8/13/25	Labella	[illegible]	8/13/25 1530	EURO

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 2713879

Cooler Temperature(s) °C and Other Remarks: 4.5, 8.2 IR#SC Ice

Ver: 01/16/2019

480-231828 Chain of Custody

9/3/2025

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-94645.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 480-231828-2
Address: 2425 New Holland Pike, ,	Due Date Requested: 9/2/2025			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 9 Lakeview Avenue Site,	Project #: 48028950			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060ACChromium, Hexavalent	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SB-03 0-2 (480-231828-11)	8/13/25	08:15 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: MNB	Date/Time: 8/28/25 0430	Company ELET

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 21.2-21.2

MB

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-231828-2

Login Number: 231828

List Source: Eurofins Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.5,8.2 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZE 8-14-25 14:45
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	LaBella
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-231828-2

Login Number: 231828
List Number: 3
Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 08/28/25 10:24 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Adam Zebrowski
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 9/17/2025 1:32:58 PM

JOB DESCRIPTION

9 Lakeview Avenue Site,

JOB NUMBER

480-232498-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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9/17/2025 1:32:58 PM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

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Definitions/Glossary

Client: LaBella Associates DPC
Job ID: 480-232498-1
Project/Site: 9 Lakeview Avenue Site,

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-232498-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/14/2025 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Air - GC/MS VOA
Method TO15_LL_NY: The following samples were analyzed outside of analytical holding time due to the samples being activated outside of the holding time: SV-1 (480-232498-1), SV-2 (480-232498-2), SV-3 (480-232498-3), SV-4 (480-232498-4), SV-5 (480-232498-5) and OA (480-232498-6). The client was contacted and the results are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232498-1

Client Sample ID: SV-1

Lab Sample ID: 480-232498-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.99	J H	1.5	0.41	ug/m3	1		TO 15 LL	Total/NA
1,2-Dichlorotetrafluoroethane	0.69	J H	1.4	0.34	ug/m3	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	3.1	H	0.93	0.18	ug/m3	1		TO 15 LL	Total/NA
Acetone	24	H	12	3.8	ug/m3	1		TO 15 LL	Total/NA
Benzene	4.4	H	0.64	0.14	ug/m3	1		TO 15 LL	Total/NA
Carbon disulfide	3.6	H	1.6	0.41	ug/m3	1		TO 15 LL	Total/NA
Cyclohexane	0.38	J H	0.69	0.11	ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	2.3	J H	2.5	0.54	ug/m3	1		TO 15 LL	Total/NA
Ethylbenzene	6.5	H	0.87	0.23	ug/m3	1		TO 15 LL	Total/NA
m,p-Xylene	13	H	2.2	0.41	ug/m3	1		TO 15 LL	Total/NA
Methyl Ethyl Ketone (2-Butanone)	5.3	H	1.5	1.5	ug/m3	1		TO 15 LL	Total/NA
Methyl tert-butyl ether	4.9	H	0.72	0.13	ug/m3	1		TO 15 LL	Total/NA
Methylene Chloride	1.1	J H	1.7	0.63	ug/m3	1		TO 15 LL	Total/NA
n-Butane	5.0	H	1.2	0.48	ug/m3	1		TO 15 LL	Total/NA
n-Hexane	4.8	H	1.8	0.39	ug/m3	1		TO 15 LL	Total/NA
o-Xylene	6.2	H	0.87	0.23	ug/m3	1		TO 15 LL	Total/NA
Toluene	5.7	H	0.75	0.16	ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.3	H	1.1	0.28	ug/m3	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.13	J H	0.20	0.053	ppb v/v	1		TO 15 LL	Total/NA
1,2-Dichlorotetrafluoroethane	0.098	J H	0.20	0.048	ppb v/v	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.67	H	0.20	0.038	ppb v/v	1		TO 15 LL	Total/NA
Acetone	10	H	5.0	1.6	ppb v/v	1		TO 15 LL	Total/NA
Benzene	1.4	H	0.20	0.044	ppb v/v	1		TO 15 LL	Total/NA
Carbon disulfide	1.1	H	0.50	0.13	ppb v/v	1		TO 15 LL	Total/NA
Cyclohexane	0.11	J H	0.20	0.032	ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.46	J H	0.50	0.11	ppb v/v	1		TO 15 LL	Total/NA
Ethylbenzene	1.5	H	0.20	0.052	ppb v/v	1		TO 15 LL	Total/NA
m,p-Xylene	3.0	H	0.50	0.095	ppb v/v	1		TO 15 LL	Total/NA
Methyl Ethyl Ketone (2-Butanone)	1.8	H	0.50	0.49	ppb v/v	1		TO 15 LL	Total/NA
Methyl tert-butyl ether	1.4	H	0.20	0.036	ppb v/v	1		TO 15 LL	Total/NA
Methylene Chloride	0.31	J H	0.50	0.18	ppb v/v	1		TO 15 LL	Total/NA
n-Butane	2.1	H	0.50	0.20	ppb v/v	1		TO 15 LL	Total/NA
n-Hexane	1.4	H	0.50	0.11	ppb v/v	1		TO 15 LL	Total/NA
o-Xylene	1.4	H	0.20	0.052	ppb v/v	1		TO 15 LL	Total/NA
Toluene	1.5	H	0.20	0.042	ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.23	H	0.20	0.050	ppb v/v	1		TO 15 LL	Total/NA

Client Sample ID: SV-2

Lab Sample ID: 480-232498-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.90	J H	1.5	0.41	ug/m3	1		TO 15 LL	Total/NA
1,3-Dichlorobenzene	0.62	J H	1.2	0.45	ug/m3	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.76	J H	0.93	0.18	ug/m3	1		TO 15 LL	Total/NA
4-Ethyltoluene	0.63	J H	0.98	0.24	ug/m3	1		TO 15 LL	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	4.1	H	2.1	0.53	ug/m3	1		TO 15 LL	Total/NA
Benzene	1.3	H	0.64	0.14	ug/m3	1		TO 15 LL	Total/NA
Carbon disulfide	3.3	H	1.6	0.41	ug/m3	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.47	H	0.22	0.14	ug/m3	1		TO 15 LL	Total/NA
Chloroethane	2.5	H	1.3	0.48	ug/m3	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: SV-2 (Continued)

Lab Sample ID: 480-232498-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.4	H	0.98	0.20	ug/m3	1		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	0.82	H	0.20	0.083	ug/m3	1		TO 15 LL	Total/NA
Cyclohexane	3.5	H	0.69	0.11	ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	4.3	H	2.5	0.54	ug/m3	1		TO 15 LL	Total/NA
Ethylbenzene	2.3	H	0.87	0.23	ug/m3	1		TO 15 LL	Total/NA
Isopropyl alcohol	11	J H	12	3.9	ug/m3	1		TO 15 LL	Total/NA
m,p-Xylene	7.7	H	2.2	0.41	ug/m3	1		TO 15 LL	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.88	J H	2.1	0.62	ug/m3	1		TO 15 LL	Total/NA
Methyl Ethyl Ketone (2-Butanone)	13	H	1.5	1.5	ug/m3	1		TO 15 LL	Total/NA
Methyl methacrylate	0.74	J H	2.1	0.57	ug/m3	1		TO 15 LL	Total/NA
Methylene Chloride	5.3	H	1.7	0.63	ug/m3	1		TO 15 LL	Total/NA
n-Butane	8.3	H	1.2	0.48	ug/m3	1		TO 15 LL	Total/NA
n-Heptane	1.0	H	0.82	0.23	ug/m3	1		TO 15 LL	Total/NA
n-Hexane	4.7	H	1.8	0.39	ug/m3	1		TO 15 LL	Total/NA
o-Xylene	2.1	H	0.87	0.23	ug/m3	1		TO 15 LL	Total/NA
tert-Butyl alcohol	18	H	15	3.6	ug/m3	1		TO 15 LL	Total/NA
Toluene	20	H	0.75	0.16	ug/m3	1		TO 15 LL	Total/NA
trans-1,2-Dichloroethene	0.32	J H	0.79	0.091	ug/m3	1		TO 15 LL	Total/NA
Trichloroethene	0.72	H	0.20	0.13	ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.6	H	1.1	0.28	ug/m3	1		TO 15 LL	Total/NA
Acetone - DL	110	H	48	15	ug/m3	4		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.12	J H	0.20	0.053	ppb v/v	1		TO 15 LL	Total/NA
1,3-Dichlorobenzene	0.10	J H	0.20	0.074	ppb v/v	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.16	J H	0.20	0.038	ppb v/v	1		TO 15 LL	Total/NA
4-Ethyltoluene	0.13	J H	0.20	0.049	ppb v/v	1		TO 15 LL	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1.0	H	0.50	0.13	ppb v/v	1		TO 15 LL	Total/NA
Benzene	0.40	H	0.20	0.044	ppb v/v	1		TO 15 LL	Total/NA
Carbon disulfide	1.1	H	0.50	0.13	ppb v/v	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.074	H	0.035	0.022	ppb v/v	1		TO 15 LL	Total/NA
Chloroethane	0.96	H	0.50	0.18	ppb v/v	1		TO 15 LL	Total/NA
Chloroform	0.29	H	0.20	0.041	ppb v/v	1		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	0.21	H	0.050	0.021	ppb v/v	1		TO 15 LL	Total/NA
Cyclohexane	1.0	H	0.20	0.032	ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.87	H	0.50	0.11	ppb v/v	1		TO 15 LL	Total/NA
Ethylbenzene	0.53	H	0.20	0.052	ppb v/v	1		TO 15 LL	Total/NA
Isopropyl alcohol	4.4	J H	5.0	1.6	ppb v/v	1		TO 15 LL	Total/NA
m,p-Xylene	1.8	H	0.50	0.095	ppb v/v	1		TO 15 LL	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.21	J H	0.50	0.15	ppb v/v	1		TO 15 LL	Total/NA
Methyl Ethyl Ketone (2-Butanone)	4.3	H	0.50	0.49	ppb v/v	1		TO 15 LL	Total/NA
Methyl methacrylate	0.18	J H	0.50	0.14	ppb v/v	1		TO 15 LL	Total/NA
Methylene Chloride	1.5	H	0.50	0.18	ppb v/v	1		TO 15 LL	Total/NA
n-Butane	3.5	H	0.50	0.20	ppb v/v	1		TO 15 LL	Total/NA
n-Heptane	0.25	H	0.20	0.055	ppb v/v	1		TO 15 LL	Total/NA
n-Hexane	1.3	H	0.50	0.11	ppb v/v	1		TO 15 LL	Total/NA
o-Xylene	0.48	H	0.20	0.052	ppb v/v	1		TO 15 LL	Total/NA
tert-Butyl alcohol	6.0	H	5.0	1.2	ppb v/v	1		TO 15 LL	Total/NA
Toluene	5.4	H	0.20	0.042	ppb v/v	1		TO 15 LL	Total/NA
trans-1,2-Dichloroethene	0.082	J H	0.20	0.023	ppb v/v	1		TO 15 LL	Total/NA
Trichloroethene	0.13	H	0.037	0.025	ppb v/v	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-2 (Continued) — Lab Sample ID: 480-232498-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichlorofluoromethane	0.29	H	0.20	0.050	ppb v/v	1		TO 15 LL	Total/NA
Acetone - DL	46	H	20	6.4	ppb v/v	4		TO 15 LL	Total/NA

Client Sample ID: SV-3 — Lab Sample ID: 480-232498-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.73	J H	1.5	0.41	ug/m3	1		TO 15 LL	Total/NA
1,3-Dichlorobenzene	4.5	H	1.2	0.45	ug/m3	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.48	J H	0.93	0.18	ug/m3	1		TO 15 LL	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.5	H	2.1	0.53	ug/m3	1		TO 15 LL	Total/NA
Benzene	3.1	H	0.64	0.14	ug/m3	1		TO 15 LL	Total/NA
Carbon disulfide	7.3	H	1.6	0.41	ug/m3	1		TO 15 LL	Total/NA
Chlorobenzene	0.45	J H	0.92	0.20	ug/m3	1		TO 15 LL	Total/NA
Chloroform	3.3	H	0.98	0.20	ug/m3	1		TO 15 LL	Total/NA
Chloromethane	0.60	J H	1.0	0.31	ug/m3	1		TO 15 LL	Total/NA
Cyclohexane	0.57	J H	0.69	0.11	ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	2.3	J H	2.5	0.54	ug/m3	1		TO 15 LL	Total/NA
Ethylbenzene	0.42	J H	0.87	0.23	ug/m3	1		TO 15 LL	Total/NA
Isopropyl alcohol	7.2	J H	12	3.9	ug/m3	1		TO 15 LL	Total/NA
m,p-Xylene	1.2	J H	2.2	0.41	ug/m3	1		TO 15 LL	Total/NA
Methyl Butyl Ketone (2-Hexanone)	1.1	J H	2.1	0.62	ug/m3	1		TO 15 LL	Total/NA
Methyl Ethyl Ketone (2-Butanone)	22	H	1.5	1.5	ug/m3	1		TO 15 LL	Total/NA
Methyl tert-butyl ether	0.56	J H	0.72	0.13	ug/m3	1		TO 15 LL	Total/NA
n-Butane	3.6	H	1.2	0.48	ug/m3	1		TO 15 LL	Total/NA
n-Heptane	0.80	J H	0.82	0.23	ug/m3	1		TO 15 LL	Total/NA
o-Xylene	0.46	J H	0.87	0.23	ug/m3	1		TO 15 LL	Total/NA
tert-Butyl alcohol	77	H	15	3.6	ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	1.0	J H	1.4	0.14	ug/m3	1		TO 15 LL	Total/NA
Toluene	2.5	H	0.75	0.16	ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.1	H	1.1	0.28	ug/m3	1		TO 15 LL	Total/NA
Acetone - DL	240	H	120	38	ug/m3	10		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.095	J H	0.20	0.053	ppb v/v	1		TO 15 LL	Total/NA
1,3-Dichlorobenzene	0.75	H	0.20	0.074	ppb v/v	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.10	J H	0.20	0.038	ppb v/v	1		TO 15 LL	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.61	H	0.50	0.13	ppb v/v	1		TO 15 LL	Total/NA
Benzene	0.98	H	0.20	0.044	ppb v/v	1		TO 15 LL	Total/NA
Carbon disulfide	2.3	H	0.50	0.13	ppb v/v	1		TO 15 LL	Total/NA
Chlorobenzene	0.098	J H	0.20	0.044	ppb v/v	1		TO 15 LL	Total/NA
Chloroform	0.68	H	0.20	0.041	ppb v/v	1		TO 15 LL	Total/NA
Chloromethane	0.29	J H	0.50	0.15	ppb v/v	1		TO 15 LL	Total/NA
Cyclohexane	0.17	J H	0.20	0.032	ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.46	J H	0.50	0.11	ppb v/v	1		TO 15 LL	Total/NA
Ethylbenzene	0.096	J H	0.20	0.052	ppb v/v	1		TO 15 LL	Total/NA
Isopropyl alcohol	2.9	J H	5.0	1.6	ppb v/v	1		TO 15 LL	Total/NA
m,p-Xylene	0.27	J H	0.50	0.095	ppb v/v	1		TO 15 LL	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.28	J H	0.50	0.15	ppb v/v	1		TO 15 LL	Total/NA
Methyl Ethyl Ketone (2-Butanone)	7.5	H	0.50	0.49	ppb v/v	1		TO 15 LL	Total/NA
Methyl tert-butyl ether	0.15	J H	0.20	0.036	ppb v/v	1		TO 15 LL	Total/NA
n-Butane	1.5	H	0.50	0.20	ppb v/v	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-3 (Continued)

Lab Sample ID: 480-232498-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Heptane	0.19	J H	0.20	0.055	ppb v/v	1		TO 15 LL	Total/NA
o-Xylene	0.10	J H	0.20	0.052	ppb v/v	1		TO 15 LL	Total/NA
tert-Butyl alcohol	25	H	5.0	1.2	ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	0.15	J H	0.20	0.021	ppb v/v	1		TO 15 LL	Total/NA
Toluene	0.66	H	0.20	0.042	ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.19	H	0.20	0.050	ppb v/v	1		TO 15 LL	Total/NA
Acetone - DL	100	H	50	16	ppb v/v	10		TO 15 LL	Total/NA

Client Sample ID: SV-4

Lab Sample ID: 480-232498-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.96	J H	1.5	0.41	ug/m3	1		TO 15 LL	Total/NA
1,3-Dichlorobenzene	5.0	H	1.2	0.45	ug/m3	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.90	J H	0.93	0.18	ug/m3	1		TO 15 LL	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	3.1	H	2.1	0.53	ug/m3	1		TO 15 LL	Total/NA
Benzene	3.9	H	0.64	0.14	ug/m3	1		TO 15 LL	Total/NA
Carbon disulfide	28	H	1.6	0.41	ug/m3	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.49	H	0.22	0.14	ug/m3	1		TO 15 LL	Total/NA
Chloroform	0.31	J H	0.98	0.20	ug/m3	1		TO 15 LL	Total/NA
Chloromethane	0.91	J H	1.0	0.31	ug/m3	1		TO 15 LL	Total/NA
Cyclohexane	0.51	J H	0.69	0.11	ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	2.6	H	2.5	0.54	ug/m3	1		TO 15 LL	Total/NA
Ethylbenzene	1.8	H	0.87	0.23	ug/m3	1		TO 15 LL	Total/NA
Isopropyl alcohol	9.1	J H	12	3.9	ug/m3	1		TO 15 LL	Total/NA
m,p-Xylene	3.9	H	2.2	0.41	ug/m3	1		TO 15 LL	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.76	J H	2.1	0.62	ug/m3	1		TO 15 LL	Total/NA
Methyl Ethyl Ketone (2-Butanone)	18	H	1.5	1.5	ug/m3	1		TO 15 LL	Total/NA
Methyl tert-butyl ether	1.2	H	0.72	0.13	ug/m3	1		TO 15 LL	Total/NA
Methylene Chloride	0.70	J H	1.7	0.63	ug/m3	1		TO 15 LL	Total/NA
n-Butane	12	H	1.2	0.48	ug/m3	1		TO 15 LL	Total/NA
n-Heptane	1.1	H	0.82	0.23	ug/m3	1		TO 15 LL	Total/NA
n-Hexane	2.7	H	1.8	0.39	ug/m3	1		TO 15 LL	Total/NA
o-Xylene	1.7	H	0.87	0.23	ug/m3	1		TO 15 LL	Total/NA
tert-Butyl alcohol	58	H	15	3.6	ug/m3	1		TO 15 LL	Total/NA
Toluene	3.1	H	0.75	0.16	ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.9	H	1.1	0.28	ug/m3	1		TO 15 LL	Total/NA
Vinyl chloride	0.53	H	0.20	0.054	ug/m3	1		TO 15 LL	Total/NA
Acetone - DL	190	H	120	38	ug/m3	10		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.12	J H	0.20	0.053	ppb v/v	1		TO 15 LL	Total/NA
1,3-Dichlorobenzene	0.84	H	0.20	0.074	ppb v/v	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.19	J H	0.20	0.038	ppb v/v	1		TO 15 LL	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.75	H	0.50	0.13	ppb v/v	1		TO 15 LL	Total/NA
Benzene	1.2	H	0.20	0.044	ppb v/v	1		TO 15 LL	Total/NA
Carbon disulfide	9.1	H	0.50	0.13	ppb v/v	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.078	H	0.035	0.022	ppb v/v	1		TO 15 LL	Total/NA
Chloroform	0.064	J H	0.20	0.041	ppb v/v	1		TO 15 LL	Total/NA
Chloromethane	0.44	J H	0.50	0.15	ppb v/v	1		TO 15 LL	Total/NA
Cyclohexane	0.15	J H	0.20	0.032	ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.52	H	0.50	0.11	ppb v/v	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-4 (Continued)

Lab Sample ID: 480-232498-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.40	H	0.20	0.052	ppb v/v	1		TO 15 LL	Total/NA
Isopropyl alcohol	3.7	J H	5.0	1.6	ppb v/v	1		TO 15 LL	Total/NA
m,p-Xylene	0.90	H	0.50	0.095	ppb v/v	1		TO 15 LL	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.19	J H	0.50	0.15	ppb v/v	1		TO 15 LL	Total/NA
Methyl Ethyl Ketone (2-Butanone)	6.0	H	0.50	0.49	ppb v/v	1		TO 15 LL	Total/NA
Methyl tert-butyl ether	0.34	H	0.20	0.036	ppb v/v	1		TO 15 LL	Total/NA
Methylene Chloride	0.20	J H	0.50	0.18	ppb v/v	1		TO 15 LL	Total/NA
n-Butane	5.0	H	0.50	0.20	ppb v/v	1		TO 15 LL	Total/NA
n-Heptane	0.28	H	0.20	0.055	ppb v/v	1		TO 15 LL	Total/NA
n-Hexane	0.76	H	0.50	0.11	ppb v/v	1		TO 15 LL	Total/NA
o-Xylene	0.39	H	0.20	0.052	ppb v/v	1		TO 15 LL	Total/NA
tert-Butyl alcohol	19	H	5.0	1.2	ppb v/v	1		TO 15 LL	Total/NA
Toluene	0.83	H	0.20	0.042	ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.33	H	0.20	0.050	ppb v/v	1		TO 15 LL	Total/NA
Vinyl chloride	0.21	H	0.078	0.021	ppb v/v	1		TO 15 LL	Total/NA
Acetone - DL	78	H	50	16	ppb v/v	10		TO 15 LL	Total/NA

Client Sample ID: SV-5

Lab Sample ID: 480-232498-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.70	J H	1.5	0.41	ug/m3	1		TO 15 LL	Total/NA
1,3-Dichlorobenzene	30	H	1.2	0.45	ug/m3	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.60	J H	0.93	0.18	ug/m3	1		TO 15 LL	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1.8	J H	2.1	0.53	ug/m3	1		TO 15 LL	Total/NA
Benzene	2.5	H	0.64	0.14	ug/m3	1		TO 15 LL	Total/NA
Carbon disulfide	1.4	J H	1.6	0.41	ug/m3	1		TO 15 LL	Total/NA
Chlorobenzene	0.77	J H	0.92	0.20	ug/m3	1		TO 15 LL	Total/NA
Chloroform	0.46	J H	0.98	0.20	ug/m3	1		TO 15 LL	Total/NA
Cyclohexane	0.77	H	0.69	0.11	ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	2.5	H	2.5	0.54	ug/m3	1		TO 15 LL	Total/NA
Ethylbenzene	0.55	J H	0.87	0.23	ug/m3	1		TO 15 LL	Total/NA
m,p-Xylene	1.8	J H	2.2	0.41	ug/m3	1		TO 15 LL	Total/NA
Methyl Butyl Ketone (2-Hexanone)	2.9	H	2.1	0.62	ug/m3	1		TO 15 LL	Total/NA
Methyl Ethyl Ketone (2-Butanone)	30	H	1.5	1.5	ug/m3	1		TO 15 LL	Total/NA
Methyl tert-butyl ether	0.51	J H	0.72	0.13	ug/m3	1		TO 15 LL	Total/NA
n-Butane	3.4	H	1.2	0.48	ug/m3	1		TO 15 LL	Total/NA
n-Heptane	1.2	H	0.82	0.23	ug/m3	1		TO 15 LL	Total/NA
n-Hexane	1.2	J H	1.8	0.39	ug/m3	1		TO 15 LL	Total/NA
o-Xylene	0.78	J H	0.87	0.23	ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	5.4	H	1.4	0.14	ug/m3	1		TO 15 LL	Total/NA
Toluene	2.3	H	0.75	0.16	ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.3	H	1.1	0.28	ug/m3	1		TO 15 LL	Total/NA
tert-Butyl alcohol - DL	110	H	61	15	ug/m3	4		TO 15 LL	Total/NA
Acetone - DL2	270	H	120	38	ug/m3	10		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.092	J H	0.20	0.053	ppb v/v	1		TO 15 LL	Total/NA
1,3-Dichlorobenzene	4.9	H	0.20	0.074	ppb v/v	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.13	J H	0.20	0.038	ppb v/v	1		TO 15 LL	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.44	J H	0.50	0.13	ppb v/v	1		TO 15 LL	Total/NA
Benzene	0.77	H	0.20	0.044	ppb v/v	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-5 (Continued)

Lab Sample ID: 480-232498-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.47	J H	0.50	0.13	ppb v/v	1		TO 15 LL	Total/NA
Chlorobenzene	0.17	J H	0.20	0.044	ppb v/v	1		TO 15 LL	Total/NA
Chloroform	0.094	J H	0.20	0.041	ppb v/v	1		TO 15 LL	Total/NA
Cyclohexane	0.22	H	0.20	0.032	ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.51	H	0.50	0.11	ppb v/v	1		TO 15 LL	Total/NA
Ethylbenzene	0.13	J H	0.20	0.052	ppb v/v	1		TO 15 LL	Total/NA
m,p-Xylene	0.41	J H	0.50	0.095	ppb v/v	1		TO 15 LL	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.71	H	0.50	0.15	ppb v/v	1		TO 15 LL	Total/NA
Methyl Ethyl Ketone (2-Butanone)	10	H	0.50	0.49	ppb v/v	1		TO 15 LL	Total/NA
Methyl tert-butyl ether	0.14	J H	0.20	0.036	ppb v/v	1		TO 15 LL	Total/NA
n-Butane	1.4	H	0.50	0.20	ppb v/v	1		TO 15 LL	Total/NA
n-Heptane	0.28	H	0.20	0.055	ppb v/v	1		TO 15 LL	Total/NA
n-Hexane	0.33	J H	0.50	0.11	ppb v/v	1		TO 15 LL	Total/NA
o-Xylene	0.18	J H	0.20	0.052	ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	0.79	H	0.20	0.021	ppb v/v	1		TO 15 LL	Total/NA
Toluene	0.62	H	0.20	0.042	ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.24	H	0.20	0.050	ppb v/v	1		TO 15 LL	Total/NA
tert-Butyl alcohol - DL	35	H	20	4.8	ppb v/v	4		TO 15 LL	Total/NA
Acetone - DL2	110	H	50	16	ppb v/v	10		TO 15 LL	Total/NA

Client Sample ID: OA

Lab Sample ID: 480-232498-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	3.6	H	1.6	0.41	ug/m3	1		TO 15 LL	Total/NA
Chloroform	2.8	H	0.98	0.20	ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	2.8	H	2.5	0.54	ug/m3	1		TO 15 LL	Total/NA
Methylene Chloride	2.6	H	1.7	0.63	ug/m3	1		TO 15 LL	Total/NA
n-Butane	5.5	H	1.2	0.48	ug/m3	1		TO 15 LL	Total/NA
tert-Butyl alcohol	6.6	J H	15	3.6	ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	13	H	1.4	0.14	ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.1	H	1.1	0.28	ug/m3	1		TO 15 LL	Total/NA
Acetone - DL	75	H	24	7.6	ug/m3	2		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.2	H	0.50	0.13	ppb v/v	1		TO 15 LL	Total/NA
Chloroform	0.58	H	0.20	0.041	ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.56	H	0.50	0.11	ppb v/v	1		TO 15 LL	Total/NA
Methylene Chloride	0.75	H	0.50	0.18	ppb v/v	1		TO 15 LL	Total/NA
n-Butane	2.3	H	0.50	0.20	ppb v/v	1		TO 15 LL	Total/NA
tert-Butyl alcohol	2.2	J H	5.0	1.2	ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	1.9	H	0.20	0.021	ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.20	H	0.20	0.050	ppb v/v	1		TO 15 LL	Total/NA
Acetone - DL	32	H	10	3.2	ppb v/v	2		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232498-1

Client Sample ID: SV-1
Date Collected: 08/11/25 16:15
Date Received: 08/14/25 09:40
Sample Time: 240 Min

Lab Sample ID: 480-232498-1
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	1.1	0.24	ug/m3			09/15/25 12:43	1
1,1,2,2-Tetrachloroethane	ND	H	1.4	0.30	ug/m3			09/15/25 12:43	1
1,1,2-Trichloroethane	ND	H	1.1	0.40	ug/m3			09/15/25 12:43	1
1,1,2-Trichlorotrifluoroethane	**0.99**	**J H**	1.5	0.41	ug/m3			09/15/25 12:43	1
1,1-Dichloroethane	ND	H	0.81	0.10	ug/m3			09/15/25 12:43	1
1,1-Dichloroethene	ND	H	0.20	0.10	ug/m3			09/15/25 12:43	1
1,2,4-Trichlorobenzene	ND	H	3.7	0.38	ug/m3			09/15/25 12:43	1
1,2,4-Trimethylbenzene	ND	H	0.98	0.39	ug/m3			09/15/25 12:43	1
1,2-Dibromoethane	ND	H	1.5	0.32	ug/m3			09/15/25 12:43	1
1,2-Dichlorobenzene	ND	H	1.2	0.40	ug/m3			09/15/25 12:43	1
1,2-Dichloroethane	ND	H	0.81	0.38	ug/m3			09/15/25 12:43	1
1,2-Dichloropropane	ND	H	0.92	0.43	ug/m3			09/15/25 12:43	1
1,2-Dichlorotetrafluoroethane	**0.69**	**J H**	1.4	0.34	ug/m3			09/15/25 12:43	1
1,3,5-Trimethylbenzene	ND	H	0.98	0.23	ug/m3			09/15/25 12:43	1
1,3-Butadiene	ND	H	0.44	0.086	ug/m3			09/15/25 12:43	1
1,3-Dichlorobenzene	ND	H	1.2	0.45	ug/m3			09/15/25 12:43	1
1,4-Dichlorobenzene	ND	H	1.2	0.54	ug/m3			09/15/25 12:43	1
1,4-Dioxane	ND	H	18	0.17	ug/m3			09/15/25 12:43	1
2,2,4-Trimethylpentane	**3.1**	**H**	0.93	0.18	ug/m3			09/15/25 12:43	1
2-Chlorotoluene	ND	H	1.0	0.24	ug/m3			09/15/25 12:43	1
3-Chloropropene	ND	H	1.6	0.38	ug/m3			09/15/25 12:43	1
4-Ethyltoluene	ND	H	0.98	0.24	ug/m3			09/15/25 12:43	1
4-Isopropyltoluene	ND	H	1.1	0.34	ug/m3			09/15/25 12:43	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	ND	H	2.1	0.53	ug/m3			09/15/25 12:43	1
Acetone	**24**	**H**	12	3.8	ug/m3			09/15/25 12:43	1
Benzene	**4.4**	**H**	0.64	0.14	ug/m3			09/15/25 12:43	1
Benzyl chloride	ND	H	1.0	0.46	ug/m3			09/15/25 12:43	1
Bromodichloromethane	ND	H	1.3	0.34	ug/m3			09/15/25 12:43	1
Bromoethene(Vinyl Bromide)	ND	H	0.88	0.22	ug/m3			09/15/25 12:43	1
Bromoform	ND	H	2.1	1.2	ug/m3			09/15/25 12:43	1
Bromomethane	ND	H	0.78	0.28	ug/m3			09/15/25 12:43	1
Carbon disulfide	**3.6**	**H**	1.6	0.41	ug/m3			09/15/25 12:43	1
Carbon tetrachloride	ND	H	0.22	0.14	ug/m3			09/15/25 12:43	1
Chlorobenzene	ND	H	0.92	0.20	ug/m3			09/15/25 12:43	1
Chlorodifluoromethane	ND	H	1.8	0.42	ug/m3			09/15/25 12:43	1
Chloroethane	ND	H	1.3	0.48	ug/m3			09/15/25 12:43	1
Chloroform	ND	H	0.98	0.20	ug/m3			09/15/25 12:43	1
Chloromethane	ND	H	1.0	0.31	ug/m3			09/15/25 12:43	1
cis-1,2-Dichloroethene	ND	H	0.20	0.083	ug/m3			09/15/25 12:43	1
cis-1,3-Dichloropropene	ND	H	0.91	0.20	ug/m3			09/15/25 12:43	1
Cumene	ND	H	0.98	0.20	ug/m3			09/15/25 12:43	1
Cyclohexane	**0.38**	**J H**	0.69	0.11	ug/m3			09/15/25 12:43	1
Dibromochloromethane	ND	H	1.7	0.13	ug/m3			09/15/25 12:43	1
Dichlorodifluoromethane	**2.3**	**J H**	2.5	0.54	ug/m3			09/15/25 12:43	1
Ethylbenzene	**6.5**	**H**	0.87	0.23	ug/m3			09/15/25 12:43	1
Hexachlorobutadiene	ND	H	2.1	1.2	ug/m3			09/15/25 12:43	1
Isopropyl alcohol	ND	H	12	3.9	ug/m3			09/15/25 12:43	1
m,p-Xylene	**13**	**H**	2.2	0.41	ug/m3			09/15/25 12:43	1

Client Sample ID: SV-1
Date Collected: 08/11/25 16:15
Date Received: 08/14/25 09:40
Sample Time: 240 Min

Lab Sample ID: 480-232498-1
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	ND	H	2.1	0.62	ug/m3			09/15/25 12:43	1
Methyl Ethyl Ketone (2-Butanone)	**5.3**	**H**	1.5	1.5	ug/m3			09/15/25 12:43	1
Methyl methacrylate	ND	H	2.1	0.57	ug/m3			09/15/25 12:43	1
Methyl tert-butyl ether	**4.9**	**H**	0.72	0.13	ug/m3			09/15/25 12:43	1
Methylene Chloride	**1.1**	**J H**	1.7	0.63	ug/m3			09/15/25 12:43	1
Naphthalene	ND	H	2.0	1.6	ug/m3			09/15/25 12:43	1
n-Butane	**5.0**	**H**	1.2	0.48	ug/m3			09/15/25 12:43	1
n-Butylbenzene	ND	H	1.1	0.60	ug/m3			09/15/25 12:43	1
n-Heptane	ND	H	0.82	0.23	ug/m3			09/15/25 12:43	1
n-Hexane	**4.8**	**H**	1.8	0.39	ug/m3			09/15/25 12:43	1
N-Propylbenzene	ND	H	0.98	0.23	ug/m3			09/15/25 12:43	1
o-Xylene	**6.2**	**H**	0.87	0.23	ug/m3			09/15/25 12:43	1
sec-Butylbenzene	ND	H	1.1	0.25	ug/m3			09/15/25 12:43	1
Styrene	ND	H	0.85	0.25	ug/m3			09/15/25 12:43	1
tert-Butyl alcohol	ND	H	15	3.6	ug/m3			09/15/25 12:43	1
tert-Butylbenzene	ND	H	1.1	0.26	ug/m3			09/15/25 12:43	1
Tetrachloroethene	ND	H	1.4	0.14	ug/m3			09/15/25 12:43	1
Tetrahydrofuran	ND	H	15	3.8	ug/m3			09/15/25 12:43	1
Toluene	**5.7**	**H**	0.75	0.16	ug/m3			09/15/25 12:43	1
trans-1,2-Dichloroethene	ND	H	0.79	0.091	ug/m3			09/15/25 12:43	1
trans-1,3-Dichloropropene	ND	H	0.91	0.25	ug/m3			09/15/25 12:43	1
Trichloroethene	ND	H	0.20	0.13	ug/m3			09/15/25 12:43	1
Trichlorofluoromethane	**1.3**	**H**	1.1	0.28	ug/m3			09/15/25 12:43	1
Vinyl chloride	ND	H	0.20	0.054	ug/m3			09/15/25 12:43	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	0.20	0.044	ppb v/v			09/15/25 12:43	1
1,1,2,2-Tetrachloroethane	ND	H	0.20	0.043	ppb v/v			09/15/25 12:43	1
1,1,2-Trichloroethane	ND	H	0.20	0.074	ppb v/v			09/15/25 12:43	1
1,1,2-Trichlorotrifluoroethane	**0.13**	**J H**	0.20	0.053	ppb v/v			09/15/25 12:43	1
1,1-Dichloroethane	ND	H	0.20	0.025	ppb v/v			09/15/25 12:43	1
1,1-Dichloroethene	ND	H	0.050	0.026	ppb v/v			09/15/25 12:43	1
1,2,4-Trichlorobenzene	ND	H	0.50	0.051	ppb v/v			09/15/25 12:43	1
1,2,4-Trimethylbenzene	ND	H	0.20	0.080	ppb v/v			09/15/25 12:43	1
1,2-Dibromoethane	ND	H	0.20	0.042	ppb v/v			09/15/25 12:43	1
1,2-Dichlorobenzene	ND	H	0.20	0.066	ppb v/v			09/15/25 12:43	1
1,2-Dichloroethane	ND	H	0.20	0.093	ppb v/v			09/15/25 12:43	1
1,2-Dichloropropane	ND	H	0.20	0.094	ppb v/v			09/15/25 12:43	1
1,2-Dichlorotetrafluoroethane	**0.098**	**J H**	0.20	0.048	ppb v/v			09/15/25 12:43	1
1,3,5-Trimethylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 12:43	1
1,3-Butadiene	ND	H	0.20	0.039	ppb v/v			09/15/25 12:43	1
1,3-Dichlorobenzene	ND	H	0.20	0.074	ppb v/v			09/15/25 12:43	1
1,4-Dichlorobenzene	ND	H	0.20	0.089	ppb v/v			09/15/25 12:43	1
1,4-Dioxane	ND	H	5.0	0.047	ppb v/v			09/15/25 12:43	1
2,2,4-Trimethylpentane	**0.67**	**H**	0.20	0.038	ppb v/v			09/15/25 12:43	1
2-Chlorotoluene	ND	H	0.20	0.046	ppb v/v			09/15/25 12:43	1
3-Chloropropene	ND	H	0.50	0.12	ppb v/v			09/15/25 12:43	1
4-Ethyltoluene	ND	H	0.20	0.049	ppb v/v			09/15/25 12:43	1
4-Isopropyltoluene	ND	H	0.20	0.061	ppb v/v			09/15/25 12:43	1

Client Sample ID: SV-1
Date Collected: 08/11/25 16:15
Date Received: 08/14/25 09:40
Sample Time: 240 Min

Lab Sample ID: 480-232498-1
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	ND	H	0.50	0.13	ppb v/v			09/15/25 12:43	1
Acetone	**10**	**H**	5.0	1.6	ppb v/v			09/15/25 12:43	1
Benzene	**1.4**	**H**	0.20	0.044	ppb v/v			09/15/25 12:43	1
Benzyl chloride	ND	H	0.20	0.088	ppb v/v			09/15/25 12:43	1
Bromodichloromethane	ND	H	0.20	0.050	ppb v/v			09/15/25 12:43	1
Bromoethene(Vinyl Bromide)	ND	H	0.20	0.050	ppb v/v			09/15/25 12:43	1
Bromoform	ND	H	0.20	0.12	ppb v/v			09/15/25 12:43	1
Bromomethane	ND	H	0.20	0.071	ppb v/v			09/15/25 12:43	1
Carbon disulfide	**1.1**	**H**	0.50	0.13	ppb v/v			09/15/25 12:43	1
Carbon tetrachloride	ND	H	0.035	0.022	ppb v/v			09/15/25 12:43	1
Chlorobenzene	ND	H	0.20	0.044	ppb v/v			09/15/25 12:43	1
Chlorodifluoromethane	ND	H	0.50	0.12	ppb v/v			09/15/25 12:43	1
Chloroethane	ND	H	0.50	0.18	ppb v/v			09/15/25 12:43	1
Chloroform	ND	H	0.20	0.041	ppb v/v			09/15/25 12:43	1
Chloromethane	ND	H	0.50	0.15	ppb v/v			09/15/25 12:43	1
cis-1,2-Dichloroethene	ND	H	0.050	0.021	ppb v/v			09/15/25 12:43	1
cis-1,3-Dichloropropene	ND	H	0.20	0.045	ppb v/v			09/15/25 12:43	1
Cumene	ND	H	0.20	0.041	ppb v/v			09/15/25 12:43	1
Cyclohexane	**0.11**	**J H**	0.20	0.032	ppb v/v			09/15/25 12:43	1
Dibromochloromethane	ND	H	0.20	0.015	ppb v/v			09/15/25 12:43	1
Dichlorodifluoromethane	**0.46**	**J H**	0.50	0.11	ppb v/v			09/15/25 12:43	1
Ethylbenzene	**1.5**	**H**	0.20	0.052	ppb v/v			09/15/25 12:43	1
Hexachlorobutadiene	ND	H	0.20	0.11	ppb v/v			09/15/25 12:43	1
Isopropyl alcohol	ND	H	5.0	1.6	ppb v/v			09/15/25 12:43	1
m,p-Xylene	**3.0**	**H**	0.50	0.095	ppb v/v			09/15/25 12:43	1
Methyl Butyl Ketone (2-Hexanone)	ND	H	0.50	0.15	ppb v/v			09/15/25 12:43	1
Methyl Ethyl Ketone (2-Butanone)	**1.8**	**H**	0.50	0.49	ppb v/v			09/15/25 12:43	1
Methyl methacrylate	ND	H	0.50	0.14	ppb v/v			09/15/25 12:43	1
Methyl tert-butyl ether	**1.4**	**H**	0.20	0.036	ppb v/v			09/15/25 12:43	1
Methylene Chloride	**0.31**	**J H**	0.50	0.18	ppb v/v			09/15/25 12:43	1
Naphthalene	ND	H	0.38	0.30	ppb v/v			09/15/25 12:43	1
n-Butane	**2.1**	**H**	0.50	0.20	ppb v/v			09/15/25 12:43	1
n-Butylbenzene	ND	H	0.20	0.11	ppb v/v			09/15/25 12:43	1
n-Heptane	ND	H	0.20	0.055	ppb v/v			09/15/25 12:43	1
n-Hexane	**1.4**	**H**	0.50	0.11	ppb v/v			09/15/25 12:43	1
N-Propylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 12:43	1
o-Xylene	**1.4**	**H**	0.20	0.052	ppb v/v			09/15/25 12:43	1
sec-Butylbenzene	ND	H	0.20	0.045	ppb v/v			09/15/25 12:43	1
Styrene	ND	H	0.20	0.059	ppb v/v			09/15/25 12:43	1
tert-Butyl alcohol	ND	H	5.0	1.2	ppb v/v			09/15/25 12:43	1
tert-Butylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 12:43	1
Tetrachloroethene	ND	H	0.20	0.021	ppb v/v			09/15/25 12:43	1
Tetrahydrofuran	ND	H	5.0	1.3	ppb v/v			09/15/25 12:43	1
Toluene	**1.5**	**H**	0.20	0.042	ppb v/v			09/15/25 12:43	1
trans-1,2-Dichloroethene	ND	H	0.20	0.023	ppb v/v			09/15/25 12:43	1
trans-1,3-Dichloropropene	ND	H	0.20	0.054	ppb v/v			09/15/25 12:43	1
Trichloroethene	ND	H	0.037	0.025	ppb v/v			09/15/25 12:43	1
Trichlorofluoromethane	**0.23**	**H**	0.20	0.050	ppb v/v			09/15/25 12:43	1

Client: LaBella Associates DPC
Job ID: 480-232498-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SV-1
Lab Sample ID: 480-232498-1
Date Collected: 08/11/25 16:15
Matrix: Air
Date Received: 08/14/25 09:40
Sample Time: 240 Min
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND	H	0.078	0.021	ppb v/v			09/15/25 12:43	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232498-1

Client Sample ID: SV-2
Date Collected: 08/11/25 16:20
Date Received: 08/14/25 09:40
Sample Time: 240 Min

Lab Sample ID: 480-232498-2
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	1.1	0.24	ug/m3			09/15/25 13:11	1
1,1,2,2-Tetrachloroethane	ND	H	1.4	0.30	ug/m3			09/15/25 13:11	1
1,1,2-Trichloroethane	ND	H	1.1	0.40	ug/m3			09/15/25 13:11	1
1,1,2-Trichlorotrifluoroethane	**0.90**	**J H**	1.5	0.41	ug/m3			09/15/25 13:11	1
1,1-Dichloroethane	ND	H	0.81	0.10	ug/m3			09/15/25 13:11	1
1,1-Dichloroethene	ND	H	0.20	0.10	ug/m3			09/15/25 13:11	1
1,2,4-Trichlorobenzene	ND	H	3.7	0.38	ug/m3			09/15/25 13:11	1
1,2,4-Trimethylbenzene	ND	H	0.98	0.39	ug/m3			09/15/25 13:11	1
1,2-Dibromoethane	ND	H	1.5	0.32	ug/m3			09/15/25 13:11	1
1,2-Dichlorobenzene	ND	H	1.2	0.40	ug/m3			09/15/25 13:11	1
1,2-Dichloroethane	ND	H	0.81	0.38	ug/m3			09/15/25 13:11	1
1,2-Dichloropropane	ND	H	0.92	0.43	ug/m3			09/15/25 13:11	1
1,2-Dichlorotetrafluoroethane	ND	H	1.4	0.34	ug/m3			09/15/25 13:11	1
1,3,5-Trimethylbenzene	ND	H	0.98	0.23	ug/m3			09/15/25 13:11	1
1,3-Butadiene	ND	H	0.44	0.086	ug/m3			09/15/25 13:11	1
1,3-Dichlorobenzene	**0.62**	**J H**	1.2	0.45	ug/m3			09/15/25 13:11	1
1,4-Dichlorobenzene	ND	H	1.2	0.54	ug/m3			09/15/25 13:11	1
1,4-Dioxane	ND	H	18	0.17	ug/m3			09/15/25 13:11	1
2,2,4-Trimethylpentane	**0.76**	**J H**	0.93	0.18	ug/m3			09/15/25 13:11	1
2-Chlorotoluene	ND	H	1.0	0.24	ug/m3			09/15/25 13:11	1
3-Chloropropene	ND	H	1.6	0.38	ug/m3			09/15/25 13:11	1
4-Ethyltoluene	**0.63**	**J H**	0.98	0.24	ug/m3			09/15/25 13:11	1
4-Isopropyltoluene	ND	H	1.1	0.34	ug/m3			09/15/25 13:11	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**4.1**	**H**	2.1	0.53	ug/m3			09/15/25 13:11	1
Benzene	**1.3**	**H**	0.64	0.14	ug/m3			09/15/25 13:11	1
Benzyl chloride	ND	H	1.0	0.46	ug/m3			09/15/25 13:11	1
Bromodichloromethane	ND	H	1.3	0.34	ug/m3			09/15/25 13:11	1
Bromoethene(Vinyl Bromide)	ND	H	0.88	0.22	ug/m3			09/15/25 13:11	1
Bromoform	ND	H	2.1	1.2	ug/m3			09/15/25 13:11	1
Bromomethane	ND	H	0.78	0.28	ug/m3			09/15/25 13:11	1
Carbon disulfide	**3.3**	**H**	1.6	0.41	ug/m3			09/15/25 13:11	1
Carbon tetrachloride	**0.47**	**H**	0.22	0.14	ug/m3			09/15/25 13:11	1
Chlorobenzene	ND	H	0.92	0.20	ug/m3			09/15/25 13:11	1
Chlorodifluoromethane	ND	H	1.8	0.42	ug/m3			09/15/25 13:11	1
Chloroethane	**2.5**	**H**	1.3	0.48	ug/m3			09/15/25 13:11	1
Chloroform	**1.4**	**H**	0.98	0.20	ug/m3			09/15/25 13:11	1
Chloromethane	ND	H	1.0	0.31	ug/m3			09/15/25 13:11	1
cis-1,2-Dichloroethene	**0.82**	**H**	0.20	0.083	ug/m3			09/15/25 13:11	1
cis-1,3-Dichloropropene	ND	H	0.91	0.20	ug/m3			09/15/25 13:11	1
Cumene	ND	H	0.98	0.20	ug/m3			09/15/25 13:11	1
Cyclohexane	**3.5**	**H**	0.69	0.11	ug/m3			09/15/25 13:11	1
Dibromochloromethane	ND	H	1.7	0.13	ug/m3			09/15/25 13:11	1
Dichlorodifluoromethane	**4.3**	**H**	2.5	0.54	ug/m3			09/15/25 13:11	1
Ethylbenzene	**2.3**	**H**	0.87	0.23	ug/m3			09/15/25 13:11	1
Hexachlorobutadiene	ND	H	2.1	1.2	ug/m3			09/15/25 13:11	1
Isopropyl alcohol	**11**	**J H**	12	3.9	ug/m3			09/15/25 13:11	1
m,p-Xylene	**7.7**	**H**	2.2	0.41	ug/m3			09/15/25 13:11	1
Methyl Butyl Ketone (2-Hexanone)	**0.88**	**J H**	2.1	0.62	ug/m3			09/15/25 13:11	1

Client Sample ID: SV-2

Date Collected: 08/11/25 16:20
Date Received: 08/14/25 09:40
Sample Time: 240 Min

Lab Sample ID: 480-232498-2

Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	**13**	**H**	1.5	1.5	ug/m3			09/15/25 13:11	1
Methyl methacrylate	**0.74**	**J H**	2.1	0.57	ug/m3			09/15/25 13:11	1
Methyl tert-butyl ether	ND	H	0.72	0.13	ug/m3			09/15/25 13:11	1
Methylene Chloride	**5.3**	**H**	1.7	0.63	ug/m3			09/15/25 13:11	1
Naphthalene	ND	H	2.0	1.6	ug/m3			09/15/25 13:11	1
n-Butane	**8.3**	**H**	1.2	0.48	ug/m3			09/15/25 13:11	1
n-Butylbenzene	ND	H	1.1	0.60	ug/m3			09/15/25 13:11	1
n-Heptane	**1.0**	**H**	0.82	0.23	ug/m3			09/15/25 13:11	1
n-Hexane	**4.7**	**H**	1.8	0.39	ug/m3			09/15/25 13:11	1
N-Propylbenzene	ND	H	0.98	0.23	ug/m3			09/15/25 13:11	1
o-Xylene	**2.1**	**H**	0.87	0.23	ug/m3			09/15/25 13:11	1
sec-Butylbenzene	ND	H	1.1	0.25	ug/m3			09/15/25 13:11	1
Styrene	ND	H	0.85	0.25	ug/m3			09/15/25 13:11	1
tert-Butyl alcohol	**18**	**H**	15	3.6	ug/m3			09/15/25 13:11	1
tert-Butylbenzene	ND	H	1.1	0.26	ug/m3			09/15/25 13:11	1
Tetrachloroethene	ND	H	1.4	0.14	ug/m3			09/15/25 13:11	1
Tetrahydrofuran	ND	H	15	3.8	ug/m3			09/15/25 13:11	1
Toluene	**20**	**H**	0.75	0.16	ug/m3			09/15/25 13:11	1
trans-1,2-Dichloroethene	**0.32**	**J H**	0.79	0.091	ug/m3			09/15/25 13:11	1
trans-1,3-Dichloropropene	ND	H	0.91	0.25	ug/m3			09/15/25 13:11	1
Trichloroethene	**0.72**	**H**	0.20	0.13	ug/m3			09/15/25 13:11	1
Trichlorofluoromethane	**1.6**	**H**	1.1	0.28	ug/m3			09/15/25 13:11	1
Vinyl chloride	ND	H	0.20	0.054	ug/m3			09/15/25 13:11	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	0.20	0.044	ppb v/v			09/15/25 13:11	1
1,1,2,2-Tetrachloroethane	ND	H	0.20	0.043	ppb v/v			09/15/25 13:11	1
1,1,2-Trichloroethane	ND	H	0.20	0.074	ppb v/v			09/15/25 13:11	1
1,1,2-Trichlorotrifluoroethane	**0.12**	**J H**	0.20	0.053	ppb v/v			09/15/25 13:11	1
1,1-Dichloroethane	ND	H	0.20	0.025	ppb v/v			09/15/25 13:11	1
1,1-Dichloroethene	ND	H	0.050	0.026	ppb v/v			09/15/25 13:11	1
1,2,4-Trichlorobenzene	ND	H	0.50	0.051	ppb v/v			09/15/25 13:11	1
1,2,4-Trimethylbenzene	ND	H	0.20	0.080	ppb v/v			09/15/25 13:11	1
1,2-Dibromoethane	ND	H	0.20	0.042	ppb v/v			09/15/25 13:11	1
1,2-Dichlorobenzene	ND	H	0.20	0.066	ppb v/v			09/15/25 13:11	1
1,2-Dichloroethane	ND	H	0.20	0.093	ppb v/v			09/15/25 13:11	1
1,2-Dichloropropane	ND	H	0.20	0.094	ppb v/v			09/15/25 13:11	1
1,2-Dichlorotetrafluoroethane	ND	H	0.20	0.048	ppb v/v			09/15/25 13:11	1
1,3,5-Trimethylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 13:11	1
1,3-Butadiene	ND	H	0.20	0.039	ppb v/v			09/15/25 13:11	1
1,3-Dichlorobenzene	**0.10**	**J H**	0.20	0.074	ppb v/v			09/15/25 13:11	1
1,4-Dichlorobenzene	ND	H	0.20	0.089	ppb v/v			09/15/25 13:11	1
1,4-Dioxane	ND	H	5.0	0.047	ppb v/v			09/15/25 13:11	1
2,2,4-Trimethylpentane	**0.16**	**J H**	0.20	0.038	ppb v/v			09/15/25 13:11	1
2-Chlorotoluene	ND	H	0.20	0.046	ppb v/v			09/15/25 13:11	1
3-Chloropropene	ND	H	0.50	0.12	ppb v/v			09/15/25 13:11	1
4-Ethyltoluene	**0.13**	**J H**	0.20	0.049	ppb v/v			09/15/25 13:11	1
4-Isopropyltoluene	ND	H	0.20	0.061	ppb v/v			09/15/25 13:11	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232498-1

Client Sample ID: SV-2
Date Collected: 08/11/25 16:20
Date Received: 08/14/25 09:40
Sample Time: 240 Min

Lab Sample ID: 480-232498-2
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1.0	H	0.50	0.13	ppb v/v			09/15/25 13:11	1
Benzene	0.40	H	0.20	0.044	ppb v/v			09/15/25 13:11	1
Benzyl chloride	ND	H	0.20	0.088	ppb v/v			09/15/25 13:11	1
Bromodichloromethane	ND	H	0.20	0.050	ppb v/v			09/15/25 13:11	1
Bromoethene(Vinyl Bromide)	ND	H	0.20	0.050	ppb v/v			09/15/25 13:11	1
Bromoform	ND	H	0.20	0.12	ppb v/v			09/15/25 13:11	1
Bromomethane	ND	H	0.20	0.071	ppb v/v			09/15/25 13:11	1
Carbon disulfide	1.1	H	0.50	0.13	ppb v/v			09/15/25 13:11	1
Carbon tetrachloride	0.074	H	0.035	0.022	ppb v/v			09/15/25 13:11	1
Chlorobenzene	ND	H	0.20	0.044	ppb v/v			09/15/25 13:11	1
Chlorodifluoromethane	ND	H	0.50	0.12	ppb v/v			09/15/25 13:11	1
Chloroethane	0.96	H	0.50	0.18	ppb v/v			09/15/25 13:11	1
Chloroform	0.29	H	0.20	0.041	ppb v/v			09/15/25 13:11	1
Chloromethane	ND	H	0.50	0.15	ppb v/v			09/15/25 13:11	1
cis-1,2-Dichloroethene	0.21	H	0.050	0.021	ppb v/v			09/15/25 13:11	1
cis-1,3-Dichloropropene	ND	H	0.20	0.045	ppb v/v			09/15/25 13:11	1
Cumene	ND	H	0.20	0.041	ppb v/v			09/15/25 13:11	1
Cyclohexane	1.0	H	0.20	0.032	ppb v/v			09/15/25 13:11	1
Dibromochloromethane	ND	H	0.20	0.015	ppb v/v			09/15/25 13:11	1
Dichlorodifluoromethane	0.87	H	0.50	0.11	ppb v/v			09/15/25 13:11	1
Ethylbenzene	0.53	H	0.20	0.052	ppb v/v			09/15/25 13:11	1
Hexachlorobutadiene	ND	H	0.20	0.11	ppb v/v			09/15/25 13:11	1
Isopropyl alcohol	4.4	J H	5.0	1.6	ppb v/v			09/15/25 13:11	1
m,p-Xylene	1.8	H	0.50	0.095	ppb v/v			09/15/25 13:11	1
Methyl Butyl Ketone (2-Hexanone)	0.21	J H	0.50	0.15	ppb v/v			09/15/25 13:11	1
Methyl Ethyl Ketone (2-Butanone)	4.3	H	0.50	0.49	ppb v/v			09/15/25 13:11	1
Methyl methacrylate	0.18	J H	0.50	0.14	ppb v/v			09/15/25 13:11	1
Methyl tert-butyl ether	ND	H	0.20	0.036	ppb v/v			09/15/25 13:11	1
Methylene Chloride	1.5	H	0.50	0.18	ppb v/v			09/15/25 13:11	1
Naphthalene	ND	H	0.38	0.30	ppb v/v			09/15/25 13:11	1
n-Butane	3.5	H	0.50	0.20	ppb v/v			09/15/25 13:11	1
n-Butylbenzene	ND	H	0.20	0.11	ppb v/v			09/15/25 13:11	1
n-Heptane	0.25	H	0.20	0.055	ppb v/v			09/15/25 13:11	1
n-Hexane	1.3	H	0.50	0.11	ppb v/v			09/15/25 13:11	1
N-Propylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 13:11	1
o-Xylene	0.48	H	0.20	0.052	ppb v/v			09/15/25 13:11	1
sec-Butylbenzene	ND	H	0.20	0.045	ppb v/v			09/15/25 13:11	1
Styrene	ND	H	0.20	0.059	ppb v/v			09/15/25 13:11	1
tert-Butyl alcohol	6.0	H	5.0	1.2	ppb v/v			09/15/25 13:11	1
tert-Butylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 13:11	1
Tetrachloroethene	ND	H	0.20	0.021	ppb v/v			09/15/25 13:11	1
Tetrahydrofuran	ND	H	5.0	1.3	ppb v/v			09/15/25 13:11	1
Toluene	5.4	H	0.20	0.042	ppb v/v			09/15/25 13:11	1
trans-1,2-Dichloroethene	0.082	J H	0.20	0.023	ppb v/v			09/15/25 13:11	1
trans-1,3-Dichloropropene	ND	H	0.20	0.054	ppb v/v			09/15/25 13:11	1
Trichloroethene	0.13	H	0.037	0.025	ppb v/v			09/15/25 13:11	1
Trichlorofluoromethane	0.29	H	0.20	0.050	ppb v/v			09/15/25 13:11	1
Vinyl chloride	ND	H	0.078	0.021	ppb v/v			09/15/25 13:11	1

Client Sample Results

Client: LaBella Associates DPC
Job ID: 480-232498-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SV-2
Lab Sample ID: 480-232498-2
Date Collected: 08/11/25 16:20
Matrix: Air
Date Received: 08/14/25 09:40
Sample Time: 240 Min
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	110	H	48	15	ug/m3			09/15/25 19:02	4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	46	H	20	6.4	ppb v/v			09/15/25 19:02	4

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232498-1

Client Sample ID: SV-3
Date Collected: 08/11/25 17:35
Date Received: 08/14/25 09:40
Sample Time: 300 Min

Lab Sample ID: 480-232498-3
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	1.1	0.24	ug/m3			09/15/25 13:39	1
1,1,2,2-Tetrachloroethane	ND	H	1.4	0.30	ug/m3			09/15/25 13:39	1
1,1,2-Trichloroethane	ND	H	1.1	0.40	ug/m3			09/15/25 13:39	1
1,1,2-Trichlorotrifluoroethane	**0.73**	**J H**	1.5	0.41	ug/m3			09/15/25 13:39	1
1,1-Dichloroethane	ND	H	0.81	0.10	ug/m3			09/15/25 13:39	1
1,1-Dichloroethene	ND	H	0.20	0.10	ug/m3			09/15/25 13:39	1
1,2,4-Trichlorobenzene	ND	H	3.7	0.38	ug/m3			09/15/25 13:39	1
1,2,4-Trimethylbenzene	ND	H	0.98	0.39	ug/m3			09/15/25 13:39	1
1,2-Dibromoethane	ND	H	1.5	0.32	ug/m3			09/15/25 13:39	1
1,2-Dichlorobenzene	ND	H	1.2	0.40	ug/m3			09/15/25 13:39	1
1,2-Dichloroethane	ND	H	0.81	0.38	ug/m3			09/15/25 13:39	1
1,2-Dichloropropane	ND	H	0.92	0.43	ug/m3			09/15/25 13:39	1
1,2-Dichlorotetrafluoroethane	ND	H	1.4	0.34	ug/m3			09/15/25 13:39	1
1,3,5-Trimethylbenzene	ND	H	0.98	0.23	ug/m3			09/15/25 13:39	1
1,3-Butadiene	ND	H	0.44	0.086	ug/m3			09/15/25 13:39	1
1,3-Dichlorobenzene	**4.5**	**H**	1.2	0.45	ug/m3			09/15/25 13:39	1
1,4-Dichlorobenzene	ND	H	1.2	0.54	ug/m3			09/15/25 13:39	1
1,4-Dioxane	ND	H	18	0.17	ug/m3			09/15/25 13:39	1
2,2,4-Trimethylpentane	**0.48**	**J H**	0.93	0.18	ug/m3			09/15/25 13:39	1
2-Chlorotoluene	ND	H	1.0	0.24	ug/m3			09/15/25 13:39	1
3-Chloropropene	ND	H	1.6	0.38	ug/m3			09/15/25 13:39	1
4-Ethyltoluene	ND	H	0.98	0.24	ug/m3			09/15/25 13:39	1
4-Isopropyltoluene	ND	H	1.1	0.34	ug/m3			09/15/25 13:39	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**2.5**	**H**	2.1	0.53	ug/m3			09/15/25 13:39	1
Benzene	**3.1**	**H**	0.64	0.14	ug/m3			09/15/25 13:39	1
Benzyl chloride	ND	H	1.0	0.46	ug/m3			09/15/25 13:39	1
Bromodichloromethane	ND	H	1.3	0.34	ug/m3			09/15/25 13:39	1
Bromoethene(Vinyl Bromide)	ND	H	0.88	0.22	ug/m3			09/15/25 13:39	1
Bromoform	ND	H	2.1	1.2	ug/m3			09/15/25 13:39	1
Bromomethane	ND	H	0.78	0.28	ug/m3			09/15/25 13:39	1
Carbon disulfide	**7.3**	**H**	1.6	0.41	ug/m3			09/15/25 13:39	1
Carbon tetrachloride	ND	H	0.22	0.14	ug/m3			09/15/25 13:39	1
Chlorobenzene	**0.45**	**J H**	0.92	0.20	ug/m3			09/15/25 13:39	1
Chlorodifluoromethane	ND	H	1.8	0.42	ug/m3			09/15/25 13:39	1
Chloroethane	ND	H	1.3	0.48	ug/m3			09/15/25 13:39	1
Chloroform	**3.3**	**H**	0.98	0.20	ug/m3			09/15/25 13:39	1
Chloromethane	**0.60**	**J H**	1.0	0.31	ug/m3			09/15/25 13:39	1
cis-1,2-Dichloroethene	ND	H	0.20	0.083	ug/m3			09/15/25 13:39	1
cis-1,3-Dichloropropene	ND	H	0.91	0.20	ug/m3			09/15/25 13:39	1
Cumene	ND	H	0.98	0.20	ug/m3			09/15/25 13:39	1
Cyclohexane	**0.57**	**J H**	0.69	0.11	ug/m3			09/15/25 13:39	1
Dibromochloromethane	ND	H	1.7	0.13	ug/m3			09/15/25 13:39	1
Dichlorodifluoromethane	**2.3**	**J H**	2.5	0.54	ug/m3			09/15/25 13:39	1
Ethylbenzene	**0.42**	**J H**	0.87	0.23	ug/m3			09/15/25 13:39	1
Hexachlorobutadiene	ND	H	2.1	1.2	ug/m3			09/15/25 13:39	1
Isopropyl alcohol	**7.2**	**J H**	12	3.9	ug/m3			09/15/25 13:39	1
m,p-Xylene	**1.2**	**J H**	2.2	0.41	ug/m3			09/15/25 13:39	1
Methyl Butyl Ketone (2-Hexanone)	**1.1**	**J H**	2.1	0.62	ug/m3			09/15/25 13:39	1

Client Sample ID: SV-3
Date Collected: 08/11/25 17:35
Date Received: 08/14/25 09:40
Sample Time: 300 Min

Lab Sample ID: 480-232498-3
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	**22**	**H**	1.5	1.5	ug/m3			09/15/25 13:39	1
Methyl methacrylate	ND	H	2.1	0.57	ug/m3			09/15/25 13:39	1
Methyl tert-butyl ether	**0.56**	**J H**	0.72	0.13	ug/m3			09/15/25 13:39	1
Methylene Chloride	ND	H	1.7	0.63	ug/m3			09/15/25 13:39	1
Naphthalene	ND	H	2.0	1.6	ug/m3			09/15/25 13:39	1
n-Butane	**3.6**	**H**	1.2	0.48	ug/m3			09/15/25 13:39	1
n-Butylbenzene	ND	H	1.1	0.60	ug/m3			09/15/25 13:39	1
n-Heptane	**0.80**	**J H**	0.82	0.23	ug/m3			09/15/25 13:39	1
n-Hexane	ND	H	1.8	0.39	ug/m3			09/15/25 13:39	1
N-Propylbenzene	ND	H	0.98	0.23	ug/m3			09/15/25 13:39	1
o-Xylene	**0.46**	**J H**	0.87	0.23	ug/m3			09/15/25 13:39	1
sec-Butylbenzene	ND	H	1.1	0.25	ug/m3			09/15/25 13:39	1
Styrene	ND	H	0.85	0.25	ug/m3			09/15/25 13:39	1
tert-Butyl alcohol	**77**	**H**	15	3.6	ug/m3			09/15/25 13:39	1
tert-Butylbenzene	ND	H	1.1	0.26	ug/m3			09/15/25 13:39	1
Tetrachloroethene	**1.0**	**J H**	1.4	0.14	ug/m3			09/15/25 13:39	1
Tetrahydrofuran	ND	H	15	3.8	ug/m3			09/15/25 13:39	1
Toluene	**2.5**	**H**	0.75	0.16	ug/m3			09/15/25 13:39	1
trans-1,2-Dichloroethene	ND	H	0.79	0.091	ug/m3			09/15/25 13:39	1
trans-1,3-Dichloropropene	ND	H	0.91	0.25	ug/m3			09/15/25 13:39	1
Trichloroethene	ND	H	0.20	0.13	ug/m3			09/15/25 13:39	1
Trichlorofluoromethane	**1.1**	**H**	1.1	0.28	ug/m3			09/15/25 13:39	1
Vinyl chloride	ND	H	0.20	0.054	ug/m3			09/15/25 13:39	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	0.20	0.044	ppb v/v			09/15/25 13:39	1
1,1,2,2-Tetrachloroethane	ND	H	0.20	0.043	ppb v/v			09/15/25 13:39	1
1,1,2-Trichloroethane	ND	H	0.20	0.074	ppb v/v			09/15/25 13:39	1
1,1,2-Trichlorotrifluoroethane	**0.095**	**J H**	0.20	0.053	ppb v/v			09/15/25 13:39	1
1,1-Dichloroethane	ND	H	0.20	0.025	ppb v/v			09/15/25 13:39	1
1,1-Dichloroethene	ND	H	0.050	0.026	ppb v/v			09/15/25 13:39	1
1,2,4-Trichlorobenzene	ND	H	0.50	0.051	ppb v/v			09/15/25 13:39	1
1,2,4-Trimethylbenzene	ND	H	0.20	0.080	ppb v/v			09/15/25 13:39	1
1,2-Dibromoethane	ND	H	0.20	0.042	ppb v/v			09/15/25 13:39	1
1,2-Dichlorobenzene	ND	H	0.20	0.066	ppb v/v			09/15/25 13:39	1
1,2-Dichloroethane	ND	H	0.20	0.093	ppb v/v			09/15/25 13:39	1
1,2-Dichloropropane	ND	H	0.20	0.094	ppb v/v			09/15/25 13:39	1
1,2-Dichlorotetrafluoroethane	ND	H	0.20	0.048	ppb v/v			09/15/25 13:39	1
1,3,5-Trimethylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 13:39	1
1,3-Butadiene	ND	H	0.20	0.039	ppb v/v			09/15/25 13:39	1
1,3-Dichlorobenzene	**0.75**	**H**	0.20	0.074	ppb v/v			09/15/25 13:39	1
1,4-Dichlorobenzene	ND	H	0.20	0.089	ppb v/v			09/15/25 13:39	1
1,4-Dioxane	ND	H	5.0	0.047	ppb v/v			09/15/25 13:39	1
2,2,4-Trimethylpentane	**0.10**	**J H**	0.20	0.038	ppb v/v			09/15/25 13:39	1
2-Chlorotoluene	ND	H	0.20	0.046	ppb v/v			09/15/25 13:39	1
3-Chloropropene	ND	H	0.50	0.12	ppb v/v			09/15/25 13:39	1
4-Ethyltoluene	ND	H	0.20	0.049	ppb v/v			09/15/25 13:39	1
4-Isopropyltoluene	ND	H	0.20	0.061	ppb v/v			09/15/25 13:39	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232498-1

Client Sample ID: SV-3
Date Collected: 08/11/25 17:35
Date Received: 08/14/25 09:40
Sample Time: 300 Min

Lab Sample ID: 480-232498-3
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.61	H	0.50	0.13	ppb v/v			09/15/25 13:39	1
Benzene	0.98	H	0.20	0.044	ppb v/v			09/15/25 13:39	1
Benzyl chloride	ND	H	0.20	0.088	ppb v/v			09/15/25 13:39	1
Bromodichloromethane	ND	H	0.20	0.050	ppb v/v			09/15/25 13:39	1
Bromoethene(Vinyl Bromide)	ND	H	0.20	0.050	ppb v/v			09/15/25 13:39	1
Bromoform	ND	H	0.20	0.12	ppb v/v			09/15/25 13:39	1
Bromomethane	ND	H	0.20	0.071	ppb v/v			09/15/25 13:39	1
Carbon disulfide	2.3	H	0.50	0.13	ppb v/v			09/15/25 13:39	1
Carbon tetrachloride	ND	H	0.035	0.022	ppb v/v			09/15/25 13:39	1
Chlorobenzene	0.098	J H	0.20	0.044	ppb v/v			09/15/25 13:39	1
Chlorodifluoromethane	ND	H	0.50	0.12	ppb v/v			09/15/25 13:39	1
Chloroethane	ND	H	0.50	0.18	ppb v/v			09/15/25 13:39	1
Chloroform	0.68	H	0.20	0.041	ppb v/v			09/15/25 13:39	1
Chloromethane	0.29	J H	0.50	0.15	ppb v/v			09/15/25 13:39	1
cis-1,2-Dichloroethene	ND	H	0.050	0.021	ppb v/v			09/15/25 13:39	1
cis-1,3-Dichloropropene	ND	H	0.20	0.045	ppb v/v			09/15/25 13:39	1
Cumene	ND	H	0.20	0.041	ppb v/v			09/15/25 13:39	1
Cyclohexane	0.17	J H	0.20	0.032	ppb v/v			09/15/25 13:39	1
Dibromochloromethane	ND	H	0.20	0.015	ppb v/v			09/15/25 13:39	1
Dichlorodifluoromethane	0.46	J H	0.50	0.11	ppb v/v			09/15/25 13:39	1
Ethylbenzene	0.096	J H	0.20	0.052	ppb v/v			09/15/25 13:39	1
Hexachlorobutadiene	ND	H	0.20	0.11	ppb v/v			09/15/25 13:39	1
Isopropyl alcohol	2.9	J H	5.0	1.6	ppb v/v			09/15/25 13:39	1
m,p-Xylene	0.27	J H	0.50	0.095	ppb v/v			09/15/25 13:39	1
Methyl Butyl Ketone (2-Hexanone)	0.28	J H	0.50	0.15	ppb v/v			09/15/25 13:39	1
Methyl Ethyl Ketone (2-Butanone)	7.5	H	0.50	0.49	ppb v/v			09/15/25 13:39	1
Methyl methacrylate	ND	H	0.50	0.14	ppb v/v			09/15/25 13:39	1
Methyl tert-butyl ether	0.15	J H	0.20	0.036	ppb v/v			09/15/25 13:39	1
Methylene Chloride	ND	H	0.50	0.18	ppb v/v			09/15/25 13:39	1
Naphthalene	ND	H	0.38	0.30	ppb v/v			09/15/25 13:39	1
n-Butane	1.5	H	0.50	0.20	ppb v/v			09/15/25 13:39	1
n-Butylbenzene	ND	H	0.20	0.11	ppb v/v			09/15/25 13:39	1
n-Heptane	0.19	J H	0.20	0.055	ppb v/v			09/15/25 13:39	1
n-Hexane	ND	H	0.50	0.11	ppb v/v			09/15/25 13:39	1
N-Propylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 13:39	1
o-Xylene	0.10	J H	0.20	0.052	ppb v/v			09/15/25 13:39	1
sec-Butylbenzene	ND	H	0.20	0.045	ppb v/v			09/15/25 13:39	1
Styrene	ND	H	0.20	0.059	ppb v/v			09/15/25 13:39	1
tert-Butyl alcohol	25	H	5.0	1.2	ppb v/v			09/15/25 13:39	1
tert-Butylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 13:39	1
Tetrachloroethene	0.15	J H	0.20	0.021	ppb v/v			09/15/25 13:39	1
Tetrahydrofuran	ND	H	5.0	1.3	ppb v/v			09/15/25 13:39	1
Toluene	0.66	H	0.20	0.042	ppb v/v			09/15/25 13:39	1
trans-1,2-Dichloroethene	ND	H	0.20	0.023	ppb v/v			09/15/25 13:39	1
trans-1,3-Dichloropropene	ND	H	0.20	0.054	ppb v/v			09/15/25 13:39	1
Trichloroethene	ND	H	0.037	0.025	ppb v/v			09/15/25 13:39	1
Trichlorofluoromethane	0.19	H	0.20	0.050	ppb v/v			09/15/25 13:39	1
Vinyl chloride	ND	H	0.078	0.021	ppb v/v			09/15/25 13:39	1

Client Sample Results

Client: LaBella Associates DPC
Job ID: 480-232498-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SV-3
Lab Sample ID: 480-232498-3
Date Collected: 08/11/25 17:35
Matrix: Air
Date Received: 08/14/25 09:40
Sample Time: 300 Min
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	240	H	120	38	ug/m3			09/15/25 19:23	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	100	H	50	16	ppb v/v			09/15/25 19:23	10

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232498-1

Client Sample ID: SV-4
Date Collected: 08/11/25 16:45
Date Received: 08/14/25 09:40
Sample Time: 240 Min

Lab Sample ID: 480-232498-4
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	1.1	0.24	ug/m3			09/15/25 18:40	1
1,1,2,2-Tetrachloroethane	ND	H	1.4	0.30	ug/m3			09/15/25 18:40	1
1,1,2-Trichloroethane	ND	H	1.1	0.40	ug/m3			09/15/25 18:40	1
1,1,2-Trichlorotrifluoroethane	**0.96**	**J H**	1.5	0.41	ug/m3			09/15/25 18:40	1
1,1-Dichloroethane	ND	H	0.81	0.10	ug/m3			09/15/25 18:40	1
1,1-Dichloroethene	ND	H	0.20	0.10	ug/m3			09/15/25 18:40	1
1,2,4-Trichlorobenzene	ND	H	3.7	0.38	ug/m3			09/15/25 18:40	1
1,2,4-Trimethylbenzene	ND	H	0.98	0.39	ug/m3			09/15/25 18:40	1
1,2-Dibromoethane	ND	H	1.5	0.32	ug/m3			09/15/25 18:40	1
1,2-Dichlorobenzene	ND	H	1.2	0.40	ug/m3			09/15/25 18:40	1
1,2-Dichloroethane	ND	H	0.81	0.38	ug/m3			09/15/25 18:40	1
1,2-Dichloropropane	ND	H	0.92	0.43	ug/m3			09/15/25 18:40	1
1,2-Dichlorotetrafluoroethane	ND	H	1.4	0.34	ug/m3			09/15/25 18:40	1
1,3,5-Trimethylbenzene	ND	H	0.98	0.23	ug/m3			09/15/25 18:40	1
1,3-Butadiene	ND	H	0.44	0.086	ug/m3			09/15/25 18:40	1
1,3-Dichlorobenzene	**5.0**	**H**	1.2	0.45	ug/m3			09/15/25 18:40	1
1,4-Dichlorobenzene	ND	H	1.2	0.54	ug/m3			09/15/25 18:40	1
1,4-Dioxane	ND	H	18	0.17	ug/m3			09/15/25 18:40	1
2,2,4-Trimethylpentane	**0.90**	**J H**	0.93	0.18	ug/m3			09/15/25 18:40	1
2-Chlorotoluene	ND	H	1.0	0.24	ug/m3			09/15/25 18:40	1
3-Chloropropene	ND	H	1.6	0.38	ug/m3			09/15/25 18:40	1
4-Ethyltoluene	ND	H	0.98	0.24	ug/m3			09/15/25 18:40	1
4-Isopropyltoluene	ND	H	1.1	0.34	ug/m3			09/15/25 18:40	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**3.1**	**H**	2.1	0.53	ug/m3			09/15/25 18:40	1
Benzene	**3.9**	**H**	0.64	0.14	ug/m3			09/15/25 18:40	1
Benzyl chloride	ND	H	1.0	0.46	ug/m3			09/15/25 18:40	1
Bromodichloromethane	ND	H	1.3	0.34	ug/m3			09/15/25 18:40	1
Bromoethene(Vinyl Bromide)	ND	H	0.88	0.22	ug/m3			09/15/25 18:40	1
Bromoform	ND	H	2.1	1.2	ug/m3			09/15/25 18:40	1
Bromomethane	ND	H	0.78	0.28	ug/m3			09/15/25 18:40	1
Carbon disulfide	**28**	**H**	1.6	0.41	ug/m3			09/15/25 18:40	1
Carbon tetrachloride	**0.49**	**H**	0.22	0.14	ug/m3			09/15/25 18:40	1
Chlorobenzene	ND	H	0.92	0.20	ug/m3			09/15/25 18:40	1
Chlorodifluoromethane	ND	H	1.8	0.42	ug/m3			09/15/25 18:40	1
Chloroethane	ND	H	1.3	0.48	ug/m3			09/15/25 18:40	1
Chloroform	**0.31**	**J H**	0.98	0.20	ug/m3			09/15/25 18:40	1
Chloromethane	**0.91**	**J H**	1.0	0.31	ug/m3			09/15/25 18:40	1
cis-1,2-Dichloroethene	ND	H	0.20	0.083	ug/m3			09/15/25 18:40	1
cis-1,3-Dichloropropene	ND	H	0.91	0.20	ug/m3			09/15/25 18:40	1
Cumene	ND	H	0.98	0.20	ug/m3			09/15/25 18:40	1
Cyclohexane	**0.51**	**J H**	0.69	0.11	ug/m3			09/15/25 18:40	1
Dibromochloromethane	ND	H	1.7	0.13	ug/m3			09/15/25 18:40	1
Dichlorodifluoromethane	**2.6**	**H**	2.5	0.54	ug/m3			09/15/25 18:40	1
Ethylbenzene	**1.8**	**H**	0.87	0.23	ug/m3			09/15/25 18:40	1
Hexachlorobutadiene	ND	H	2.1	1.2	ug/m3			09/15/25 18:40	1
Isopropyl alcohol	**9.1**	**J H**	12	3.9	ug/m3			09/15/25 18:40	1
m,p-Xylene	**3.9**	**H**	2.2	0.41	ug/m3			09/15/25 18:40	1
Methyl Butyl Ketone (2-Hexanone)	**0.76**	**J H**	2.1	0.62	ug/m3			09/15/25 18:40	1

Client Sample ID: SV-4
Date Collected: 08/11/25 16:45
Date Received: 08/14/25 09:40
Sample Time: 240 Min

Lab Sample ID: 480-232498-4
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	**18**	**H**	1.5	1.5	ug/m3			09/15/25 18:40	1
Methyl methacrylate	ND	H	2.1	0.57	ug/m3			09/15/25 18:40	1
Methyl tert-butyl ether	**1.2**	**H**	0.72	0.13	ug/m3			09/15/25 18:40	1
Methylene Chloride	**0.70**	**J H**	1.7	0.63	ug/m3			09/15/25 18:40	1
Naphthalene	ND	H	2.0	1.6	ug/m3			09/15/25 18:40	1
n-Butane	**12**	**H**	1.2	0.48	ug/m3			09/15/25 18:40	1
n-Butylbenzene	ND	H	1.1	0.60	ug/m3			09/15/25 18:40	1
n-Heptane	**1.1**	**H**	0.82	0.23	ug/m3			09/15/25 18:40	1
n-Hexane	**2.7**	**H**	1.8	0.39	ug/m3			09/15/25 18:40	1
N-Propylbenzene	ND	H	0.98	0.23	ug/m3			09/15/25 18:40	1
o-Xylene	**1.7**	**H**	0.87	0.23	ug/m3			09/15/25 18:40	1
sec-Butylbenzene	ND	H	1.1	0.25	ug/m3			09/15/25 18:40	1
Styrene	ND	H	0.85	0.25	ug/m3			09/15/25 18:40	1
tert-Butyl alcohol	**58**	**H**	15	3.6	ug/m3			09/15/25 18:40	1
tert-Butylbenzene	ND	H	1.1	0.26	ug/m3			09/15/25 18:40	1
Tetrachloroethene	ND	H	1.4	0.14	ug/m3			09/15/25 18:40	1
Tetrahydrofuran	ND	H	15	3.8	ug/m3			09/15/25 18:40	1
Toluene	**3.1**	**H**	0.75	0.16	ug/m3			09/15/25 18:40	1
trans-1,2-Dichloroethene	ND	H	0.79	0.091	ug/m3			09/15/25 18:40	1
trans-1,3-Dichloropropene	ND	H	0.91	0.25	ug/m3			09/15/25 18:40	1
Trichloroethene	ND	H	0.20	0.13	ug/m3			09/15/25 18:40	1
Trichlorofluoromethane	**1.9**	**H**	1.1	0.28	ug/m3			09/15/25 18:40	1
Vinyl chloride	**0.53**	**H**	0.20	0.054	ug/m3			09/15/25 18:40	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	0.20	0.044	ppb v/v			09/15/25 18:40	1
1,1,2,2-Tetrachloroethane	ND	H	0.20	0.043	ppb v/v			09/15/25 18:40	1
1,1,2-Trichloroethane	ND	H	0.20	0.074	ppb v/v			09/15/25 18:40	1
1,1,2-Trichlorotrifluoroethane	**0.12**	**J H**	0.20	0.053	ppb v/v			09/15/25 18:40	1
1,1-Dichloroethane	ND	H	0.20	0.025	ppb v/v			09/15/25 18:40	1
1,1-Dichloroethene	ND	H	0.050	0.026	ppb v/v			09/15/25 18:40	1
1,2,4-Trichlorobenzene	ND	H	0.50	0.051	ppb v/v			09/15/25 18:40	1
1,2,4-Trimethylbenzene	ND	H	0.20	0.080	ppb v/v			09/15/25 18:40	1
1,2-Dibromoethane	ND	H	0.20	0.042	ppb v/v			09/15/25 18:40	1
1,2-Dichlorobenzene	ND	H	0.20	0.066	ppb v/v			09/15/25 18:40	1
1,2-Dichloroethane	ND	H	0.20	0.093	ppb v/v			09/15/25 18:40	1
1,2-Dichloropropane	ND	H	0.20	0.094	ppb v/v			09/15/25 18:40	1
1,2-Dichlorotetrafluoroethane	ND	H	0.20	0.048	ppb v/v			09/15/25 18:40	1
1,3,5-Trimethylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 18:40	1
1,3-Butadiene	ND	H	0.20	0.039	ppb v/v			09/15/25 18:40	1
1,3-Dichlorobenzene	**0.84**	**H**	0.20	0.074	ppb v/v			09/15/25 18:40	1
1,4-Dichlorobenzene	ND	H	0.20	0.089	ppb v/v			09/15/25 18:40	1
1,4-Dioxane	ND	H	5.0	0.047	ppb v/v			09/15/25 18:40	1
2,2,4-Trimethylpentane	**0.19**	**J H**	0.20	0.038	ppb v/v			09/15/25 18:40	1
2-Chlorotoluene	ND	H	0.20	0.046	ppb v/v			09/15/25 18:40	1
3-Chloropropene	ND	H	0.50	0.12	ppb v/v			09/15/25 18:40	1
4-Ethyltoluene	ND	H	0.20	0.049	ppb v/v			09/15/25 18:40	1
4-Isopropyltoluene	ND	H	0.20	0.061	ppb v/v			09/15/25 18:40	1

Client Sample ID: SV-4
Date Collected: 08/11/25 16:45
Date Received: 08/14/25 09:40
Sample Time: 240 Min

Lab Sample ID: 480-232498-4
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.75	H	0.50	0.13	ppb v/v			09/15/25 18:40	1
Benzene	1.2	H	0.20	0.044	ppb v/v			09/15/25 18:40	1
Benzyl chloride	ND	H	0.20	0.088	ppb v/v			09/15/25 18:40	1
Bromodichloromethane	ND	H	0.20	0.050	ppb v/v			09/15/25 18:40	1
Bromoethene(Vinyl Bromide)	ND	H	0.20	0.050	ppb v/v			09/15/25 18:40	1
Bromoform	ND	H	0.20	0.12	ppb v/v			09/15/25 18:40	1
Bromomethane	ND	H	0.20	0.071	ppb v/v			09/15/25 18:40	1
Carbon disulfide	9.1	H	0.50	0.13	ppb v/v			09/15/25 18:40	1
Carbon tetrachloride	0.078	H	0.035	0.022	ppb v/v			09/15/25 18:40	1
Chlorobenzene	ND	H	0.20	0.044	ppb v/v			09/15/25 18:40	1
Chlorodifluoromethane	ND	H	0.50	0.12	ppb v/v			09/15/25 18:40	1
Chloroethane	ND	H	0.50	0.18	ppb v/v			09/15/25 18:40	1
Chloroform	0.064	J H	0.20	0.041	ppb v/v			09/15/25 18:40	1
Chloromethane	0.44	J H	0.50	0.15	ppb v/v			09/15/25 18:40	1
cis-1,2-Dichloroethene	ND	H	0.050	0.021	ppb v/v			09/15/25 18:40	1
cis-1,3-Dichloropropene	ND	H	0.20	0.045	ppb v/v			09/15/25 18:40	1
Cumene	ND	H	0.20	0.041	ppb v/v			09/15/25 18:40	1
Cyclohexane	0.15	J H	0.20	0.032	ppb v/v			09/15/25 18:40	1
Dibromochloromethane	ND	H	0.20	0.015	ppb v/v			09/15/25 18:40	1
Dichlorodifluoromethane	0.52	H	0.50	0.11	ppb v/v			09/15/25 18:40	1
Ethylbenzene	0.40	H	0.20	0.052	ppb v/v			09/15/25 18:40	1
Hexachlorobutadiene	ND	H	0.20	0.11	ppb v/v			09/15/25 18:40	1
Isopropyl alcohol	3.7	J H	5.0	1.6	ppb v/v			09/15/25 18:40	1
m,p-Xylene	0.90	H	0.50	0.095	ppb v/v			09/15/25 18:40	1
Methyl Butyl Ketone (2-Hexanone)	0.19	J H	0.50	0.15	ppb v/v			09/15/25 18:40	1
Methyl Ethyl Ketone (2-Butanone)	6.0	H	0.50	0.49	ppb v/v			09/15/25 18:40	1
Methyl methacrylate	ND	H	0.50	0.14	ppb v/v			09/15/25 18:40	1
Methyl tert-butyl ether	0.34	H	0.20	0.036	ppb v/v			09/15/25 18:40	1
Methylene Chloride	0.20	J H	0.50	0.18	ppb v/v			09/15/25 18:40	1
Naphthalene	ND	H	0.38	0.30	ppb v/v			09/15/25 18:40	1
n-Butane	5.0	H	0.50	0.20	ppb v/v			09/15/25 18:40	1
n-Butylbenzene	ND	H	0.20	0.11	ppb v/v			09/15/25 18:40	1
n-Heptane	0.28	H	0.20	0.055	ppb v/v			09/15/25 18:40	1
n-Hexane	0.76	H	0.50	0.11	ppb v/v			09/15/25 18:40	1
N-Propylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 18:40	1
o-Xylene	0.39	H	0.20	0.052	ppb v/v			09/15/25 18:40	1
sec-Butylbenzene	ND	H	0.20	0.045	ppb v/v			09/15/25 18:40	1
Styrene	ND	H	0.20	0.059	ppb v/v			09/15/25 18:40	1
tert-Butyl alcohol	19	H	5.0	1.2	ppb v/v			09/15/25 18:40	1
tert-Butylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 18:40	1
Tetrachloroethene	ND	H	0.20	0.021	ppb v/v			09/15/25 18:40	1
Tetrahydrofuran	ND	H	5.0	1.3	ppb v/v			09/15/25 18:40	1
Toluene	0.83	H	0.20	0.042	ppb v/v			09/15/25 18:40	1
trans-1,2-Dichloroethene	ND	H	0.20	0.023	ppb v/v			09/15/25 18:40	1
trans-1,3-Dichloropropene	ND	H	0.20	0.054	ppb v/v			09/15/25 18:40	1
Trichloroethene	ND	H	0.037	0.025	ppb v/v			09/15/25 18:40	1
Trichlorofluoromethane	0.33	H	0.20	0.050	ppb v/v			09/15/25 18:40	1
Vinyl chloride	0.21	H	0.078	0.021	ppb v/v			09/15/25 18:40	1

Client Sample Results

Client: LaBella Associates DPC
Job ID: 480-232498-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SV-4
Lab Sample ID: 480-232498-4
Date Collected: 08/11/25 16:45
Matrix: Air
Date Received: 08/14/25 09:40
Sample Time: 240 Min
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	190	H	120	38	ug/m3			09/15/25 21:45	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	78	H	50	16	ppb v/v			09/15/25 21:45	10

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232498-1

Client Sample ID: SV-5
Date Collected: 08/11/25 16:50
Date Received: 08/14/25 09:40
Sample Time: 240 Min

Lab Sample ID: 480-232498-5
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	1.1	0.24	ug/m3			09/15/25 15:27	1
1,1,2,2-Tetrachloroethane	ND	H	1.4	0.30	ug/m3			09/15/25 15:27	1
1,1,2-Trichloroethane	ND	H	1.1	0.40	ug/m3			09/15/25 15:27	1
1,1,2-Trichlorotrifluoroethane	**0.70**	**J H**	1.5	0.41	ug/m3			09/15/25 15:27	1
1,1-Dichloroethane	ND	H	0.81	0.10	ug/m3			09/15/25 15:27	1
1,1-Dichloroethene	ND	H	0.20	0.10	ug/m3			09/15/25 15:27	1
1,2,4-Trichlorobenzene	ND	H	3.7	0.38	ug/m3			09/15/25 15:27	1
1,2,4-Trimethylbenzene	ND	H	0.98	0.39	ug/m3			09/15/25 15:27	1
1,2-Dibromoethane	ND	H	1.5	0.32	ug/m3			09/15/25 15:27	1
1,2-Dichlorobenzene	ND	H	1.2	0.40	ug/m3			09/15/25 15:27	1
1,2-Dichloroethane	ND	H	0.81	0.38	ug/m3			09/15/25 15:27	1
1,2-Dichloropropane	ND	H	0.92	0.43	ug/m3			09/15/25 15:27	1
1,2-Dichlorotetrafluoroethane	ND	H	1.4	0.34	ug/m3			09/15/25 15:27	1
1,3,5-Trimethylbenzene	ND	H	0.98	0.23	ug/m3			09/15/25 15:27	1
1,3-Butadiene	ND	H	0.44	0.086	ug/m3			09/15/25 15:27	1
1,3-Dichlorobenzene	**30**	**H**	1.2	0.45	ug/m3			09/15/25 15:27	1
1,4-Dichlorobenzene	ND	H	1.2	0.54	ug/m3			09/15/25 15:27	1
1,4-Dioxane	ND	H	18	0.17	ug/m3			09/15/25 15:27	1
2,2,4-Trimethylpentane	**0.60**	**J H**	0.93	0.18	ug/m3			09/15/25 15:27	1
2-Chlorotoluene	ND	H	1.0	0.24	ug/m3			09/15/25 15:27	1
3-Chloropropene	ND	H	1.6	0.38	ug/m3			09/15/25 15:27	1
4-Ethyltoluene	ND	H	0.98	0.24	ug/m3			09/15/25 15:27	1
4-Isopropyltoluene	ND	H	1.1	0.34	ug/m3			09/15/25 15:27	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**1.8**	**J H**	2.1	0.53	ug/m3			09/15/25 15:27	1
Benzene	**2.5**	**H**	0.64	0.14	ug/m3			09/15/25 15:27	1
Benzyl chloride	ND	H	1.0	0.46	ug/m3			09/15/25 15:27	1
Bromodichloromethane	ND	H	1.3	0.34	ug/m3			09/15/25 15:27	1
Bromoethene(Vinyl Bromide)	ND	H	0.88	0.22	ug/m3			09/15/25 15:27	1
Bromoform	ND	H	2.1	1.2	ug/m3			09/15/25 15:27	1
Bromomethane	ND	H	0.78	0.28	ug/m3			09/15/25 15:27	1
Carbon disulfide	**1.4**	**J H**	1.6	0.41	ug/m3			09/15/25 15:27	1
Carbon tetrachloride	ND	H	0.22	0.14	ug/m3			09/15/25 15:27	1
Chlorobenzene	**0.77**	**J H**	0.92	0.20	ug/m3			09/15/25 15:27	1
Chlorodifluoromethane	ND	H	1.8	0.42	ug/m3			09/15/25 15:27	1
Chloroethane	ND	H	1.3	0.48	ug/m3			09/15/25 15:27	1
Chloroform	**0.46**	**J H**	0.98	0.20	ug/m3			09/15/25 15:27	1
Chloromethane	ND	H	1.0	0.31	ug/m3			09/15/25 15:27	1
cis-1,2-Dichloroethene	ND	H	0.20	0.083	ug/m3			09/15/25 15:27	1
cis-1,3-Dichloropropene	ND	H	0.91	0.20	ug/m3			09/15/25 15:27	1
Cumene	ND	H	0.98	0.20	ug/m3			09/15/25 15:27	1
Cyclohexane	**0.77**	**H**	0.69	0.11	ug/m3			09/15/25 15:27	1
Dibromochloromethane	ND	H	1.7	0.13	ug/m3			09/15/25 15:27	1
Dichlorodifluoromethane	**2.5**	**H**	2.5	0.54	ug/m3			09/15/25 15:27	1
Ethylbenzene	**0.55**	**J H**	0.87	0.23	ug/m3			09/15/25 15:27	1
Hexachlorobutadiene	ND	H	2.1	1.2	ug/m3			09/15/25 15:27	1
Isopropyl alcohol	ND	H	12	3.9	ug/m3			09/15/25 15:27	1
m,p-Xylene	**1.8**	**J H**	2.2	0.41	ug/m3			09/15/25 15:27	1
Methyl Butyl Ketone (2-Hexanone)	**2.9**	**H**	2.1	0.62	ug/m3			09/15/25 15:27	1

Client Sample ID: SV-5
Date Collected: 08/11/25 16:50
Date Received: 08/14/25 09:40
Sample Time: 240 Min

Lab Sample ID: 480-232498-5
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	**30**	**H**	1.5	1.5	ug/m3			09/15/25 15:27	1
Methyl methacrylate	ND	H	2.1	0.57	ug/m3			09/15/25 15:27	1
Methyl tert-butyl ether	**0.51**	**J H**	0.72	0.13	ug/m3			09/15/25 15:27	1
Methylene Chloride	ND	H	1.7	0.63	ug/m3			09/15/25 15:27	1
Naphthalene	ND	H	2.0	1.6	ug/m3			09/15/25 15:27	1
n-Butane	**3.4**	**H**	1.2	0.48	ug/m3			09/15/25 15:27	1
n-Butylbenzene	ND	H	1.1	0.60	ug/m3			09/15/25 15:27	1
n-Heptane	**1.2**	**H**	0.82	0.23	ug/m3			09/15/25 15:27	1
n-Hexane	**1.2**	**J H**	1.8	0.39	ug/m3			09/15/25 15:27	1
N-Propylbenzene	ND	H	0.98	0.23	ug/m3			09/15/25 15:27	1
o-Xylene	**0.78**	**J H**	0.87	0.23	ug/m3			09/15/25 15:27	1
sec-Butylbenzene	ND	H	1.1	0.25	ug/m3			09/15/25 15:27	1
Styrene	ND	H	0.85	0.25	ug/m3			09/15/25 15:27	1
tert-Butylbenzene	ND	H	1.1	0.26	ug/m3			09/15/25 15:27	1
Tetrachloroethene	**5.4**	**H**	1.4	0.14	ug/m3			09/15/25 15:27	1
Tetrahydrofuran	ND	H	15	3.8	ug/m3			09/15/25 15:27	1
Toluene	**2.3**	**H**	0.75	0.16	ug/m3			09/15/25 15:27	1
trans-1,2-Dichloroethene	ND	H	0.79	0.091	ug/m3			09/15/25 15:27	1
trans-1,3-Dichloropropene	ND	H	0.91	0.25	ug/m3			09/15/25 15:27	1
Trichloroethene	ND	H	0.20	0.13	ug/m3			09/15/25 15:27	1
Trichlorofluoromethane	**1.3**	**H**	1.1	0.28	ug/m3			09/15/25 15:27	1
Vinyl chloride	ND	H	0.20	0.054	ug/m3			09/15/25 15:27	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	0.20	0.044	ppb v/v			09/15/25 15:27	1
1,1,2,2-Tetrachloroethane	ND	H	0.20	0.043	ppb v/v			09/15/25 15:27	1
1,1,2-Trichloroethane	ND	H	0.20	0.074	ppb v/v			09/15/25 15:27	1
1,1,2-Trichlorotrifluoroethane	**0.092**	**J H**	0.20	0.053	ppb v/v			09/15/25 15:27	1
1,1-Dichloroethane	ND	H	0.20	0.025	ppb v/v			09/15/25 15:27	1
1,1-Dichloroethene	ND	H	0.050	0.026	ppb v/v			09/15/25 15:27	1
1,2,4-Trichlorobenzene	ND	H	0.50	0.051	ppb v/v			09/15/25 15:27	1
1,2,4-Trimethylbenzene	ND	H	0.20	0.080	ppb v/v			09/15/25 15:27	1
1,2-Dibromoethane	ND	H	0.20	0.042	ppb v/v			09/15/25 15:27	1
1,2-Dichlorobenzene	ND	H	0.20	0.066	ppb v/v			09/15/25 15:27	1
1,2-Dichloroethane	ND	H	0.20	0.093	ppb v/v			09/15/25 15:27	1
1,2-Dichloropropane	ND	H	0.20	0.094	ppb v/v			09/15/25 15:27	1
1,2-Dichlorotetrafluoroethane	ND	H	0.20	0.048	ppb v/v			09/15/25 15:27	1
1,3,5-Trimethylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 15:27	1
1,3-Butadiene	ND	H	0.20	0.039	ppb v/v			09/15/25 15:27	1
1,3-Dichlorobenzene	**4.9**	**H**	0.20	0.074	ppb v/v			09/15/25 15:27	1
1,4-Dichlorobenzene	ND	H	0.20	0.089	ppb v/v			09/15/25 15:27	1
1,4-Dioxane	ND	H	5.0	0.047	ppb v/v			09/15/25 15:27	1
2,2,4-Trimethylpentane	**0.13**	**J H**	0.20	0.038	ppb v/v			09/15/25 15:27	1
2-Chlorotoluene	ND	H	0.20	0.046	ppb v/v			09/15/25 15:27	1
3-Chloropropene	ND	H	0.50	0.12	ppb v/v			09/15/25 15:27	1
4-Ethyltoluene	ND	H	0.20	0.049	ppb v/v			09/15/25 15:27	1
4-Isopropyltoluene	ND	H	0.20	0.061	ppb v/v			09/15/25 15:27	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**0.44**	**J H**	0.50	0.13	ppb v/v			09/15/25 15:27	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232498-1

Client Sample ID: SV-5
Date Collected: 08/11/25 16:50
Date Received: 08/14/25 09:40
Sample Time: 240 Min

Lab Sample ID: 480-232498-5
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.77**	**H**	0.20	0.044	ppb v/v			09/15/25 15:27	1
Benzyl chloride	ND	H	0.20	0.088	ppb v/v			09/15/25 15:27	1
Bromodichloromethane	ND	H	0.20	0.050	ppb v/v			09/15/25 15:27	1
Bromoethene(Vinyl Bromide)	ND	H	0.20	0.050	ppb v/v			09/15/25 15:27	1
Bromoform	ND	H	0.20	0.12	ppb v/v			09/15/25 15:27	1
Bromomethane	ND	H	0.20	0.071	ppb v/v			09/15/25 15:27	1
Carbon disulfide	**0.47**	**J H**	0.50	0.13	ppb v/v			09/15/25 15:27	1
Carbon tetrachloride	ND	H	0.035	0.022	ppb v/v			09/15/25 15:27	1
Chlorobenzene	**0.17**	**J H**	0.20	0.044	ppb v/v			09/15/25 15:27	1
Chlorodifluoromethane	ND	H	0.50	0.12	ppb v/v			09/15/25 15:27	1
Chloroethane	ND	H	0.50	0.18	ppb v/v			09/15/25 15:27	1
Chloroform	**0.094**	**J H**	0.20	0.041	ppb v/v			09/15/25 15:27	1
Chloromethane	ND	H	0.50	0.15	ppb v/v			09/15/25 15:27	1
cis-1,2-Dichloroethene	ND	H	0.050	0.021	ppb v/v			09/15/25 15:27	1
cis-1,3-Dichloropropene	ND	H	0.20	0.045	ppb v/v			09/15/25 15:27	1
Cumene	ND	H	0.20	0.041	ppb v/v			09/15/25 15:27	1
Cyclohexane	**0.22**	**H**	0.20	0.032	ppb v/v			09/15/25 15:27	1
Dibromochloromethane	ND	H	0.20	0.015	ppb v/v			09/15/25 15:27	1
Dichlorodifluoromethane	**0.51**	**H**	0.50	0.11	ppb v/v			09/15/25 15:27	1
Ethylbenzene	**0.13**	**J H**	0.20	0.052	ppb v/v			09/15/25 15:27	1
Hexachlorobutadiene	ND	H	0.20	0.11	ppb v/v			09/15/25 15:27	1
Isopropyl alcohol	ND	H	5.0	1.6	ppb v/v			09/15/25 15:27	1
m,p-Xylene	**0.41**	**J H**	0.50	0.095	ppb v/v			09/15/25 15:27	1
Methyl Butyl Ketone (2-Hexanone)	**0.71**	**H**	0.50	0.15	ppb v/v			09/15/25 15:27	1
Methyl Ethyl Ketone (2-Butanone)	**10**	**H**	0.50	0.49	ppb v/v			09/15/25 15:27	1
Methyl methacrylate	ND	H	0.50	0.14	ppb v/v			09/15/25 15:27	1
Methyl tert-butyl ether	**0.14**	**J H**	0.20	0.036	ppb v/v			09/15/25 15:27	1
Methylene Chloride	ND	H	0.50	0.18	ppb v/v			09/15/25 15:27	1
Naphthalene	ND	H	0.38	0.30	ppb v/v			09/15/25 15:27	1
n-Butane	**1.4**	**H**	0.50	0.20	ppb v/v			09/15/25 15:27	1
n-Butylbenzene	ND	H	0.20	0.11	ppb v/v			09/15/25 15:27	1
n-Heptane	**0.28**	**H**	0.20	0.055	ppb v/v			09/15/25 15:27	1
n-Hexane	**0.33**	**J H**	0.50	0.11	ppb v/v			09/15/25 15:27	1
N-Propylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 15:27	1
o-Xylene	**0.18**	**J H**	0.20	0.052	ppb v/v			09/15/25 15:27	1
sec-Butylbenzene	ND	H	0.20	0.045	ppb v/v			09/15/25 15:27	1
Styrene	ND	H	0.20	0.059	ppb v/v			09/15/25 15:27	1
tert-Butylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 15:27	1
Tetrachloroethene	**0.79**	**H**	0.20	0.021	ppb v/v			09/15/25 15:27	1
Tetrahydrofuran	ND	H	5.0	1.3	ppb v/v			09/15/25 15:27	1
Toluene	**0.62**	**H**	0.20	0.042	ppb v/v			09/15/25 15:27	1
trans-1,2-Dichloroethene	ND	H	0.20	0.023	ppb v/v			09/15/25 15:27	1
trans-1,3-Dichloropropene	ND	H	0.20	0.054	ppb v/v			09/15/25 15:27	1
Trichloroethene	ND	H	0.037	0.025	ppb v/v			09/15/25 15:27	1
Trichlorofluoromethane	**0.24**	**H**	0.20	0.050	ppb v/v			09/15/25 15:27	1
Vinyl chloride	ND	H	0.078	0.021	ppb v/v			09/15/25 15:27	1

Client: LaBella Associates DPC
Job ID: 480-232498-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SV-5
Lab Sample ID: 480-232498-5
Date Collected: 08/11/25 16:50
Matrix: Air
Date Received: 08/14/25 09:40
Sample Time: 240 Min
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol	110	H	61	15	ug/m3			09/15/25 19:45	4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol	35	H	20	4.8	ppb v/v			09/15/25 19:45	4

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	270	H	120	38	ug/m3			09/15/25 20:06	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	110	H	50	16	ppb v/v			09/15/25 20:06	10

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232498-1

Client Sample ID: OA
Date Collected: 08/11/25 16:55
Date Received: 08/14/25 09:40
Sample Time: 240 Min

Lab Sample ID: 480-232498-6
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	1.1	0.24	ug/m3			09/15/25 15:57	1
1,1,2,2-Tetrachloroethane	ND	H	1.4	0.30	ug/m3			09/15/25 15:57	1
1,1,2-Trichloroethane	ND	H	1.1	0.40	ug/m3			09/15/25 15:57	1
1,1,2-Trichlorotrifluoroethane	ND	H	1.5	0.41	ug/m3			09/15/25 15:57	1
1,1-Dichloroethane	ND	H	0.81	0.10	ug/m3			09/15/25 15:57	1
1,1-Dichloroethene	ND	H	0.20	0.10	ug/m3			09/15/25 15:57	1
1,2,4-Trichlorobenzene	ND	H	3.7	0.38	ug/m3			09/15/25 15:57	1
1,2,4-Trimethylbenzene	ND	H	0.98	0.39	ug/m3			09/15/25 15:57	1
1,2-Dibromoethane	ND	H	1.5	0.32	ug/m3			09/15/25 15:57	1
1,2-Dichlorobenzene	ND	H	1.2	0.40	ug/m3			09/15/25 15:57	1
1,2-Dichloroethane	ND	H	0.81	0.38	ug/m3			09/15/25 15:57	1
1,2-Dichloropropane	ND	H	0.92	0.43	ug/m3			09/15/25 15:57	1
1,2-Dichlorotetrafluoroethane	ND	H	1.4	0.34	ug/m3			09/15/25 15:57	1
1,3,5-Trimethylbenzene	ND	H	0.98	0.23	ug/m3			09/15/25 15:57	1
1,3-Butadiene	ND	H	0.44	0.086	ug/m3			09/15/25 15:57	1
1,3-Dichlorobenzene	ND	H	1.2	0.45	ug/m3			09/15/25 15:57	1
1,4-Dichlorobenzene	ND	H	1.2	0.54	ug/m3			09/15/25 15:57	1
1,4-Dioxane	ND	H	18	0.17	ug/m3			09/15/25 15:57	1
2,2,4-Trimethylpentane	ND	H	0.93	0.18	ug/m3			09/15/25 15:57	1
2-Chlorotoluene	ND	H	1.0	0.24	ug/m3			09/15/25 15:57	1
3-Chloropropene	ND	H	1.6	0.38	ug/m3			09/15/25 15:57	1
4-Ethyltoluene	ND	H	0.98	0.24	ug/m3			09/15/25 15:57	1
4-Isopropyltoluene	ND	H	1.1	0.34	ug/m3			09/15/25 15:57	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	ND	H	2.1	0.53	ug/m3			09/15/25 15:57	1
Benzene	ND	H	0.64	0.14	ug/m3			09/15/25 15:57	1
Benzyl chloride	ND	H	1.0	0.46	ug/m3			09/15/25 15:57	1
Bromodichloromethane	ND	H	1.3	0.34	ug/m3			09/15/25 15:57	1
Bromoethene(Vinyl Bromide)	ND	H	0.88	0.22	ug/m3			09/15/25 15:57	1
Bromoform	ND	H	2.1	1.2	ug/m3			09/15/25 15:57	1
Bromomethane	ND	H	0.78	0.28	ug/m3			09/15/25 15:57	1
Carbon disulfide	**3.6**	**H**	1.6	0.41	ug/m3			09/15/25 15:57	1
Carbon tetrachloride	ND	H	0.22	0.14	ug/m3			09/15/25 15:57	1
Chlorobenzene	ND	H	0.92	0.20	ug/m3			09/15/25 15:57	1
Chlorodifluoromethane	ND	H	1.8	0.42	ug/m3			09/15/25 15:57	1
Chloroethane	ND	H	1.3	0.48	ug/m3			09/15/25 15:57	1
Chloroform	**2.8**	**H**	0.98	0.20	ug/m3			09/15/25 15:57	1
Chloromethane	ND	H	1.0	0.31	ug/m3			09/15/25 15:57	1
cis-1,2-Dichloroethene	ND	H	0.20	0.083	ug/m3			09/15/25 15:57	1
cis-1,3-Dichloropropene	ND	H	0.91	0.20	ug/m3			09/15/25 15:57	1
Cumene	ND	H	0.98	0.20	ug/m3			09/15/25 15:57	1
Cyclohexane	ND	H	0.69	0.11	ug/m3			09/15/25 15:57	1
Dibromochloromethane	ND	H	1.7	0.13	ug/m3			09/15/25 15:57	1
Dichlorodifluoromethane	**2.8**	**H**	2.5	0.54	ug/m3			09/15/25 15:57	1
Ethylbenzene	ND	H	0.87	0.23	ug/m3			09/15/25 15:57	1
Hexachlorobutadiene	ND	H	2.1	1.2	ug/m3			09/15/25 15:57	1
Isopropyl alcohol	ND	H	12	3.9	ug/m3			09/15/25 15:57	1
m,p-Xylene	ND	H	2.2	0.41	ug/m3			09/15/25 15:57	1
Methyl Butyl Ketone (2-Hexanone)	ND	H	2.1	0.62	ug/m3			09/15/25 15:57	1

Client Sample ID: OA
Date Collected: 08/11/25 16:55
Date Received: 08/14/25 09:40
Sample Time: 240 Min

Lab Sample ID: 480-232498-6
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	ND	H	1.5	1.5	ug/m3			09/15/25 15:57	1
Methyl methacrylate	ND	H	2.1	0.57	ug/m3			09/15/25 15:57	1
Methyl tert-butyl ether	ND	H	0.72	0.13	ug/m3			09/15/25 15:57	1
Methylene Chloride	**2.6**	**H**	1.7	0.63	ug/m3			09/15/25 15:57	1
Naphthalene	ND	H	2.0	1.6	ug/m3			09/15/25 15:57	1
n-Butane	**5.5**	**H**	1.2	0.48	ug/m3			09/15/25 15:57	1
n-Butylbenzene	ND	H	1.1	0.60	ug/m3			09/15/25 15:57	1
n-Heptane	ND	H	0.82	0.23	ug/m3			09/15/25 15:57	1
n-Hexane	ND	H	1.8	0.39	ug/m3			09/15/25 15:57	1
N-Propylbenzene	ND	H	0.98	0.23	ug/m3			09/15/25 15:57	1
o-Xylene	ND	H	0.87	0.23	ug/m3			09/15/25 15:57	1
sec-Butylbenzene	ND	H	1.1	0.25	ug/m3			09/15/25 15:57	1
Styrene	ND	H	0.85	0.25	ug/m3			09/15/25 15:57	1
tert-Butyl alcohol	**6.6**	**J H**	15	3.6	ug/m3			09/15/25 15:57	1
tert-Butylbenzene	ND	H	1.1	0.26	ug/m3			09/15/25 15:57	1
Tetrachloroethene	**13**	**H**	1.4	0.14	ug/m3			09/15/25 15:57	1
Tetrahydrofuran	ND	H	15	3.8	ug/m3			09/15/25 15:57	1
Toluene	ND	H	0.75	0.16	ug/m3			09/15/25 15:57	1
trans-1,2-Dichloroethene	ND	H	0.79	0.091	ug/m3			09/15/25 15:57	1
trans-1,3-Dichloropropene	ND	H	0.91	0.25	ug/m3			09/15/25 15:57	1
Trichloroethene	ND	H	0.20	0.13	ug/m3			09/15/25 15:57	1
Trichlorofluoromethane	**1.1**	**H**	1.1	0.28	ug/m3			09/15/25 15:57	1
Vinyl chloride	ND	H	0.20	0.054	ug/m3			09/15/25 15:57	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	0.20	0.044	ppb v/v			09/15/25 15:57	1
1,1,2,2-Tetrachloroethane	ND	H	0.20	0.043	ppb v/v			09/15/25 15:57	1
1,1,2-Trichloroethane	ND	H	0.20	0.074	ppb v/v			09/15/25 15:57	1
1,1,2-Trichlorotrifluoroethane	ND	H	0.20	0.053	ppb v/v			09/15/25 15:57	1
1,1-Dichloroethane	ND	H	0.20	0.025	ppb v/v			09/15/25 15:57	1
1,1-Dichloroethene	ND	H	0.050	0.026	ppb v/v			09/15/25 15:57	1
1,2,4-Trichlorobenzene	ND	H	0.50	0.051	ppb v/v			09/15/25 15:57	1
1,2,4-Trimethylbenzene	ND	H	0.20	0.080	ppb v/v			09/15/25 15:57	1
1,2-Dibromoethane	ND	H	0.20	0.042	ppb v/v			09/15/25 15:57	1
1,2-Dichlorobenzene	ND	H	0.20	0.066	ppb v/v			09/15/25 15:57	1
1,2-Dichloroethane	ND	H	0.20	0.093	ppb v/v			09/15/25 15:57	1
1,2-Dichloropropane	ND	H	0.20	0.094	ppb v/v			09/15/25 15:57	1
1,2-Dichlorotetrafluoroethane	ND	H	0.20	0.048	ppb v/v			09/15/25 15:57	1
1,3,5-Trimethylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 15:57	1
1,3-Butadiene	ND	H	0.20	0.039	ppb v/v			09/15/25 15:57	1
1,3-Dichlorobenzene	ND	H	0.20	0.074	ppb v/v			09/15/25 15:57	1
1,4-Dichlorobenzene	ND	H	0.20	0.089	ppb v/v			09/15/25 15:57	1
1,4-Dioxane	ND	H	5.0	0.047	ppb v/v			09/15/25 15:57	1
2,2,4-Trimethylpentane	ND	H	0.20	0.038	ppb v/v			09/15/25 15:57	1
2-Chlorotoluene	ND	H	0.20	0.046	ppb v/v			09/15/25 15:57	1
3-Chloropropene	ND	H	0.50	0.12	ppb v/v			09/15/25 15:57	1
4-Ethyltoluene	ND	H	0.20	0.049	ppb v/v			09/15/25 15:57	1
4-Isopropyltoluene	ND	H	0.20	0.061	ppb v/v			09/15/25 15:57	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232498-1

Client Sample ID: OA
Date Collected: 08/11/25 16:55
Date Received: 08/14/25 09:40
Sample Time: 240 Min

Lab Sample ID: 480-232498-6
Matrix: Air
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	ND	H	0.50	0.13	ppb v/v			09/15/25 15:57	1
Benzene	ND	H	0.20	0.044	ppb v/v			09/15/25 15:57	1
Benzyl chloride	ND	H	0.20	0.088	ppb v/v			09/15/25 15:57	1
Bromodichloromethane	ND	H	0.20	0.050	ppb v/v			09/15/25 15:57	1
Bromoethene(Vinyl Bromide)	ND	H	0.20	0.050	ppb v/v			09/15/25 15:57	1
Bromoform	ND	H	0.20	0.12	ppb v/v			09/15/25 15:57	1
Bromomethane	ND	H	0.20	0.071	ppb v/v			09/15/25 15:57	1
Carbon disulfide	**1.2**	**H**	0.50	0.13	ppb v/v			09/15/25 15:57	1
Carbon tetrachloride	ND	H	0.035	0.022	ppb v/v			09/15/25 15:57	1
Chlorobenzene	ND	H	0.20	0.044	ppb v/v			09/15/25 15:57	1
Chlorodifluoromethane	ND	H	0.50	0.12	ppb v/v			09/15/25 15:57	1
Chloroethane	ND	H	0.50	0.18	ppb v/v			09/15/25 15:57	1
Chloroform	**0.58**	**H**	0.20	0.041	ppb v/v			09/15/25 15:57	1
Chloromethane	ND	H	0.50	0.15	ppb v/v			09/15/25 15:57	1
cis-1,2-Dichloroethene	ND	H	0.050	0.021	ppb v/v			09/15/25 15:57	1
cis-1,3-Dichloropropene	ND	H	0.20	0.045	ppb v/v			09/15/25 15:57	1
Cumene	ND	H	0.20	0.041	ppb v/v			09/15/25 15:57	1
Cyclohexane	ND	H	0.20	0.032	ppb v/v			09/15/25 15:57	1
Dibromochloromethane	ND	H	0.20	0.015	ppb v/v			09/15/25 15:57	1
Dichlorodifluoromethane	**0.56**	**H**	0.50	0.11	ppb v/v			09/15/25 15:57	1
Ethylbenzene	ND	H	0.20	0.052	ppb v/v			09/15/25 15:57	1
Hexachlorobutadiene	ND	H	0.20	0.11	ppb v/v			09/15/25 15:57	1
Isopropyl alcohol	ND	H	5.0	1.6	ppb v/v			09/15/25 15:57	1
m,p-Xylene	ND	H	0.50	0.095	ppb v/v			09/15/25 15:57	1
Methyl Butyl Ketone (2-Hexanone)	ND	H	0.50	0.15	ppb v/v			09/15/25 15:57	1
Methyl Ethyl Ketone (2-Butanone)	ND	H	0.50	0.49	ppb v/v			09/15/25 15:57	1
Methyl methacrylate	ND	H	0.50	0.14	ppb v/v			09/15/25 15:57	1
Methyl tert-butyl ether	ND	H	0.20	0.036	ppb v/v			09/15/25 15:57	1
Methylene Chloride	**0.75**	**H**	0.50	0.18	ppb v/v			09/15/25 15:57	1
Naphthalene	ND	H	0.38	0.30	ppb v/v			09/15/25 15:57	1
n-Butane	**2.3**	**H**	0.50	0.20	ppb v/v			09/15/25 15:57	1
n-Butylbenzene	ND	H	0.20	0.11	ppb v/v			09/15/25 15:57	1
n-Heptane	ND	H	0.20	0.055	ppb v/v			09/15/25 15:57	1
n-Hexane	ND	H	0.50	0.11	ppb v/v			09/15/25 15:57	1
N-Propylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 15:57	1
o-Xylene	ND	H	0.20	0.052	ppb v/v			09/15/25 15:57	1
sec-Butylbenzene	ND	H	0.20	0.045	ppb v/v			09/15/25 15:57	1
Styrene	ND	H	0.20	0.059	ppb v/v			09/15/25 15:57	1
tert-Butyl alcohol	**2.2**	**J H**	5.0	1.2	ppb v/v			09/15/25 15:57	1
tert-Butylbenzene	ND	H	0.20	0.047	ppb v/v			09/15/25 15:57	1
Tetrachloroethene	**1.9**	**H**	0.20	0.021	ppb v/v			09/15/25 15:57	1
Tetrahydrofuran	ND	H	5.0	1.3	ppb v/v			09/15/25 15:57	1
Toluene	ND	H	0.20	0.042	ppb v/v			09/15/25 15:57	1
trans-1,2-Dichloroethene	ND	H	0.20	0.023	ppb v/v			09/15/25 15:57	1
trans-1,3-Dichloropropene	ND	H	0.20	0.054	ppb v/v			09/15/25 15:57	1
Trichloroethene	ND	H	0.037	0.025	ppb v/v			09/15/25 15:57	1
Trichlorofluoromethane	**0.20**	**H**	0.20	0.050	ppb v/v			09/15/25 15:57	1
Vinyl chloride	ND	H	0.078	0.021	ppb v/v			09/15/25 15:57	1

Client Sample Results

Client: LaBella Associates DPC
Job ID: 480-232498-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: OA
Lab Sample ID: 480-232498-6
Date Collected: 08/11/25 16:55
Matrix: Air
Date Received: 08/14/25 09:40
Sample Time: 240 Min
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	75	H	24	7.6	ug/m3			09/15/25 20:31	2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	32	H	10	3.2	ppb v/v			09/15/25 20:31	2

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Lab Sample ID: MB 410-699173/7
Matrix: Air
Analysis Batch: 699173

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1	0.24	ug/m3			09/15/25 10:18	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			09/15/25 10:18	1
1,1,2-Trichloroethane	ND		1.1	0.40	ug/m3			09/15/25 10:18	1
1,1,2-Trichlorotrifluoroethane	ND		1.5	0.41	ug/m3			09/15/25 10:18	1
1,1-Dichloroethane	ND		0.81	0.10	ug/m3			09/15/25 10:18	1
1,1-Dichloroethene	ND		0.20	0.10	ug/m3			09/15/25 10:18	1
1,2,4-Trichlorobenzene	ND		3.7	0.38	ug/m3			09/15/25 10:18	1
1,2,4-Trimethylbenzene	ND		0.98	0.39	ug/m3			09/15/25 10:18	1
1,2-Dibromoethane	ND		1.5	0.32	ug/m3			09/15/25 10:18	1
1,2-Dichlorobenzene	ND		1.2	0.40	ug/m3			09/15/25 10:18	1
1,2-Dichloroethane	ND		0.81	0.38	ug/m3			09/15/25 10:18	1
1,2-Dichloropropane	ND		0.92	0.43	ug/m3			09/15/25 10:18	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.34	ug/m3			09/15/25 10:18	1
1,3,5-Trimethylbenzene	ND		0.98	0.23	ug/m3			09/15/25 10:18	1
1,3-Butadiene	ND		0.44	0.086	ug/m3			09/15/25 10:18	1
1,3-Dichlorobenzene	ND		1.2	0.45	ug/m3			09/15/25 10:18	1
1,4-Dichlorobenzene	ND		1.2	0.54	ug/m3			09/15/25 10:18	1
1,4-Dioxane	ND		18	0.17	ug/m3			09/15/25 10:18	1
2,2,4-Trimethylpentane	ND		0.93	0.18	ug/m3			09/15/25 10:18	1
2-Chlorotoluene	ND		1.0	0.24	ug/m3			09/15/25 10:18	1
3-Chloropropene	ND		1.6	0.38	ug/m3			09/15/25 10:18	1
4-Ethyltoluene	ND		0.98	0.24	ug/m3			09/15/25 10:18	1
4-Isopropyltoluene	ND		1.1	0.34	ug/m3			09/15/25 10:18	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	ND		2.1	0.53	ug/m3			09/15/25 10:18	1
Acetone	ND		12	3.8	ug/m3			09/15/25 10:18	1
Benzene	ND		0.64	0.14	ug/m3			09/15/25 10:18	1
Benzyl chloride	ND		1.0	0.46	ug/m3			09/15/25 10:18	1
Bromodichloromethane	ND		1.3	0.34	ug/m3			09/15/25 10:18	1
Bromoethene(Vinyl Bromide)	ND		0.88	0.22	ug/m3			09/15/25 10:18	1
Bromoform	ND		2.1	1.2	ug/m3			09/15/25 10:18	1
Bromomethane	ND		0.78	0.28	ug/m3			09/15/25 10:18	1
Carbon disulfide	ND		1.6	0.41	ug/m3			09/15/25 10:18	1
Carbon tetrachloride	ND		0.22	0.14	ug/m3			09/15/25 10:18	1
Chlorobenzene	ND		0.92	0.20	ug/m3			09/15/25 10:18	1
Chlorodifluoromethane	ND		1.8	0.42	ug/m3			09/15/25 10:18	1
Chloroethane	ND		1.3	0.48	ug/m3			09/15/25 10:18	1
Chloroform	ND		0.98	0.20	ug/m3			09/15/25 10:18	1
Chloromethane	ND		1.0	0.31	ug/m3			09/15/25 10:18	1
cis-1,2-Dichloroethene	ND		0.20	0.083	ug/m3			09/15/25 10:18	1
cis-1,3-Dichloropropene	ND		0.91	0.20	ug/m3			09/15/25 10:18	1
Cumene	ND		0.98	0.20	ug/m3			09/15/25 10:18	1
Cyclohexane	ND		0.69	0.11	ug/m3			09/15/25 10:18	1
Dibromochloromethane	ND		1.7	0.13	ug/m3			09/15/25 10:18	1
Dichlorodifluoromethane	ND		2.5	0.54	ug/m3			09/15/25 10:18	1
Ethylbenzene	ND		0.87	0.23	ug/m3			09/15/25 10:18	1
Hexachlorobutadiene	ND		2.1	1.2	ug/m3			09/15/25 10:18	1
Isopropyl alcohol	ND		12	3.9	ug/m3			09/15/25 10:18	1
m,p-Xylene	ND		2.2	0.41	ug/m3			09/15/25 10:18	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 410-699173/7
Matrix: Air
Analysis Batch: 699173

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	ND		2.1	0.62	ug/m3			09/15/25 10:18	1
Methyl Ethyl Ketone (2-Butanone)	ND		1.5	1.5	ug/m3			09/15/25 10:18	1
Methyl methacrylate	ND		2.1	0.57	ug/m3			09/15/25 10:18	1
Methyl tert-butyl ether	ND		0.72	0.13	ug/m3			09/15/25 10:18	1
Methylene Chloride	ND		1.7	0.63	ug/m3			09/15/25 10:18	1
Naphthalene	ND		2.0	1.6	ug/m3			09/15/25 10:18	1
n-Butane	ND		1.2	0.48	ug/m3			09/15/25 10:18	1
n-Butylbenzene	ND		1.1	0.60	ug/m3			09/15/25 10:18	1
n-Heptane	ND		0.82	0.23	ug/m3			09/15/25 10:18	1
n-Hexane	ND		1.8	0.39	ug/m3			09/15/25 10:18	1
N-Propylbenzene	ND		0.98	0.23	ug/m3			09/15/25 10:18	1
o-Xylene	ND		0.87	0.23	ug/m3			09/15/25 10:18	1
sec-Butylbenzene	ND		1.1	0.25	ug/m3			09/15/25 10:18	1
Styrene	ND		0.85	0.25	ug/m3			09/15/25 10:18	1
tert-Butyl alcohol	ND		15	3.6	ug/m3			09/15/25 10:18	1
tert-Butylbenzene	ND		1.1	0.26	ug/m3			09/15/25 10:18	1
Tetrachloroethene	ND		1.4	0.14	ug/m3			09/15/25 10:18	1
Tetrahydrofuran	ND		15	3.8	ug/m3			09/15/25 10:18	1
Toluene	ND		0.75	0.16	ug/m3			09/15/25 10:18	1
trans-1,2-Dichloroethene	ND		0.79	0.091	ug/m3			09/15/25 10:18	1
trans-1,3-Dichloropropene	ND		0.91	0.25	ug/m3			09/15/25 10:18	1
Trichloroethene	ND		0.20	0.13	ug/m3			09/15/25 10:18	1
Trichlorofluoromethane	ND		1.1	0.28	ug/m3			09/15/25 10:18	1
Vinyl chloride	ND		0.20	0.054	ug/m3			09/15/25 10:18	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20	0.044	ppb v/v			09/15/25 10:18	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.043	ppb v/v			09/15/25 10:18	1
1,1,2-Trichloroethane	ND		0.20	0.074	ppb v/v			09/15/25 10:18	1
1,1,2-Trichlorotrifluoroethane	ND		0.20	0.053	ppb v/v			09/15/25 10:18	1
1,1-Dichloroethane	ND		0.20	0.025	ppb v/v			09/15/25 10:18	1
1,1-Dichloroethene	ND		0.050	0.026	ppb v/v			09/15/25 10:18	1
1,2,4-Trichlorobenzene	ND		0.50	0.051	ppb v/v			09/15/25 10:18	1
1,2,4-Trimethylbenzene	ND		0.20	0.080	ppb v/v			09/15/25 10:18	1
1,2-Dibromoethane	ND		0.20	0.042	ppb v/v			09/15/25 10:18	1
1,2-Dichlorobenzene	ND		0.20	0.066	ppb v/v			09/15/25 10:18	1
1,2-Dichloroethane	ND		0.20	0.093	ppb v/v			09/15/25 10:18	1
1,2-Dichloropropane	ND		0.20	0.094	ppb v/v			09/15/25 10:18	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.048	ppb v/v			09/15/25 10:18	1
1,3,5-Trimethylbenzene	ND		0.20	0.047	ppb v/v			09/15/25 10:18	1
1,3-Butadiene	ND		0.20	0.039	ppb v/v			09/15/25 10:18	1
1,3-Dichlorobenzene	ND		0.20	0.074	ppb v/v			09/15/25 10:18	1
1,4-Dichlorobenzene	ND		0.20	0.089	ppb v/v			09/15/25 10:18	1
1,4-Dioxane	ND		5.0	0.047	ppb v/v			09/15/25 10:18	1
2,2,4-Trimethylpentane	ND		0.20	0.038	ppb v/v			09/15/25 10:18	1
2-Chlorotoluene	ND		0.20	0.046	ppb v/v			09/15/25 10:18	1
3-Chloropropene	ND		0.50	0.12	ppb v/v			09/15/25 10:18	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 410-699173/7
Matrix: Air
Analysis Batch: 699173

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Ethyltoluene	ND		0.20	0.049	ppb v/v			09/15/25 10:18	1
4-Isopropyltoluene	ND		0.20	0.061	ppb v/v			09/15/25 10:18	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	ND		0.50	0.13	ppb v/v			09/15/25 10:18	1
Acetone	ND		5.0	1.6	ppb v/v			09/15/25 10:18	1
Benzene	ND		0.20	0.044	ppb v/v			09/15/25 10:18	1
Benzyl chloride	ND		0.20	0.088	ppb v/v			09/15/25 10:18	1
Bromodichloromethane	ND		0.20	0.050	ppb v/v			09/15/25 10:18	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.050	ppb v/v			09/15/25 10:18	1
Bromoform	ND		0.20	0.12	ppb v/v			09/15/25 10:18	1
Bromomethane	ND		0.20	0.071	ppb v/v			09/15/25 10:18	1
Carbon disulfide	ND		0.50	0.13	ppb v/v			09/15/25 10:18	1
Carbon tetrachloride	ND		0.035	0.022	ppb v/v			09/15/25 10:18	1
Chlorobenzene	ND		0.20	0.044	ppb v/v			09/15/25 10:18	1
Chlorodifluoromethane	ND		0.50	0.12	ppb v/v			09/15/25 10:18	1
Chloroethane	ND		0.50	0.18	ppb v/v			09/15/25 10:18	1
Chloroform	ND		0.20	0.041	ppb v/v			09/15/25 10:18	1
Chloromethane	ND		0.50	0.15	ppb v/v			09/15/25 10:18	1
cis-1,2-Dichloroethene	ND		0.050	0.021	ppb v/v			09/15/25 10:18	1
cis-1,3-Dichloropropene	ND		0.20	0.045	ppb v/v			09/15/25 10:18	1
Cumene	ND		0.20	0.041	ppb v/v			09/15/25 10:18	1
Cyclohexane	ND		0.20	0.032	ppb v/v			09/15/25 10:18	1
Dibromochloromethane	ND		0.20	0.015	ppb v/v			09/15/25 10:18	1
Dichlorodifluoromethane	ND		0.50	0.11	ppb v/v			09/15/25 10:18	1
Ethylbenzene	ND		0.20	0.052	ppb v/v			09/15/25 10:18	1
Hexachlorobutadiene	ND		0.20	0.11	ppb v/v			09/15/25 10:18	1
Isopropyl alcohol	ND		5.0	1.6	ppb v/v			09/15/25 10:18	1
m,p-Xylene	ND		0.50	0.095	ppb v/v			09/15/25 10:18	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.15	ppb v/v			09/15/25 10:18	1
Methyl Ethyl Ketone (2-Butanone)	ND		0.50	0.49	ppb v/v			09/15/25 10:18	1
Methyl methacrylate	ND		0.50	0.14	ppb v/v			09/15/25 10:18	1
Methyl tert-butyl ether	ND		0.20	0.036	ppb v/v			09/15/25 10:18	1
Methylene Chloride	ND		0.50	0.18	ppb v/v			09/15/25 10:18	1
Naphthalene	ND		0.38	0.30	ppb v/v			09/15/25 10:18	1
n-Butane	ND		0.50	0.20	ppb v/v			09/15/25 10:18	1
n-Butylbenzene	ND		0.20	0.11	ppb v/v			09/15/25 10:18	1
n-Heptane	ND		0.20	0.055	ppb v/v			09/15/25 10:18	1
n-Hexane	ND		0.50	0.11	ppb v/v			09/15/25 10:18	1
N-Propylbenzene	ND		0.20	0.047	ppb v/v			09/15/25 10:18	1
o-Xylene	ND		0.20	0.052	ppb v/v			09/15/25 10:18	1
sec-Butylbenzene	ND		0.20	0.045	ppb v/v			09/15/25 10:18	1
Styrene	ND		0.20	0.059	ppb v/v			09/15/25 10:18	1
tert-Butyl alcohol	ND		5.0	1.2	ppb v/v			09/15/25 10:18	1
tert-Butylbenzene	ND		0.20	0.047	ppb v/v			09/15/25 10:18	1
Tetrachloroethene	ND		0.20	0.021	ppb v/v			09/15/25 10:18	1
Tetrahydrofuran	ND		5.0	1.3	ppb v/v			09/15/25 10:18	1
Toluene	ND		0.20	0.042	ppb v/v			09/15/25 10:18	1
trans-1,2-Dichloroethene	ND		0.20	0.023	ppb v/v			09/15/25 10:18	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 410-699173/7
Matrix: Air
Analysis Batch: 699173

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.20	0.054	ppb v/v			09/15/25 10:18	1
Trichloroethene	ND		0.037	0.025	ppb v/v			09/15/25 10:18	1
Trichlorofluoromethane	ND		0.20	0.050	ppb v/v			09/15/25 10:18	1
Vinyl chloride	ND		0.078	0.021	ppb v/v			09/15/25 10:18	1

Lab Sample ID: LCS 410-699173/4
Matrix: Air
Analysis Batch: 699173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	27.3	24.7		ug/m3		90	70 - 130
1,1,2,2-Tetrachloroethane	34.3	29.7		ug/m3		87	61 - 130
1,1,2-Trichloroethane	27.3	25.8		ug/m3		94	70 - 130
1,1,2-Trichlorotrifluoroethane	38.3	40.8		ug/m3		106	70 - 130
1,1-Dichloroethane	20.2	20.1		ug/m3		100	70 - 130
1,1-Dichloroethene	19.8	20.5		ug/m3		103	70 - 131
1,2,4-Trichlorobenzene	37.1	28.2		ug/m3		76	52 - 143
1,2,4-Trimethylbenzene	24.6	19.3		ug/m3		78	65 - 146
1,2-Dibromoethane	38.4	36.6		ug/m3		95	70 - 130
1,2-Dichlorobenzene	30.1	23.7		ug/m3		79	61 - 139
1,2-Dichloroethane	20.2	19.2		ug/m3		95	70 - 131
1,2-Dichloropropane	23.1	20.2		ug/m3		88	70 - 130
1,2-Dichlorotetrafluoroethane	35.0	34.7		ug/m3		99	70 - 130
1,3,5-Trimethylbenzene	24.6	20.2		ug/m3		82	69 - 141
1,3-Butadiene	11.1	10.7		ug/m3		97	70 - 131
1,3-Dichlorobenzene	30.1	25.1		ug/m3		84	64 - 140
1,4-Dichlorobenzene	30.1	24.2		ug/m3		81	64 - 137
1,4-Dioxane	18.0	15.1	J	ug/m3		84	70 - 130
2,2,4-Trimethylpentane	23.4	21.9		ug/m3		94	70 - 130
2-Chlorotoluene	25.9	22.3		ug/m3		86	70 - 130
3-Chloropropene	15.7	14.1		ug/m3		90	70 - 137
4-Ethyltoluene	24.6	21.3		ug/m3		87	69 - 139
4-Isopropyltoluene	27.4	21.5		ug/m3		78	60 - 148
4-Methyl-2-pentanone (Methyl isobutyl ketone)	20.5	16.8		ug/m3		82	68 - 133
Acetone	11.9	10.1	J	ug/m3		85	70 - 137
Benzene	16.0	15.6		ug/m3		98	70 - 130
Benzyl chloride	25.9	19.1		ug/m3		74	57 - 142
Bromodichloromethane	33.5	30.2		ug/m3		90	70 - 130
Bromoethene(Vinyl Bromide)	21.9	20.1		ug/m3		92	70 - 130
Bromoform	51.7	47.2		ug/m3		91	60 - 139
Bromomethane	19.4	22.1		ug/m3		114	70 - 140
Carbon disulfide	15.6	12.3		ug/m3		79	70 - 130
Carbon tetrachloride	31.5	29.8		ug/m3		95	70 - 130
Chlorobenzene	23.0	20.4		ug/m3		89	70 - 130
Chlorodifluoromethane	17.7	18.6		ug/m3		105	70 - 132
Chloroethane	13.2	13.0		ug/m3		99	70 - 131
Chloroform	24.4	24.4		ug/m3		100	70 - 130

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 410-699173/4
Matrix: Air
Analysis Batch: 699173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	10.3	10.5		ug/m3		102	64 - 138
cis-1,2-Dichloroethene	19.8	18.7		ug/m3		94	70 - 130
cis-1,3-Dichloropropene	22.7	18.4		ug/m3		81	70 - 130
Cumene	24.6	21.0		ug/m3		86	70 - 137
Cyclohexane	17.2	14.1		ug/m3		82	61 - 130
Dibromochloromethane	42.6	40.3		ug/m3		95	70 - 130
Dichlorodifluoromethane	24.7	26.1		ug/m3		105	70 - 131
Ethylbenzene	21.7	19.1		ug/m3		88	70 - 130
Hexachlorobutadiene	53.3	46.8		ug/m3		88	40 - 157
Isopropyl alcohol	12.3	8.53	J	ug/m3		69	62 - 135
m,p-Xylene	21.7	19.9		ug/m3		92	70 - 130
Methyl Butyl Ketone (2-Hexanone)	20.5	17.0		ug/m3		83	57 - 141
Methyl Ethyl Ketone (2-Butanone)	14.7	12.2		ug/m3		83	70 - 130
Methyl methacrylate	20.5	16.1		ug/m3		79	70 - 130
Methyl tert-butyl ether	18.0	14.8		ug/m3		82	70 - 130
Methylene Chloride	17.4	17.2		ug/m3		99	70 - 130
Naphthalene	30.4	18.6		ug/m3		61	22 - 139
n-Butylbenzene	27.4	20.9		ug/m3		76	57 - 143
n-Heptane	20.5	17.9		ug/m3		87	70 - 130
n-Hexane	17.6	15.0		ug/m3		85	61 - 130
N-Propylbenzene	24.6	20.3		ug/m3		83	70 - 130
o-Xylene	21.7	17.5		ug/m3		81	70 - 130
sec-Butylbenzene	27.4	22.8		ug/m3		83	66 - 141
Styrene	21.3	18.4		ug/m3		86	70 - 133
tert-Butyl alcohol	16.8	13.2	J	ug/m3		79	50 - 130
tert-Butylbenzene	27.4	23.5		ug/m3		86	63 - 130
Tetrachloroethene	33.9	29.1		ug/m3		86	70 - 140
Tetrahydrofuran	14.7	13.1	J	ug/m3		89	54 - 143
Toluene	18.8	17.4		ug/m3		92	70 - 130
trans-1,2-Dichloroethene	19.8	18.2		ug/m3		92	70 - 130
trans-1,3-Dichloropropene	22.7	21.4		ug/m3		94	70 - 130
Trichloroethene	26.9	25.9		ug/m3		96	70 - 130
Trichlorofluoromethane	28.1	26.8		ug/m3		95	70 - 130
Vinyl chloride	12.8	13.6		ug/m3		106	70 - 135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	5.0	4.52		ppb v/v		90	70 - 130
1,1,2,2-Tetrachloroethane	5.0	4.33		ppb v/v		87	61 - 130
1,1,2-Trichloroethane	5.0	4.72		ppb v/v		94	70 - 130
1,1,2-Trichlorotrifluoroethane	5.0	5.32		ppb v/v		106	70 - 130
1,1-Dichloroethane	5.0	4.98		ppb v/v		100	70 - 130
1,1-Dichloroethene	5.0	5.17		ppb v/v		103	70 - 131
1,2,4-Trichlorobenzene	5.0	3.79		ppb v/v		76	52 - 143
1,2,4-Trimethylbenzene	5.0	3.92		ppb v/v		78	65 - 146
1,2-Dibromoethane	5.0	4.76		ppb v/v		95	70 - 130
1,2-Dichlorobenzene	5.0	3.94		ppb v/v		79	61 - 139

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 410-699173/4
Matrix: Air
Analysis Batch: 699173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	5.0	4.75		ppb v/v		95	70 - 131
1,2-Dichloropropane	5.0	4.38		ppb v/v		88	70 - 130
1,2-Dichlorotetrafluoroethane	5.0	4.96		ppb v/v		99	70 - 130
1,3,5-Trimethylbenzene	5.0	4.12		ppb v/v		82	69 - 141
1,3-Butadiene	5.0	4.83		ppb v/v		97	70 - 131
1,3-Dichlorobenzene	5.0	4.18		ppb v/v		84	64 - 140
1,4-Dichlorobenzene	5.0	4.03		ppb v/v		81	64 - 137
1,4-Dioxane	5.0	4.18	J	ppb v/v		84	70 - 130
2,2,4-Trimethylpentane	5.0	4.68		ppb v/v		94	70 - 130
2-Chlorotoluene	5.0	4.31		ppb v/v		86	70 - 130
3-Chloropropene	5.0	4.51		ppb v/v		90	70 - 137
4-Ethyltoluene	5.0	4.33		ppb v/v		87	69 - 139
4-Isopropyltoluene	5.0	3.92		ppb v/v		78	60 - 148
4-Methyl-2-pentanone (Methyl isobutyl ketone)	5.0	4.10		ppb v/v		82	68 - 133
Acetone	5.0	4.24	J	ppb v/v		85	70 - 137
Benzene	5.0	4.90		ppb v/v		98	70 - 130
Benzyl chloride	5.0	3.69		ppb v/v		74	57 - 142
Bromodichloromethane	5.0	4.50		ppb v/v		90	70 - 130
Bromoethene(Vinyl Bromide)	5.0	4.60		ppb v/v		92	70 - 130
Bromoform	5.0	4.57		ppb v/v		91	60 - 139
Bromomethane	5.0	5.69		ppb v/v		114	70 - 140
Carbon disulfide	5.0	3.96		ppb v/v		79	70 - 130
Carbon tetrachloride	5.0	4.73		ppb v/v		95	70 - 130
Chlorobenzene	5.0	4.44		ppb v/v		89	70 - 130
Chlorodifluoromethane	5.0	5.26		ppb v/v		105	70 - 132
Chloroethane	5.0	4.93		ppb v/v		99	70 - 131
Chloroform	5.0	5.00		ppb v/v		100	70 - 130
Chloromethane	5.0	5.09		ppb v/v		102	64 - 138
cis-1,2-Dichloroethene	5.0	4.72		ppb v/v		94	70 - 130
cis-1,3-Dichloropropene	5.0	4.06		ppb v/v		81	70 - 130
Cumene	5.0	4.28		ppb v/v		86	70 - 137
Cyclohexane	5.0	4.11		ppb v/v		82	61 - 130
Dibromochloromethane	5.0	4.73		ppb v/v		95	70 - 130
Dichlorodifluoromethane	5.0	5.27		ppb v/v		105	70 - 131
Ethylbenzene	5.0	4.41		ppb v/v		88	70 - 130
Hexachlorobutadiene	5.0	4.39		ppb v/v		88	40 - 157
Isopropyl alcohol	5.0	3.47	J	ppb v/v		69	62 - 135
m,p-Xylene	5.0	4.59		ppb v/v		92	70 - 130
Methyl Butyl Ketone (2-Hexanone)	5.0	4.15		ppb v/v		83	57 - 141
Methyl Ethyl Ketone (2-Butanone)	5.0	4.14		ppb v/v		83	70 - 130
Methyl methacrylate	5.0	3.93		ppb v/v		79	70 - 130
Methyl tert-butyl ether	5.0	4.10		ppb v/v		82	70 - 130
Methylene Chloride	5.0	4.95		ppb v/v		99	70 - 130
Naphthalene	5.8	3.55		ppb v/v		61	22 - 139
n-Butylbenzene	5.0	3.81		ppb v/v		76	57 - 143

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 410-699173/4
Matrix: Air
Analysis Batch: 699173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
n-Heptane	5.0	4.37		ppb v/v		87	70 - 130
n-Hexane	5.0	4.26		ppb v/v		85	61 - 130
N-Propylbenzene	5.0	4.13		ppb v/v		83	70 - 130
o-Xylene	5.0	4.04		ppb v/v		81	70 - 130
sec-Butylbenzene	5.0	4.15		ppb v/v		83	66 - 141
Styrene	5.0	4.31		ppb v/v		86	70 - 133
tert-Butyl alcohol	5.6	4.37	J	ppb v/v		79	50 - 130
tert-Butylbenzene	5.0	4.28		ppb v/v		86	63 - 130
Tetrachloroethene	5.0	4.29		ppb v/v		86	70 - 140
Tetrahydrofuran	5.0	4.43	J	ppb v/v		89	54 - 143
Toluene	5.0	4.62		ppb v/v		92	70 - 130
trans-1,2-Dichloroethene	5.0	4.59		ppb v/v		92	70 - 130
trans-1,3-Dichloropropene	5.0	4.71		ppb v/v		94	70 - 130
Trichloroethene	5.0	4.81		ppb v/v		96	70 - 130
Trichlorofluoromethane	5.0	4.77		ppb v/v		95	70 - 130
Vinyl chloride	5.0	5.31		ppb v/v		106	70 - 135

Lab Sample ID: LCSD 410-699173/5
Matrix: Air
Analysis Batch: 699173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	27.3	24.6		ug/m3		90	70 - 130	0	25
1,1,2,2-Tetrachloroethane	34.3	29.8		ug/m3		87	61 - 130	0	25
1,1,2-Trichloroethane	27.3	26.1		ug/m3		96	70 - 130	1	25
1,1,2-Trichlorotrifluoroethane	38.3	40.5		ug/m3		106	70 - 130	1	25
1,1-Dichloroethane	20.2	20.1		ug/m3		99	70 - 130	0	25
1,1-Dichloroethene	19.8	20.3		ug/m3		102	70 - 131	1	25
1,2,4-Trichlorobenzene	37.1	31.2		ug/m3		84	52 - 143	10	25
1,2,4-Trimethylbenzene	24.6	19.8		ug/m3		81	65 - 146	3	25
1,2-Dibromoethane	38.4	37.0		ug/m3		96	70 - 130	1	25
1,2-Dichlorobenzene	30.1	24.1		ug/m3		80	61 - 139	2	25
1,2-Dichloroethane	20.2	19.6		ug/m3		97	70 - 131	2	25
1,2-Dichloropropane	23.1	20.3		ug/m3		88	70 - 130	0	25
1,2-Dichlorotetrafluoroethane	35.0	33.7		ug/m3		96	70 - 130	3	25
1,3,5-Trimethylbenzene	24.6	20.6		ug/m3		84	69 - 141	2	25
1,3-Butadiene	11.1	10.6		ug/m3		96	70 - 131	1	25
1,3-Dichlorobenzene	30.1	25.7		ug/m3		86	64 - 140	2	25
1,4-Dichlorobenzene	30.1	24.7		ug/m3		82	64 - 137	2	25
1,4-Dioxane	18.0	15.1	J	ug/m3		84	70 - 130	0	25
2,2,4-Trimethylpentane	23.4	21.9		ug/m3		94	70 - 130	0	25
2-Chlorotoluene	25.9	22.6		ug/m3		87	70 - 130	1	25
3-Chloropropene	15.7	13.8		ug/m3		88	70 - 137	3	25
4-Ethyltoluene	24.6	21.7		ug/m3		88	69 - 139	2	25
4-Isopropyltoluene	27.4	21.7		ug/m3		79	60 - 148	1	25
4-Methyl-2-pentanone (Methyl isobutyl ketone)	20.5	17.1		ug/m3		83	68 - 133	1	25
Acetone	11.9	9.80	J	ug/m3		83	70 - 137	3	25

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCSD 410-699173/5
Matrix: Air
Analysis Batch: 699173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	16.0	15.7		ug/m3		98	70 - 130	0	25
Benzyl chloride	25.9	19.3		ug/m3		74	57 - 142	1	25
Bromodichloromethane	33.5	30.6		ug/m3		91	70 - 130	2	25
Bromoethene(Vinyl Bromide)	21.9	19.8		ug/m3		90	70 - 130	2	25
Bromoform	51.7	47.7		ug/m3		92	60 - 139	1	25
Bromomethane	19.4	22.0		ug/m3		113	70 - 140	0	25
Carbon disulfide	15.6	12.1		ug/m3		78	70 - 130	2	25
Carbon tetrachloride	31.5	29.0		ug/m3		92	70 - 130	3	25
Chlorobenzene	23.0	20.9		ug/m3		91	70 - 130	2	25
Chlorodifluoromethane	17.7	18.0		ug/m3		102	70 - 132	3	25
Chloroethane	13.2	12.9		ug/m3		98	70 - 131	1	25
Chloroform	24.4	24.1		ug/m3		99	70 - 130	1	25
Chloromethane	10.3	10.4		ug/m3		100	64 - 138	2	25
cis-1,2-Dichloroethene	19.8	18.7		ug/m3		94	70 - 130	0	25
cis-1,3-Dichloropropene	22.7	19.0		ug/m3		84	70 - 130	3	25
Cumene	24.6	21.4		ug/m3		87	70 - 137	2	25
Cyclohexane	17.2	14.1		ug/m3		82	61 - 130	1	25
Dibromochloromethane	42.6	41.5		ug/m3		97	70 - 130	3	25
Dichlorodifluoromethane	24.7	25.5		ug/m3		103	70 - 131	2	25
Ethylbenzene	21.7	19.2		ug/m3		88	70 - 130	0	25
Hexachlorobutadiene	53.3	50.9		ug/m3		95	40 - 157	8	25
Isopropyl alcohol	12.3	8.46	J	ug/m3		69	62 - 135	1	25
m,p-Xylene	21.7	19.9		ug/m3		92	70 - 130	0	25
Methyl Butyl Ketone (2-Hexanone)	20.5	17.0		ug/m3		83	57 - 141	0	25
Methyl Ethyl Ketone (2-Butanone)	14.7	11.9		ug/m3		81	70 - 130	2	25
Methyl methacrylate	20.5	16.1		ug/m3		79	70 - 130	0	25
Methyl tert-butyl ether	18.0	14.8		ug/m3		82	70 - 130	0	25
Methylene Chloride	17.4	16.9		ug/m3		97	70 - 130	2	25
Naphthalene	30.4	20.5		ug/m3		67	22 - 139	10	25
n-Butylbenzene	27.4	21.7		ug/m3		79	57 - 143	4	25
n-Heptane	20.5	18.1		ug/m3		89	70 - 130	1	25
n-Hexane	17.6	14.6		ug/m3		83	61 - 130	3	25
N-Propylbenzene	24.6	20.8		ug/m3		84	70 - 130	2	25
o-Xylene	21.7	17.7		ug/m3		82	70 - 130	1	25
sec-Butylbenzene	27.4	22.9		ug/m3		84	66 - 141	1	25
Styrene	21.3	18.7		ug/m3		88	70 - 133	2	25
tert-Butyl alcohol	16.8	13.2	J	ug/m3		78	50 - 130	0	25
tert-Butylbenzene	27.4	24.0		ug/m3		88	63 - 130	2	25
Tetrachloroethene	33.9	29.2		ug/m3		86	70 - 140	0	25
Tetrahydrofuran	14.7	12.8	J	ug/m3		87	54 - 143	2	25
Toluene	18.8	17.4		ug/m3		92	70 - 130	0	25
trans-1,2-Dichloroethene	19.8	18.2		ug/m3		92	70 - 130	0	25
trans-1,3-Dichloropropene	22.7	21.2		ug/m3		93	70 - 130	1	25
Trichloroethene	26.9	26.0		ug/m3		97	70 - 130	1	25
Trichlorofluoromethane	28.1	26.4		ug/m3		94	70 - 130	1	25
Vinyl chloride	12.8	13.3		ug/m3		104	70 - 135	2	25

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			5.0	4.51		ppb v/v		90	70 - 130	0	25
1,1,2,2-Tetrachloroethane			5.0	4.34		ppb v/v		87	61 - 130	0	25
1,1,2-Trichloroethane			5.0	4.79		ppb v/v		96	70 - 130	1	25
1,1,2-Trichlorotrifluoroethane			5.0	5.29		ppb v/v		106	70 - 130	1	25
1,1-Dichloroethane			5.0	4.96		ppb v/v		99	70 - 130	0	25
1,1-Dichloroethene			5.0	5.12		ppb v/v		102	70 - 131	1	25
1,2,4-Trichlorobenzene			5.0	4.21		ppb v/v		84	52 - 143	10	25
1,2,4-Trimethylbenzene			5.0	4.03		ppb v/v		81	65 - 146	3	25
1,2-Dibromoethane			5.0	4.82		ppb v/v		96	70 - 130	1	25
1,2-Dichlorobenzene			5.0	4.01		ppb v/v		80	61 - 139	2	25
1,2-Dichloroethane			5.0	4.85		ppb v/v		97	70 - 131	2	25
1,2-Dichloropropane			5.0	4.38		ppb v/v		88	70 - 130	0	25
1,2-Dichlorotetrafluoroethane			5.0	4.81		ppb v/v		96	70 - 130	3	25
1,3,5-Trimethylbenzene			5.0	4.20		ppb v/v		84	69 - 141	2	25
1,3-Butadiene			5.0	4.80		ppb v/v		96	70 - 131	1	25
1,3-Dichlorobenzene			5.0	4.28		ppb v/v		86	64 - 140	2	25
1,4-Dichlorobenzene			5.0	4.11		ppb v/v		82	64 - 137	2	25
1,4-Dioxane			5.0	4.18	J	ppb v/v		84	70 - 130	0	25
2,2,4-Trimethylpentane			5.0	4.68		ppb v/v		94	70 - 130	0	25
2-Chlorotoluene			5.0	4.36		ppb v/v		87	70 - 130	1	25
3-Chloropropene			5.0	4.39		ppb v/v		88	70 - 137	3	25
4-Ethyltoluene			5.0	4.42		ppb v/v		88	69 - 139	2	25
4-Isopropyltoluene			5.0	3.96		ppb v/v		79	60 - 148	1	25
4-Methyl-2-pentanone (Methyl isobutyl ketone)			5.0	4.16		ppb v/v		83	68 - 133	1	25
Acetone			5.0	4.13	J	ppb v/v		83	70 - 137	3	25
Benzene			5.0	4.91		ppb v/v		98	70 - 130	0	25
Benzyl chloride			5.0	3.72		ppb v/v		74	57 - 142	1	25
Bromodichloromethane			5.0	4.57		ppb v/v		91	70 - 130	2	25
Bromoethene(Vinyl Bromide)			5.0	4.52		ppb v/v		90	70 - 130	2	25
Bromoform			5.0	4.62		ppb v/v		92	60 - 139	1	25
Bromomethane			5.0	5.67		ppb v/v		113	70 - 140	0	25
Carbon disulfide			5.0	3.90		ppb v/v		78	70 - 130	2	25
Carbon tetrachloride			5.0	4.61		ppb v/v		92	70 - 130	3	25
Chlorobenzene			5.0	4.54		ppb v/v		91	70 - 130	2	25
Chlorodifluoromethane			5.0	5.10		ppb v/v		102	70 - 132	3	25
Chloroethane			5.0	4.89		ppb v/v		98	70 - 131	1	25
Chloroform			5.0	4.93		ppb v/v		99	70 - 130	1	25
Chloromethane			5.0	5.02		ppb v/v		100	64 - 138	2	25
cis-1,2-Dichloroethene			5.0	4.71		ppb v/v		94	70 - 130	0	25
cis-1,3-Dichloropropene			5.0	4.19		ppb v/v		84	70 - 130	3	25
Cumene			5.0	4.35		ppb v/v		87	70 - 137	2	25
Cyclohexane			5.0	4.09		ppb v/v		82	61 - 130	1	25
Dibromochloromethane			5.0	4.87		ppb v/v		97	70 - 130	3	25
Dichlorodifluoromethane			5.0	5.16		ppb v/v		103	70 - 131	2	25
Ethylbenzene			5.0	4.42		ppb v/v		88	70 - 130	0	25
Hexachlorobutadiene			5.0	4.77		ppb v/v		95	40 - 157	8	25
Isopropyl alcohol			5.0	3.44	J	ppb v/v		69	62 - 135	1	25
m,p-Xylene			5.0	4.58		ppb v/v		92	70 - 130	0	25
Methyl Butyl Ketone (2-Hexanone)			5.0	4.14		ppb v/v		83	57 - 141	0	25

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCSD 410-699173/5
Matrix: Air
Analysis Batch: 699173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl Ethyl Ketone (2-Butanone)			5.0	4.05		ppb v/v		81	70 - 130	2	25
Methyl methacrylate			5.0	3.94		ppb v/v		79	70 - 130	0	25
Methyl tert-butyl ether			5.0	4.09		ppb v/v		82	70 - 130	0	25
Methylene Chloride			5.0	4.87		ppb v/v		97	70 - 130	2	25
Naphthalene			5.8	3.91		ppb v/v		67	22 - 139	10	25
n-Butylbenzene			5.0	3.95		ppb v/v		79	57 - 143	4	25
n-Heptane			5.0	4.43		ppb v/v		89	70 - 130	1	25
n-Hexane			5.0	4.14		ppb v/v		83	61 - 130	3	25
N-Propylbenzene			5.0	4.22		ppb v/v		84	70 - 130	2	25
o-Xylene			5.0	4.08		ppb v/v		82	70 - 130	1	25
sec-Butylbenzene			5.0	4.18		ppb v/v		84	66 - 141	1	25
Styrene			5.0	4.39		ppb v/v		88	70 - 133	2	25
tert-Butyl alcohol			5.6	4.36	J	ppb v/v		78	50 - 130	0	25
tert-Butylbenzene			5.0	4.38		ppb v/v		88	63 - 130	2	25
Tetrachloroethene			5.0	4.30		ppb v/v		86	70 - 140	0	25
Tetrahydrofuran			5.0	4.33	J	ppb v/v		87	54 - 143	2	25
Toluene			5.0	4.62		ppb v/v		92	70 - 130	0	25
trans-1,2-Dichloroethene			5.0	4.60		ppb v/v		92	70 - 130	0	25
trans-1,3-Dichloropropene			5.0	4.67		ppb v/v		93	70 - 130	1	25
Trichloroethene			5.0	4.85		ppb v/v		97	70 - 130	1	25
Trichlorofluoromethane			5.0	4.71		ppb v/v		94	70 - 130	1	25
Vinyl chloride			5.0	5.20		ppb v/v		104	70 - 135	2	25

QC Association Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232498-1

Air - GC/MS VOA

Analysis Batch: 699173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232498-1	SV-1	Total/NA	Air	TO 15 LL	
480-232498-2	SV-2	Total/NA	Air	TO 15 LL	
480-232498-2 - DL	SV-2	Total/NA	Air	TO 15 LL	
480-232498-3	SV-3	Total/NA	Air	TO 15 LL	
480-232498-3 - DL	SV-3	Total/NA	Air	TO 15 LL	
480-232498-4	SV-4	Total/NA	Air	TO 15 LL	
480-232498-4 - DL	SV-4	Total/NA	Air	TO 15 LL	
480-232498-5	SV-5	Total/NA	Air	TO 15 LL	
480-232498-5 - DL	SV-5	Total/NA	Air	TO 15 LL	
480-232498-5 - DL2	SV-5	Total/NA	Air	TO 15 LL	
480-232498-6	OA	Total/NA	Air	TO 15 LL	
480-232498-6 - DL	OA	Total/NA	Air	TO 15 LL	
MB 410-699173/7	Method Blank	Total/NA	Air	TO 15 LL	
LCS 410-699173/4	Lab Control Sample	Total/NA	Air	TO 15 LL	
LCSD 410-699173/5	Lab Control Sample Dup	Total/NA	Air	TO 15 LL	

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-232498-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SV-1
Lab Sample ID: 480-232498-1
Date Collected: 08/11/25 16:15
Matrix: Air
Date Received: 08/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO 15 LL		1	699173	D7UM	ELLE	09/15/25 12:43

Client Sample ID: SV-2
Lab Sample ID: 480-232498-2
Date Collected: 08/11/25 16:20
Matrix: Air
Date Received: 08/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO 15 LL		1	699173	D7UM	ELLE	09/15/25 13:11
Total/NA	Analysis	TO 15 LL	DL	4	699173	D7UM	ELLE	09/15/25 19:02

Client Sample ID: SV-3
Lab Sample ID: 480-232498-3
Date Collected: 08/11/25 17:35
Matrix: Air
Date Received: 08/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO 15 LL		1	699173	D7UM	ELLE	09/15/25 13:39
Total/NA	Analysis	TO 15 LL	DL	10	699173	D7UM	ELLE	09/15/25 19:23

Client Sample ID: SV-4
Lab Sample ID: 480-232498-4
Date Collected: 08/11/25 16:45
Matrix: Air
Date Received: 08/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO 15 LL		1	699173	D7UM	ELLE	09/15/25 18:40
Total/NA	Analysis	TO 15 LL	DL	10	699173	D7UM	ELLE	09/15/25 21:45

Client Sample ID: SV-5
Lab Sample ID: 480-232498-5
Date Collected: 08/11/25 16:50
Matrix: Air
Date Received: 08/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO 15 LL		1	699173	D7UM	ELLE	09/15/25 15:27
Total/NA	Analysis	TO 15 LL	DL	4	699173	D7UM	ELLE	09/15/25 19:45
Total/NA	Analysis	TO 15 LL	DL2	10	699173	D7UM	ELLE	09/15/25 20:06

Client Sample ID: OA
Lab Sample ID: 480-232498-6
Date Collected: 08/11/25 16:55
Matrix: Air
Date Received: 08/14/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO 15 LL		1	699173	D7UM	ELLE	09/15/25 15:57
Total/NA	Analysis	TO 15 LL	DL	2	699173	D7UM	ELLE	09/15/25 20:31

Laboratory References:
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-232498-1
Project/Site: 9 Lakeview Avenue Site,

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-26
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-26
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-26
Connecticut	State	PH-0746	06-30-27
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	07-01-26
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-26
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-26
Massachusetts	State	M-PA009	06-30-26
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	09-15-25
New Jersey	NELAP	PA011	06-30-26
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-26
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	12-31-25
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-26
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-26
Washington	State	C457	04-11-26
West Virginia (DW)	State	9906 C	03-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-232498-1
Project/Site: 9 Lakeview Avenue Site,

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
West Virginia DEP	State	055	07-31-26
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232498-1

Method	Method Description	Protocol	Laboratory
TO 15 LL	Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232498-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-232498-1	SV-1	Air	08/11/25 16:15	08/14/25 09:40	Air Canister (6-Liter) #1406
480-232498-2	SV-2	Air	08/11/25 16:20	08/14/25 09:40	Air Canister (6-Liter) #1770
480-232498-3	SV-3	Air	08/11/25 17:35	08/14/25 09:40	Air Canister (6-Liter) #1631
480-232498-4	SV-4	Air	08/11/25 16:45	08/14/25 09:40	Air Canister (6-Liter) #1179
480-232498-5	SV-5	Air	08/11/25 16:50	08/14/25 09:40	Air Canister (6-Liter) #1507
480-232498-6	OA	Air	08/11/25 16:55	08/14/25 09:40	Air Canister (6-Liter) #888

Quantitation Limit Exceptions Summary

Client: LaBella Associates DPC
Job ID: 480-232498-1
Project/Site: 9 Lakeview Avenue Site,

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
TO 15 LL	1,1,2-Trichlorotrifluoroethane	Air	Total/NA	ug/m3	1.5	1.53
TO 15 LL	1,2,4-Trichlorobenzene	Air	Total/NA	ug/m3	3.7	3.71
TO 15 LL	1,2,4-Trimethylbenzene	Air	Total/NA	ug/m3	0.98	0.983
TO 15 LL	1,2-Dibromoethane	Air	Total/NA	ug/m3	1.5	1.54
TO 15 LL	1,2-Dichloropropane	Air	Total/NA	ug/m3	0.92	0.924
TO 15 LL	1,3,5-Trimethylbenzene	Air	Total/NA	ug/m3	0.98	0.983
TO 15 LL	1,3-Butadiene	Air	Total/NA	ug/m3	0.44	0.442
TO 15 LL	2,2,4-Trimethylpentane	Air	Total/NA	ug/m3	0.93	0.934
TO 15 LL	2-Chlorotoluene	Air	Total/NA	ug/m3	1.0	1.04
TO 15 LL	4-Ethyltoluene	Air	Total/NA	ug/m3	0.98	0.983
TO 15 LL	Benzyl chloride	Air	Total/NA	ug/m3	1.0	1.04
TO 15 LL	Bromodichloromethane	Air	Total/NA	ug/m3	1.3	1.34
TO 15 LL	Chlorobenzene	Air	Total/NA	ug/m3	0.92	0.921
TO 15 LL	Chloroethane	Air	Total/NA	ug/m3	1.3	1.32
TO 15 LL	Chloromethane	Air	Total/NA	ug/m3	1.0	1.03
TO 15 LL	Cumene	Air	Total/NA	ug/m3	0.98	0.983
TO 15 LL	Hexachlorobutadiene	Air	Total/NA	ug/m3	2.1	2.13
TO 15 LL	Isopropyl alcohol	Air	Total/NA	ug/m3	12	12.3
TO 15 LL	Methyl tert-butyl ether	Air	Total/NA	ug/m3	0.72	0.721
TO 15 LL	Methylene Chloride	Air	Total/NA	ug/m3	1.7	1.74
TO 15 LL	N-Propylbenzene	Air	Total/NA	ug/m3	0.98	0.983
TO 15 LL	Styrene	Air	Total/NA	ug/m3	0.85	0.852
TO 15 LL	tert-Butyl alcohol	Air	Total/NA	ug/m3	15	15.2
TO 15 LL	Toluene	Air	Total/NA	ug/m3	0.75	0.754
TO 15 LL	trans-1,2-Dichloroethene	Air	Total/NA	ug/m3	0.79	0.793
TO 15 LL	Trichlorofluoromethane	Air	Total/NA	ug/m3	1.1	1.12

Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # _____ Group # _____ For Eurofins Lancaster Laboratories Environmental use only Sample # _____ Bottle Order (SCR) # 206468

Client Information

Client: LaBella Associates, D.P.C. Account #

Project Name/#: Buffalo Lakeview 2253075

Project Manager: Adam Zebrowski P.O. #: azebrowski@labellapc.com

Sampler: Stephen Campana Quote #: scampana@labellapc.com

Name of state where samples were collected: New York

Turnaround Time Requested (TAT) (circle one)

(Standard) Rush (specify) _____

Data Package Required? (Yes) No

EDD Required? (Yes) No

	Temperature (F) Start	Temperature (F) Stop	Pressure ("Hg) Start	Pressure ("Hg) Stop
Ambient				
Maximum				
Minimum				

Sample Identification	Start Date/Time (24-hour clock)	Stop Date/Time (24-hour clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	Exterior Temp. (F) (Start)	Exterior Temp. (F) (Stop)	Flow Reg. ID	Can ID	Can Size (L)	Controller Flowrate (mL/min)
SV-1	12:15	16:15	-27.92	-7.15	80°	90°	A561009	1406	6	21.5
SV-2	12:20	16:20	-28.22	-7.00	80°	90°	A805018	1770	6	21.3
SV-3	12:35	16:35	-25.97	-10.21	80°	90°	A730002	1631	6	21.4
SV-4	12:45	16:45	-26.89	-4.16	80°	90°	A269001	1179	6	21.1
SV-5	12:50	16:50	-28.75	-8.99	80°	90°	A101012	1507	6	21.0
OA	12:55	16:55	-27.48	-8.97	80°	90°	A908011	888	6	21.4

Analyses Requested

EPA TO - 15	EPA 18	☐ MTBE	☐ BTEX	EPA 25 (select range below)	Helium as tracer	O2/CO2	Library Search
X							
X							
X							
X							
X							
X							

EPA 25 (check one)

☐ C1 - C4 ☐ C2 - C10

☐ C1 - C10 ☐ C4 - C10 (GRO)

☐ C2 - C4

Instructions/QC Requirements & Comments

Exterior samples

Canisters Shipped by:	Date/Time:	Canisters Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time:
WG 113372	7/11 5:15	Stephen Campana	7/11	Stephen Campana	8/11 1845		
Relinquished by:	Date/Time:	Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time: 08/14/25 0940

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The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

7058 1015

480-232498 Chain of Custody

Summa Canister Field Test Data/Chain of Custody

Environmental

For Eurofins Lancaster Laboratories Environmental use only

Group # _____ Sample # _____ Bottle Order (SCR) # 206468

Client Information

Client: La Bella Associates, D.P.C. Account #

Project Name/#: Buffalo Lakeview 2253075

Project Manager: Adam Zebrowski P.O. #: azebrowski@labellapc.com

Sampler: Stephen Campana Quote #: scampana@labellapc.com

Name of state where samples were collected: New York

Turnaround Time Requested (TAT) (circle one)

(Standard) Rush (specify) _____

Data Package Required? (Yes) No

EDD Required? (Yes) No

	Temperature (F)		Pressure ("Hg)	
	Start	Stop	Start	Stop
Ambient				
Maximum				
Minimum				

Analyses Requested

EPA TO - 15 ☒ | EPA 18 ☐ MTBE ☐ BTEX | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search

Sample Identification	Start Date/Time (24-hour clock)	Stop Date/Time (24-hour clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	Exterior Temp. (F) (Start)	Exterior Temp. (F) (Stop)	Flow Reg. ID	Can ID	Can Size (L)	Controller Flowrate (mL/min)
SV-1	12:15	16:15	-27.92	-7.15	80°	90°	A561009	1406	6	21.5
SV-2	12:20	16:20	-28.22	-7.00	80°	90°	A805018	1770	6	21.3
SV-3	12:35	16:35	-25.97	-10.21	80°	90°	A730002	1631	6	21.4
SV-4	12:45	16:45	-26.89	-4.16	80°	90°	A269001	1179	6	21.1
SV-5	12:50	16:56	-28.75	-8.99	80°	90°	A101012	1507	6	21.0
OA	12:55	16:55	-27.48	-8.97	80°	90°	A908011	888	6	21.4

Instructions/QC Requirements & Comments

Exterior samples

EPA 25 (check one) ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ C2 - C4

Canisters Shipped by:	Date/Time:	Canisters Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time:
WG 113372	7/11 5:15	Stephen Campana	7/11	Stephen Campana	8/11 1845		
Relinquished by:	Date/Time:	Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time: 08/14/25 0940

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The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

7056 1015 CB

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-232498-1

Login Number: 232498
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	dates of collection not listed
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	labelle
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-232498-1

Login Number: 232498
List Number: 2
Creator: Burkholder, Conrad

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 09/13/25 09:24 AM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	N/A	
Cooler Temperature is recorded.	False	Thermal preservation not required.
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-227497-1

SDG No.:

Client Sample ID: 1360 Lab Sample ID: 410-227497-1

Matrix: Air Lab File ID: 5U16X41.D

Analysis Method: TO-15 Date Collected: 06/08/2025 13:21

Sample wt/vol: 200(mL) Date Analyzed: 06/18/2025 11:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 30m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 658275 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP22820

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND	*+	1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	0.36	J	1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	1.4	J	5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-227497-1

SDG No.:

Client Sample ID: 1360 Lab Sample ID: 410-227497-1

Matrix: Air Lab File ID: 5U16X41.D

Analysis Method: TO-15 Date Collected: 06/08/2025 13:21

Sample wt/vol: 200(mL) Date Analyzed: 06/18/2025 11:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 30m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 658275 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP22820

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-227497-1

SDG No.:

Client Sample ID: 1360 Lab Sample ID: 410-227497-1

Matrix: Air Lab File ID: 5U16X41.D

Analysis Method: TO-15 Date Collected: 06/08/2025 13:21

Sample wt/vol: 200(mL) Date Analyzed: 06/18/2025 11:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 30m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 658275 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP22820

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND	*+	5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-227497-1

SDG No.:

Client Sample ID: 1360 Lab Sample ID: 410-227497-1

Matrix: Air Lab File ID: 5U16X41.D

Analysis Method: TO-15 Date Collected: 06/08/2025 13:21

Sample wt/vol: 200(mL) Date Analyzed: 06/18/2025 11:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 30m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 658275 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP22820

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20250616-150539.b\5U16X41.D				
Lims ID:	410-227497-A-1				
Client ID:	1360				
Sample Type:	Client				
Inject. Date:	18-Jun-2025 11:26:13	ALS Bottle#:	8	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	cc1360				
Misc. Info.:	410-0150539-016				
Operator ID:	sn105465	Instrument ID:	HP22820		
Method:	\\chromfs\Lancaster\ChromData\HP22820\20250616-150539.b\AirMS_TO15_HP22820.m				
Limit Group:	MSV - TO15				
Last Update:	20-Jun-2025 11:32:04	Calib Date:	02-Jun-2025 22:06:19		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP22820\20250602-149014.b\5U02X10.D				
Column 1 :	DB-624 30m .25mm (0.25 mm)		Det: MS Quad		
Process Host:	CTX1697				
First Level Reviewer: D7UM		Date:	20-Jun-2025 10:57:29		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.658	3.622	0.036	93	25636	1.41	
20 Carbon disulfide	76	3.794	3.773	0.021	77	4144	0.0676	
36 2-Butanone (MEK)	43	5.922	5.886	0.036	89	7196	0.3579	
* 39 Chlorobromomethane (IS)	130	6.108	6.101	0.007	77	138022	10.0	
* 51 1,4-Difluorobenzene	114	7.060	7.060	0.000	92	593577	10.0	
* 72 Chlorobenzene-d5 (IS)	117	9.410	9.410	0.000	81	612124	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00490 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 20-Jun-2025 11:32:19 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20250616-150539.b\5U16X41.D

Injection Date: 18-Jun-2025 11:26:13 Instrument ID: HP22820

Lims ID: 410-227497-A-1 Lab Sample ID: 410-227497-1

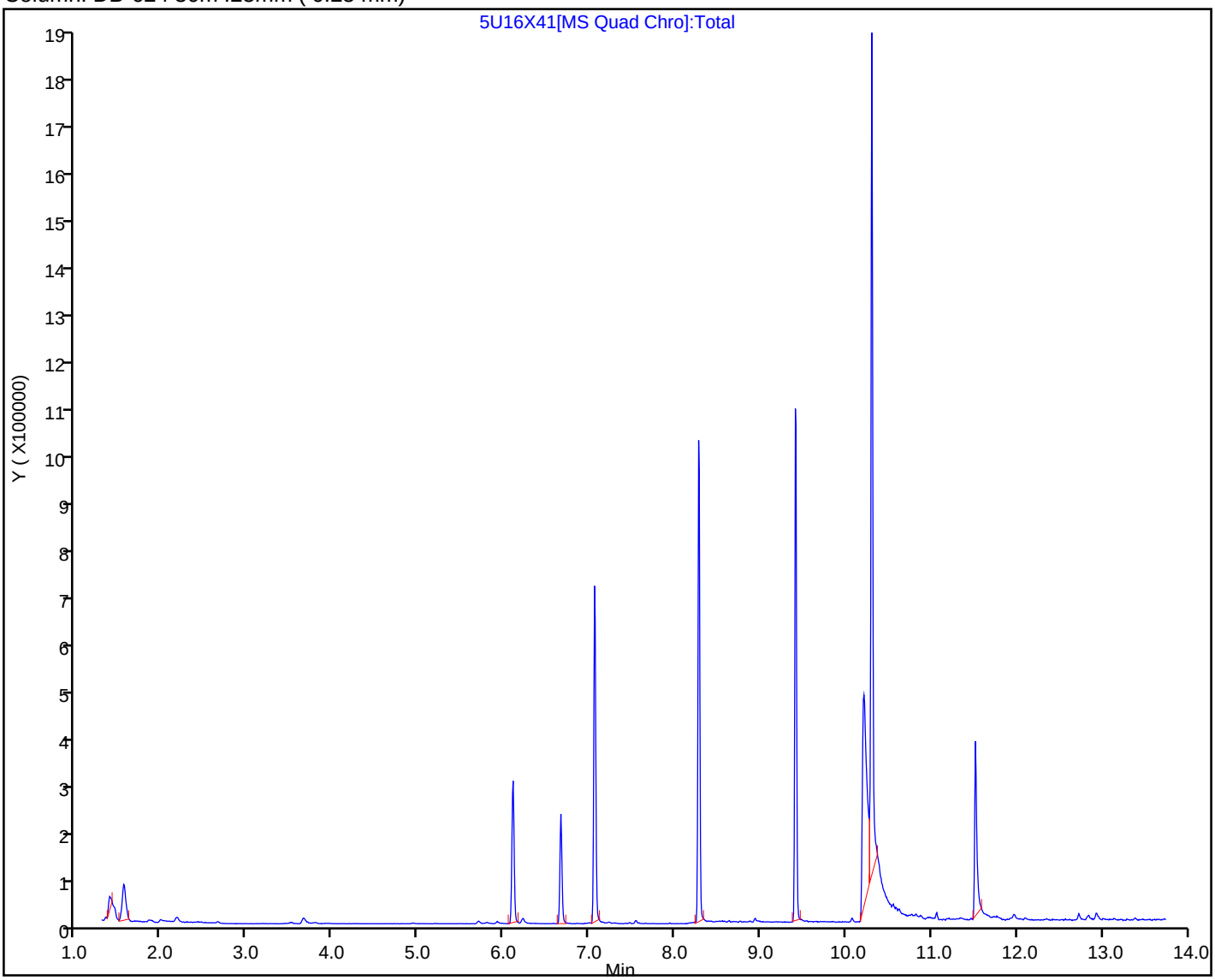
Client ID: 1360

Operator ID: sn105465 ALS Bottle#: 8 Worklist Smp#: 16

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

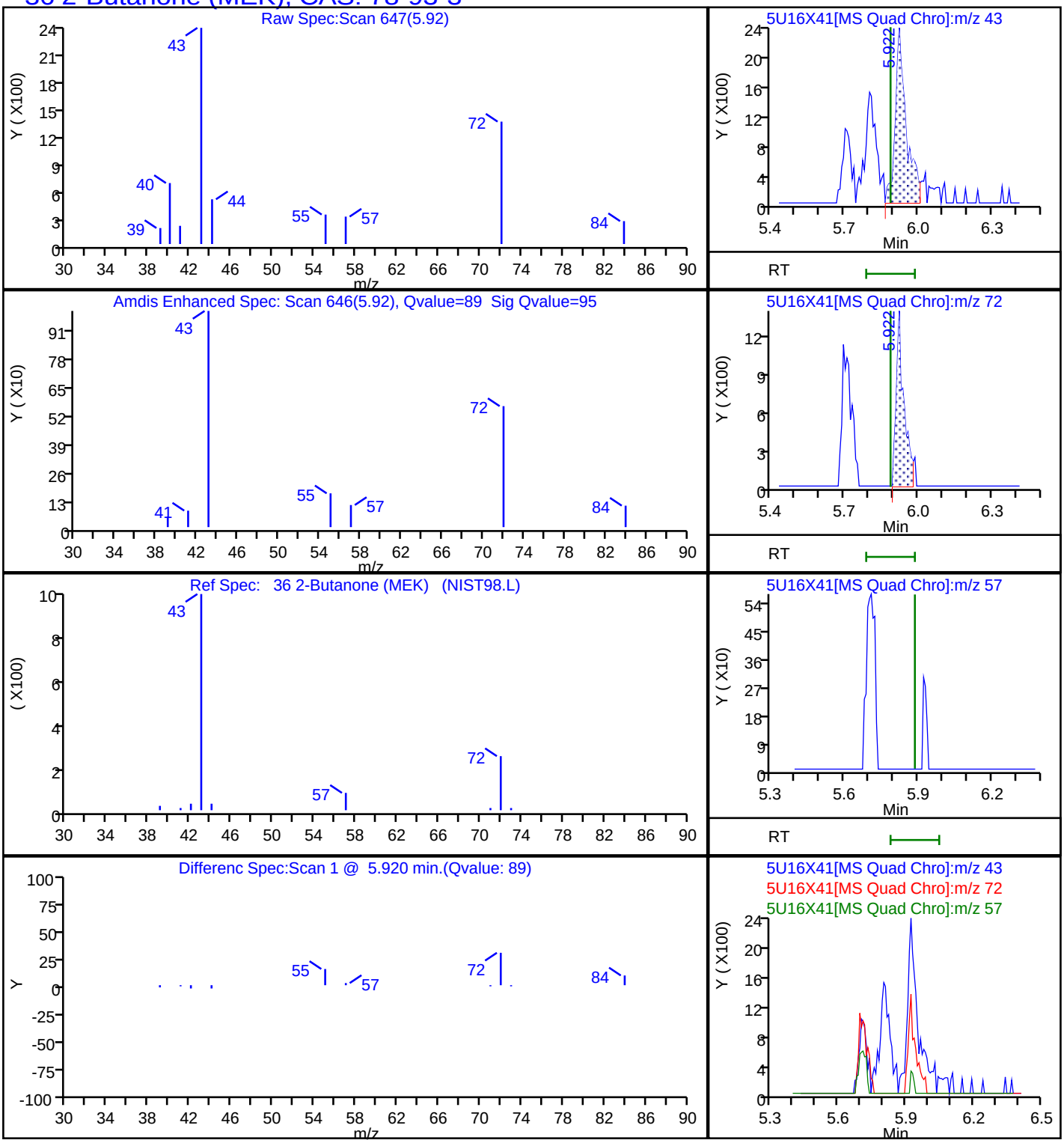


Report Date: 20-Jun-2025 11:32:19 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20250616-150539.b\5U16X41.D				
Injection Date:	18-Jun-2025 11:26:13	Instrument ID:	HP22820		
Lims ID:	410-227497-A-1	Lab Sample ID:	410-227497-1		
Client ID:	1360				
Operator ID:	sn105465	ALS Bottle#:	8	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

36 2-Butanone (MEK), CAS: 78-93-3

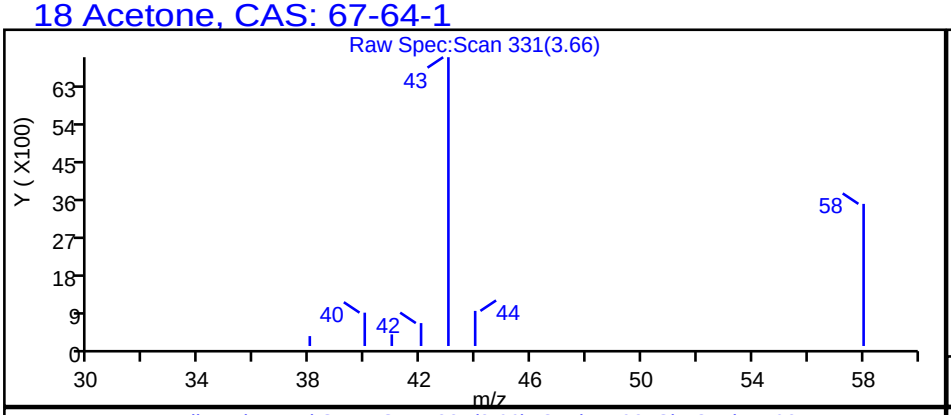


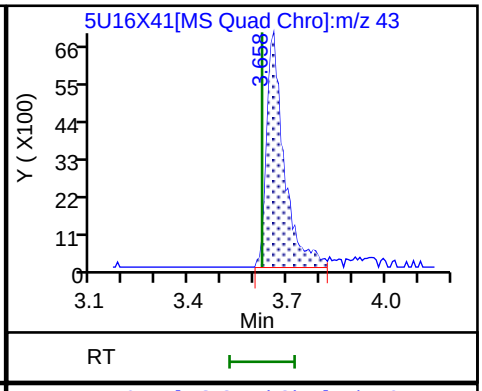
Report Date: 20-Jun-2025 11:32:19 Chrom Revision: 2.3 14-Jun-2025 12:06:34

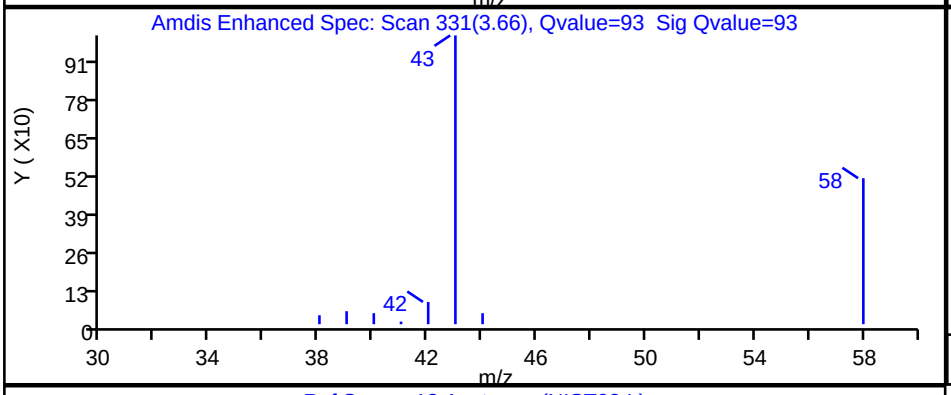
Eurofins Lancaster Laboratories Environment Testing, LLC

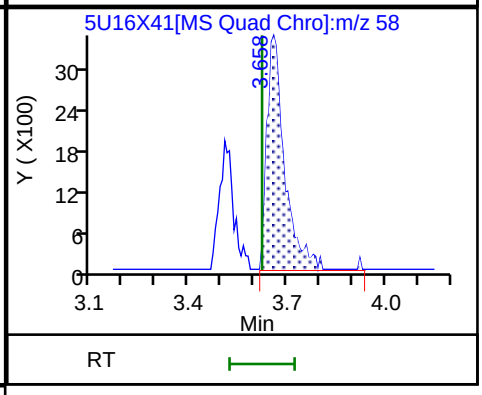
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Injection Date:	18-Jun-2025 11:26:13	Instrument ID:	HP22820		
Lims ID:	410-227497-A-1	Lab Sample ID:	410-227497-1		
Client ID:	1360				
Operator ID:	sn105465	ALS Bottle#:	8	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

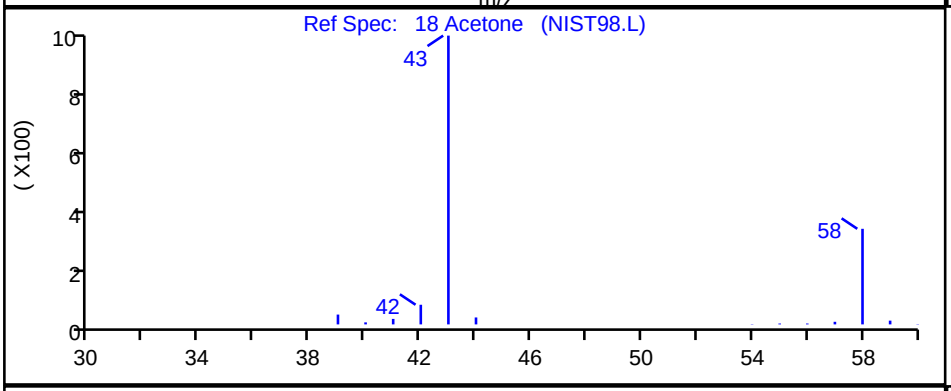
18 Acetone, CAS: 67-64-1

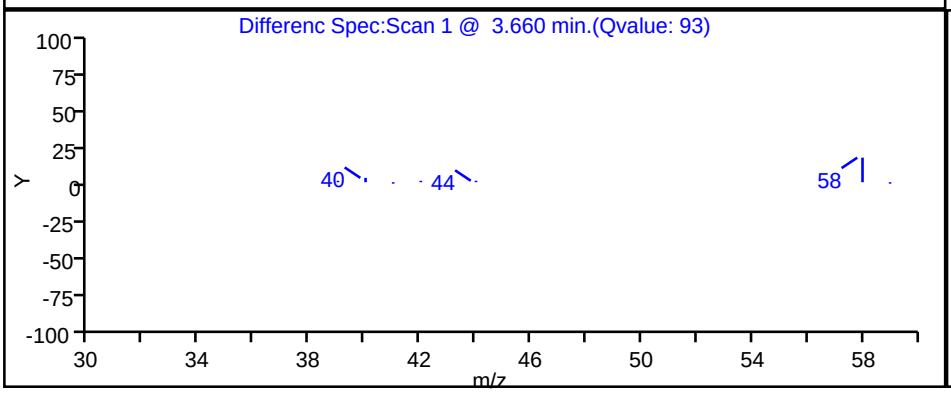


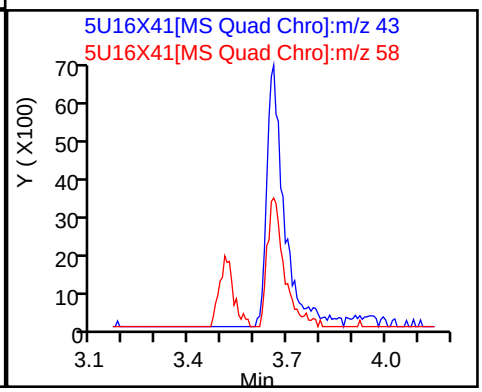












Summa Canister Dilution Worksheet

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job No.: 480-232498-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
480-232498-1	6	-10.8	0.64	3.83	8.8	1.60	9.59		2.50	2.50		09/14/25 20:41	JXC9
480-232498-2	6	-4.66	0.84	5.07	9.92	1.67	10.05		1.98	1.98		09/14/25 20:41	JXC9
480-232498-3	6	-7.9	0.74	4.42	6.74	1.46	8.75		1.98	1.98		09/14/25 20:41	JXC9
480-232498-4	6	-9.8	0.67	4.03	9.7	1.66	9.96		2.47	2.47		09/14/25 20:42	JXC9
480-232498-5	6	-8.99	0.70	4.20	5.79	1.39	8.36		1.99	1.99		09/14/25 20:43	JXC9
480-232498-6	6	-10.2	0.66	3.95	9.5	1.65	9.88		2.50	2.50		09/14/25 20:43	JXC9

Formulae:

Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg
Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig)* Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Adam Zebrowski
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 10/7/2025 4:28:14 AM

JOB DESCRIPTION

9 Lakeview Avenue Site,

JOB NUMBER

480-232987-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
10/7/2025 4:28:14 AM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
^5+	Linear Range Check (LRC) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-232987-1

Receipt
The sample was received on 9/25/2025 5:54 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 9.8º C.

GC/MS VOA
Method 8260C: The following sample was analyzed using medium level soil analysis due to the nature of the sample matrix: SS-6 (480-232987-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 758363 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:SS-6 (480-232987-1).

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 758363 was outside the method criteria for the following analyte(s): Naphthalene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The following sample was diluted due to color, appearance, and viscosity: SS-6 (480-232987-1). Elevated reporting limits (RL) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010D: The linear range check (LRC) standard recovery associated with 480-758327 is outside the acceptance criteria for the following analytes:Silver, Sodium and Nickel. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method 3546: The following sample required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SS-6 (480-232987-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232987-1

Client Sample ID: SS-6

Lab Sample ID: 480-232987-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	230		53	15	ug/Kg	1	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	100		53	16	ug/Kg	1	☼	8260C	Total/NA
Benzene	26	J	53	10	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	160		53	12	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	110		53	15	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	20	J	53	7.9	ug/Kg	1	☼	8260C	Total/NA
Methyl acetate	650		260	25	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	420		53	25	ug/Kg	1	☼	8260C	Total/NA
m,p-Xylene	550		110	29	ug/Kg	1	☼	8260C	Total/NA
Naphthalene	160		53	18	ug/Kg	1	☼	8260C	Total/NA
n-Butylbenzene	33	J	53	15	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	51	J	53	14	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	260		53	6.8	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	100		53	7.1	ug/Kg	1	☼	8260C	Total/NA
Toluene	410		53	14	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	810		110	29	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	370	J	1900	290	ug/Kg	10	☼	8270D	Total/NA
Acenaphthene	340	J	1900	340	ug/Kg	10	☼	8270D	Total/NA
Anthracene	850	J	1900	340	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	2100		1900	260	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	1800	J	1900	320	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	2900		1900	250	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1400	J	1900	320	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	960	J	1900	420	ug/Kg	10	☼	8270D	Total/NA
Chrysene	2400		1900	450	ug/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	400	J	1900	370	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	3900		1900	340	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1100	J	1900	280	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	2600		1900	350	ug/Kg	10	☼	8270D	Total/NA
Pyrene	3300		1900	350	ug/Kg	10	☼	8270D	Total/NA
4,4'-DDD	15	J	74	14	ug/Kg	20	☼	8081B	Total/NA
4,4'-DDE	17	J	74	15	ug/Kg	20	☼	8081B	Total/NA
4,4'-DDT	29	J	74	17	ug/Kg	20	☼	8081B	Total/NA
PCB-1260	0.13	J	0.22	0.10	mg/Kg	1	☼	8082A	Total/NA
Perfluoropentanoic acid (PFPeA)	0.29		0.20	0.098	ng/g	1	☼	1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	0.16	J	0.20	0.098	ng/g	1	☼	1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.13	J	0.20	0.098	ng/g	1	☼	1633A	Total/NA
Perfluorooctanoic acid (PFOA)	0.22		0.20	0.059	ng/g	1	☼	1633A	Total/NA
Perfluorononanoic acid (PFNA)	0.16	J	0.20	0.098	ng/g	1	☼	1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.21		0.20	0.059	ng/g	1	☼	1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.16	J	0.20	0.098	ng/g	1	☼	1633A	Total/NA
Perfluorododecanoic acid (PFDoA)	0.13	J	0.20	0.098	ng/g	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.85		0.20	0.098	ng/g	1	☼	1633A	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.12	J	0.20	0.098	ng/g	1	☼	1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.22	J	0.39	0.20	ng/g	1	☼	1633A	Total/NA
Aluminum	9080		11.6	10	mg/Kg	1	☼	6010D	Total/NA
Antimony	1.0	J	17.3	0.61	mg/Kg	1	☼	6010D	Total/NA
Arsenic	4.7		2.3	1.0	mg/Kg	1	☼	6010D	Total/NA
Barium	125		0.58	0.16	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.96		0.23	0.046	mg/Kg	1	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: SS-6 (Continued)

Lab Sample ID: 480-232987-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	1.2		0.23	0.081	mg/Kg	1	☼	6010D	Total/NA
Calcium	51600		57.8	31.2	mg/Kg	1	☼	6010D	Total/NA
Chromium	445		0.58	0.42	mg/Kg	1	☼	6010D	Total/NA
Cobalt	5.1		0.58	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	132		1.2	0.66	mg/Kg	1	☼	6010D	Total/NA
Iron	33900		11.6	9.8	mg/Kg	1	☼	6010D	Total/NA
Lead	196		1.2	0.53	mg/Kg	1	☼	6010D	Total/NA
Magnesium	10100		23.1	9.8	mg/Kg	1	☼	6010D	Total/NA
Manganese	8990		11.6	3.2	mg/Kg	10	☼	6010D	Total/NA
Nickel	39.1	^5-	5.8	0.29	mg/Kg	1	☼	6010D	Total/NA
Potassium	1130		34.7	28.0	mg/Kg	1	☼	6010D	Total/NA
Silver	0.79	^5-	0.69	0.23	mg/Kg	1	☼	6010D	Total/NA
Sodium	257	^5+	162	70.9	mg/Kg	1	☼	6010D	Total/NA
Thallium	0.92	J	6.9	0.88	mg/Kg	1	☼	6010D	Total/NA
Vanadium	44.9		0.58	0.15	mg/Kg	1	☼	6010D	Total/NA
Zinc	259	B	2.3	1.2	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.098		0.022	0.0050	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	445		1.5	0.63	mg/Kg	1	☼	SM 3500 CR D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232987-1

Client Sample ID: SS-6
Date Collected: 09/25/25 08:00
Date Received: 09/25/25 17:54

Lab Sample ID: 480-232987-1
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		53	15	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
1,1,2,2-Tetrachloroethane	ND		53	8.6	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		53	26	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
1,1,2-Trichloroethane	ND		53	11	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
1,1-Dichloroethane	ND		53	16	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
1,1-Dichloroethene	ND		53	18	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
1,2,4-Trichlorobenzene	ND		53	20	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
1,2,4-Trimethylbenzene	**230**		53	15	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
1,2-Dibromo-3-Chloropropane	ND		53	26	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
1,2-Dichlorobenzene	ND		53	13	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
1,2-Dichloroethane	ND		53	22	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
1,2-Dichloropropane	ND		53	8.5	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
1,3,5-Trimethylbenzene	**100**		53	16	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
1,3-Dichlorobenzene	ND		53	14	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
1,4-Dichlorobenzene	ND		53	7.4	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
2-Butanone (MEK)	ND		260	160	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
2-Hexanone	ND		260	110	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
4-Isopropyltoluene	ND		53	18	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
4-Methyl-2-pentanone (MIBK)	ND		260	17	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Acetone	ND		260	220	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Benzene	**26**	**J**	53	10	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Bromoform	ND		53	26	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Bromomethane	ND		53	12	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Carbon disulfide	ND		53	24	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Carbon tetrachloride	ND		53	13	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Chlorobenzene	ND		53	7.0	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Dibromochloromethane	ND		53	25	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Chloroethane	ND		53	11	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Chloroform	ND		53	36	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Chloromethane	ND		53	13	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
cis-1,2-Dichloroethene	ND		53	15	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Cyclohexane	**160**		53	12	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Bromodichloromethane	ND		53	11	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Dichlorodifluoromethane	ND		53	23	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Ethylbenzene	**110**		53	15	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
1,2-Dibromoethane	ND		53	9.2	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Isopropylbenzene	**20**	**J**	53	7.9	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Methyl acetate	**650**		260	25	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Methyl tert-butyl ether	ND		53	20	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Methylcyclohexane	**420**		53	25	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Methylene Chloride	ND		53	10	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
m,p-Xylene	**550**		110	29	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Naphthalene	**160**		53	18	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
n-Butylbenzene	**33**	**J**	53	15	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
N-Propylbenzene	**51**	**J**	53	14	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
o-Xylene	**260**		53	6.8	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
sec-Butylbenzene	ND		53	19	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Tetrachloroethene	**100**		53	7.1	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Toluene	**410**		53	14	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232987-1

Client Sample ID: SS-6
Date Collected: 09/25/25 08:00
Date Received: 09/25/25 17:54

Lab Sample ID: 480-232987-1
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		53	12	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
trans-1,3-Dichloropropene	ND		53	5.2	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Trichloroethene	ND		53	15	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Trichlorofluoromethane	ND		53	25	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Vinyl chloride	ND		53	18	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Xylenes, Total	**810**		110	29	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
cis-1,3-Dichloropropene	ND		53	13	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
Styrene	ND		53	13	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1
tert-Butylbenzene	ND		53	15	ug/Kg	☼	09/30/25 09:55	09/30/25 14:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*270*	*T H J*	*ug/Kg*	☼	*9.06*	*N/A*	*09/30/25 09:55*	*09/30/25 14:51*	*1*
Benzene, 1-ethyl-3-methyl-	*340*	*T H J N*	*ug/Kg*	☼	*9.21*	*620-14-4*	*09/30/25 09:55*	*09/30/25 14:51*	*1*
Benzene, 1-methyl-3-propyl-	*180*	*T H J N*	*ug/Kg*	☼	*10.35*	*1074-43-7*	*09/30/25 09:55*	*09/30/25 14:51*	*1*
Naphthalene, 1-methyl-	*210*	*T H J N*	*ug/Kg*	☼	*13.02*	*90-12-0*	*09/30/25 09:55*	*09/30/25 14:51*	*1*
Benzocycloheptatriene	*140*	*T H J N*	*ug/Kg*	☼	*13.18*	*264-09-5*	*09/30/25 09:55*	*09/30/25 14:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*	*09/30/25 09:55*	*09/30/25 14:51*	*1*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*	*09/30/25 09:55*	*09/30/25 14:51*	*1*
Toluene-d8 (Surr)	*98*		*50 - 149*	*09/30/25 09:55*	*09/30/25 14:51*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*09/30/25 09:55*	*09/30/25 14:51*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1100	410	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
2,4,5-Trichlorophenol	ND		1900	380	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
2,4,6-Trichlorophenol	ND		1900	280	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
2,4-Dichlorophenol	ND		1900	360	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
2,4-Dimethylphenol	ND		1900	390	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
2,4-Dinitrophenol	ND		18000	350	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
2,4-Dinitrotoluene	ND		1900	250	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
2,6-Dinitrotoluene	ND		1900	270	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
2-Chloronaphthalene	ND		1900	350	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
2-Chlorophenol	ND		1900	290	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
2-Methylnaphthalene	**370**	**J**	1900	290	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
2-Methylphenol	ND		1900	300	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
2-Nitroaniline	ND		3600	310	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
2-Nitrophenol	ND		1900	210	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
3,3'-Dichlorobenzidine	ND		3600	540	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
3-Nitroaniline	ND		3600	260	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
4,6-Dinitro-2-methylphenol	ND		3600	410	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
4-Bromophenyl phenyl ether	ND		1900	310	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
4-Chloro-3-methylphenol	ND		1900	380	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
4-Chloroaniline	ND		1900	270	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
4-Chlorophenyl phenyl ether	ND		1900	390	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
4-Methylphenol	ND		3600	330	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
4-Nitroaniline	ND		3600	270	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
4-Nitrophenol	ND		3600	510	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Acenaphthene	**340**	**J**	1900	340	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10

Client: LaBella Associates DPC
Job ID: 480-232987-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SS-6
Lab Sample ID: 480-232987-1
Date Collected: 09/25/25 08:00
Matrix: Solid
Date Received: 09/25/25 17:54
Percent Solids: 89.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		1900	360	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Acetophenone	ND		1900	330	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Anthracene	**850**	**J**	1900	340	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Atrazine	ND		1900	630	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Benzaldehyde	ND		1900	1400	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Benzo[a]anthracene	**2100**		1900	260	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Benzo[a]pyrene	**1800**	**J**	1900	320	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Benzo[b]fluoranthene	**2900**		1900	250	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Benzo[g,h,i]perylene	**1400**	**J**	1900	320	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Benzo[k]fluoranthene	**960**	**J**	1900	420	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Biphenyl	ND		1900	350	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
bis (2-chloroisopropyl) ether	ND		1900	380	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Bis(2-chloroethoxy)methane	ND		1900	350	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Bis(2-chloroethyl)ether	ND		1900	350	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Bis(2-ethylhexyl) phthalate	ND		1900	400	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Butyl benzyl phthalate	ND		1900	340	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Caprolactam	ND		1900	430	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Carbazole	ND		1900	360	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Chrysene	**2400**		1900	450	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Dibenz(a,h)anthracene	**400**	**J**	1900	370	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Dibenzofuran	ND		1900	330	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Diethyl phthalate	ND		1900	330	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Dimethyl phthalate	ND		1900	360	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Di-n-butyl phthalate	ND		1900	420	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Di-n-octyl phthalate	ND		1900	350	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Fluoranthene	**3900**		1900	340	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Fluorene	ND		1900	340	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Hexachlorobenzene	ND		1900	360	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Hexachlorobutadiene	ND		1900	280	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Hexachlorocyclopentadiene	ND		3600	810	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Hexachloroethane	ND		1900	340	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Indeno[1,2,3-cd]pyrene	**1100**	**J**	1900	280	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Isophorone	ND		1900	380	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Naphthalene	ND		1900	310	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Nitrobenzene	ND		1900	310	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
N-Nitrosodi-n-propylamine	ND		1900	420	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
N-Nitrosodiphenylamine	ND		1900	310	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Pentachlorophenol	ND		3600	590	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Phenanthrene	**2600**		1900	350	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Phenol	ND		1900	340	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10
Pyrene	**3300**		1900	350	ug/Kg	☼	09/29/25 09:35	09/30/25 20:22	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*09/29/25 09:35*	*09/30/25 20:22*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*10 - 140*	*09/29/25 09:35*	*09/30/25 20:22*	*10*
2-Fluorobiphenyl (Surr)	*82*		*29 - 120*	*09/29/25 09:35*	*09/30/25 20:22*	*10*
2-Fluorophenol (Surr)	*92*		*18 - 120*	*09/29/25 09:35*	*09/30/25 20:22*	*10*
Nitrobenzene-d5 (Surr)	*67*		*22 - 120*	*09/29/25 09:35*	*09/30/25 20:22*	*10*

Client Sample ID: SS-6
Lab Sample ID: 480-232987-1
Date Collected: 09/25/25 08:00
Matrix: Solid
Date Received: 09/25/25 17:54
Percent Solids: 89.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	*73*		*23 - 120*	*09/29/25 09:35*	*09/30/25 20:22*	*10*
p-Terphenyl-d14 (Surr)	*82*		*28 - 124*	*09/29/25 09:35*	*09/30/25 20:22*	*10*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**15**	**J**	74	14	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
4,4'-DDE	**17**	**J**	74	15	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
4,4'-DDT	**29**	**J**	74	17	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
Aldrin	ND		74	18	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
alpha-BHC	ND		74	13	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
cis-Chlordane	ND		74	37	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
beta-BHC	ND		74	13	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
delta-BHC	ND		74	14	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
Dieldrin	ND		74	18	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
Endosulfan I	ND		74	14	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
Endosulfan II	ND		74	13	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
Endosulfan sulfate	ND		74	14	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
Endrin	ND		74	15	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
Endrin aldehyde	ND		74	19	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
Endrin ketone	ND		74	18	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
gamma-BHC (Lindane)	ND		74	13	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
trans-Chlordane	ND		74	23	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
Heptachlor	ND		74	16	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
Heptachlor epoxide	ND		74	19	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
Methoxychlor	ND		74	15	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20
Toxaphene	ND		740	430	ug/Kg	☼	09/30/25 06:36	10/01/25 14:20	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*155*	*S1+*	*45 - 120*	*09/30/25 06:36*	*10/01/25 14:20*	*20*
DCB Decachlorobiphenyl	*252*	*S1+*	*45 - 120*	*09/30/25 06:36*	*10/01/25 14:20*	*20*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 124*	*09/30/25 06:36*	*10/01/25 14:20*	*20*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 124*	*09/30/25 06:36*	*10/01/25 14:20*	*20*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.043	mg/Kg	☼	09/30/25 06:54	09/30/25 22:21	1
PCB-1221	ND		0.22	0.043	mg/Kg	☼	09/30/25 06:54	09/30/25 22:21	1
PCB-1232	ND		0.22	0.043	mg/Kg	☼	09/30/25 06:54	09/30/25 22:21	1
PCB-1242	ND		0.22	0.043	mg/Kg	☼	09/30/25 06:54	09/30/25 22:21	1
PCB-1248	ND		0.22	0.043	mg/Kg	☼	09/30/25 06:54	09/30/25 22:21	1
PCB-1254	ND		0.22	0.10	mg/Kg	☼	09/30/25 06:54	09/30/25 22:21	1
PCB-1260	**0.13**	**J**	0.22	0.10	mg/Kg	☼	09/30/25 06:54	09/30/25 22:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*119*		*60 - 154*	*09/30/25 06:54*	*09/30/25 22:21*	*1*
Tetrachloro-m-xylene	*126*		*60 - 154*	*09/30/25 06:54*	*09/30/25 22:21*	*1*
DCB Decachlorobiphenyl	*123*		*65 - 174*	*09/30/25 06:54*	*09/30/25 22:21*	*1*
DCB Decachlorobiphenyl	*128*		*65 - 174*	*09/30/25 06:54*	*09/30/25 22:21*	*1*

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232987-1

Client Sample ID: SS-6
Date Collected: 09/25/25 08:00
Date Received: 09/25/25 17:54

Lab Sample ID: 480-232987-1
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		18	5.9	ug/Kg	☼	09/30/25 06:43	10/02/25 14:57	1
Silvex (2,4,5-TP)	ND		18	6.6	ug/Kg	☼	09/30/25 06:43	10/02/25 14:57	1
2,4-D	ND		18	12	ug/Kg	☼	09/30/25 06:43	10/02/25 14:57	1
Dichlorprop	ND		18	9.2	ug/Kg	☼	09/30/25 06:43	10/02/25 14:57	1
Pentachlorophenol	ND		18	6.0	ug/Kg	☼	09/30/25 06:43	10/02/25 14:57	1
Picloram	ND		18	7.9	ug/Kg	☼	09/30/25 06:43	10/02/25 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*65*		*28 - 129*	*09/30/25 06:43*	*10/02/25 14:57*	*1*
2,4-Dichlorophenylacetic acid	*73*		*28 - 129*	*09/30/25 06:43*	*10/02/25 14:57*	*1*

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.39	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluoropentanoic acid (PFPeA)	**0.29**		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluorohexanoic acid (PFHxA)	**0.16**	**J**	0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluoroheptanoic acid (PFHpA)	**0.13**	**J**	0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluorooctanoic acid (PFOA)	**0.22**		0.20	0.059	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluorononanoic acid (PFNA)	**0.16**	**J**	0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluorodecanoic acid (PFDA)	**0.21**		0.20	0.059	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluoroundecanoic acid (PFUnA)	**0.16**	**J**	0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluorododecanoic acid (PFDoA)	**0.13**	**J**	0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluorooctanesulfonic acid (PFOS)	**0.85**		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluorodecanesulfonic acid (PFDS)	**0.12**	**J**	0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.39	0.20	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	**0.22**	**J**	0.39	0.20	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.39	0.20	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232987-1

Client Sample ID: SS-6
Date Collected: 09/25/25 08:00
Date Received: 09/25/25 17:54

Lab Sample ID: 480-232987-1
Matrix: Solid
Percent Solids: 89.9

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.98	0.49	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.98	0.49	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.098	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.39	0.20	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.98	0.49	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.98	0.49	ng/g	☼	10/04/25 05:38	10/05/25 04:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*110*		*8 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C5 PFPeA	*96.0*		*35 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C5 PFHxA	*95.8*		*40 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C4 PFHpA	*98.1*		*40 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C8 PFOA	*98.0*		*40 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C9 PFNA	*108*		*40 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C6 PFDA	*95.6*		*40 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C7 PFUnA	*103*		*40 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C2 PFTeDA	*85.2*		*20 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C3 PFBS	*110*		*40 - 135*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C3 PFHxS	*101*		*40 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C8 PFOS	*101*		*40 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C8 FOSA	*101*		*40 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
d3-NMeFOSAA	*110*		*40 - 135*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
d5-NEtFOSAA	*118*		*40 - 150*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C2 4:2 FTS	*268*	*5+	*40 - 165*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C2 6:2 FTS	*246*	*5+	*40 - 215*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C2 8:2 FTS	*209*		*40 - 275*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C3 HFPO-DA	*90.8*		*40 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
d7-N-MeFOSE-M	*70.1*		*20 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
d9-N-EtFOSE-M	*50.5*		*15 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
d5-NEtPFOSA	*80.7*		*10 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
d3-NMePFOSA	*85.7*		*10 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*
13C2 PFDoA	*95.8*		*40 - 130*	*10/04/25 05:38*	*10/05/25 04:08*	*1*

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232987-1

Client Sample ID: SS-6
Date Collected: 09/25/25 08:00
Date Received: 09/25/25 17:54

Lab Sample ID: 480-232987-1
Matrix: Solid
Percent Solids: 89.9

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9080		11.6	10	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Antimony	1.0	J	17.3	0.61	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Arsenic	4.7		2.3	1.0	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Barium	125		0.58	0.16	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Beryllium	0.96		0.23	0.046	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Cadmium	1.2		0.23	0.081	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Calcium	51600		57.8	31.2	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Chromium	445		0.58	0.42	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Cobalt	5.1		0.58	0.12	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Copper	132		1.2	0.66	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Iron	33900		11.6	9.8	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Lead	196		1.2	0.53	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Magnesium	10100		23.1	9.8	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Manganese	8990		11.6	3.2	mg/Kg	☼	09/29/25 09:20	10/01/25 11:23	10
Nickel	39.1	^5-	5.8	0.29	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Potassium	1130		34.7	28.0	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Selenium	ND		4.6	0.93	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Silver	0.79	^5-	0.69	0.23	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Sodium	257	^5+	162	70.9	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Thallium	0.92	J	6.9	0.88	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Vanadium	44.9		0.58	0.15	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1
Zinc	259	B	2.3	1.2	mg/Kg	☼	09/29/25 09:20	09/29/25 17:14	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.098		0.022	0.0050	mg/Kg	☼	09/29/25 08:42	09/29/25 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		2.3	2.0	mg/Kg	☼	10/01/25 20:38	10/02/25 18:22	5
Cr (III) (SM 3500 CR D)	445		1.5	0.63	mg/Kg	☼		09/30/25 10:52	1

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232987-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-232987-1	SS-6	108	97	98	101
LCS 480-758362/2-A	Lab Control Sample	114	104	104	112
MB 480-758362/1-A	Method Blank	102	102	97	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(10-140)	(29-120)	(18-120)	(22-120)	(23-120)	(28-124)
480-232987-1	SS-6	97	82	92	67	73	82
LCS 480-758263/2-A	Lab Control Sample	94	92	81	86	86	96
MB 480-758263/1-A	Method Blank	82	86	74	75	80	96

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(45-120)	(45-120)	(30-124)	(30-124)
480-232987-1	SS-6	155 S1+	252 S1+	0 S1-	0 S1-
LCS 480-758337/2-A	Lab Control Sample	85	96	70	72
MB 480-758337/1-A	Method Blank	86	106	71	76

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(60-154)	(65-174)	(65-174)
480-232987-1	SS-6	119	126	123	128
LCS 480-758340/2-A	Lab Control Sample	132	143	143	152
MB 480-758340/1-A	Method Blank	125	133	140	141

Surrogate Legend

Surrogate Summary

Client: LaBella Associates DPC
Job ID: 480-232987-1
Project/Site: 9 Lakeview Avenue Site,

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		DCPAA1	DCPAA2								
Lab Sample ID	Client Sample ID	(28-129)	(28-129)								
480-232987-1	SS-6	65	73								
LCS 480-758338/2-A	Lab Control Sample	76	83								
MB 480-758338/1-A	Method Blank	78	81								

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232987-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(8-130)	(35-130)	(40-130)	(40-130)	(40-130)	(40-130)	(40-130)	(40-130)
480-232987-1	SS-6	110	96.0	95.8	98.1	98.0	108	95.6	103
LCS 410-709161/2-A	Lab Control Sample	117	109	109	117	110	111	103	106
LCSD 410-709161/3-A	Lab Control Sample Dup	119	118	114	113	110	107	109	116
LLCS 410-709161/4-A	Lab Control Sample	103	91.4	87.8	92.7	89.1	87.3	85.9	86.3
MB 410-709161/1-A	Method Blank	135 *5+	125	126	131 *5+	120	126	122	117

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(20-130)	(40-135)	(40-130)	(40-130)	(40-130)	(40-135)	(40-150)	(40-165)
480-232987-1	SS-6	85.2	110	101	101	101	110	118	268 *5+
LCS 410-709161/2-A	Lab Control Sample	96.9	121	112	111	97.4	85.8	121	110
LCSD 410-709161/3-A	Lab Control Sample Dup	98.7	122	111	107	94.1	89.1	104	112
LLCS 410-709161/4-A	Lab Control Sample	88.9	80.5	85.3	77.3	69.5	78.1	74.9	91.9
MB 410-709161/1-A	Method Blank	109	141 *5+	126	119	107	98.4	135	130

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoA
Lab Sample ID	Client Sample ID	(40-215)	(40-275)	(40-130)	(20-130)	(15-130)	(10-130)	(10-130)	(40-130)
480-232987-1	SS-6	246 *5+	209	90.8	70.1	50.5	80.7	85.7	95.8
LCS 410-709161/2-A	Lab Control Sample	104	102	107	83.9	66.4	72.1	77.7	101
LCSD 410-709161/3-A	Lab Control Sample Dup	110	99.4	110	70.1	49.6	70.0	77.4	114
LLCS 410-709161/4-A	Lab Control Sample	94.4	132	95.6	55.9	53.2	56.4	60.5	78.3
MB 410-709161/1-A	Method Blank	126	118	131 *5+	83.2	66.9	78.1	86.8	124

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoA = 13C2 PFDoA

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-758362/1-A
Matrix: Solid
Analysis Batch: 758363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
1,1-Dichloroethane	ND		100	31	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
1,1-Dichloroethene	ND		100	35	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
1,2,4-Trimethylbenzene	ND		100	28	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
1,2-Dichloroethane	ND		100	41	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
1,2-Dichloropropane	ND		100	16	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
1,3,5-Trimethylbenzene	ND		100	30	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
2-Butanone (MEK)	ND		500	300	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
2-Hexanone	ND		500	210	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
4-Isopropyltoluene	ND		100	34	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Acetone	ND		500	410	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Benzene	ND		100	19	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Bromoform	ND		100	50	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Bromomethane	ND		100	22	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Carbon disulfide	ND		100	46	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Carbon tetrachloride	ND		100	26	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Chlorobenzene	ND		100	13	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Dibromochloromethane	ND		100	48	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Chloroethane	ND		100	21	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Chloroform	ND		100	69	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Chloromethane	ND		100	24	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Cyclohexane	ND		100	22	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Bromodichloromethane	ND		100	20	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Ethylbenzene	ND		100	29	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
1,2-Dibromoethane	ND		100	18	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Isopropylbenzene	ND		100	15	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Methyl acetate	ND		500	48	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Methylcyclohexane	ND		100	47	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Methylene Chloride	ND		100	20	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
m,p-Xylene	ND		200	55	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Naphthalene	ND		100	34	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
n-Butylbenzene	ND		100	29	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
N-Propylbenzene	ND		100	26	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
o-Xylene	ND		100	13	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
sec-Butylbenzene	ND		100	37	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Tetrachloroethene	ND		100	13	ug/Kg		09/30/25 09:55	09/30/25 13:52	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-758362/1-A
Matrix: Solid
Analysis Batch: 758363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		100	27	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Trichloroethene	ND		100	28	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Trichlorofluoromethane	ND		100	47	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Vinyl chloride	ND		100	34	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Xylenes, Total	ND		200	55	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
Styrene	ND		100	24	ug/Kg		09/30/25 09:55	09/30/25 13:52	1
tert-Butylbenzene	ND		100	28	ug/Kg		09/30/25 09:55	09/30/25 13:52	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*			*N/A*	*09/30/25 09:55*	*09/30/25 13:52*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*09/30/25 09:55*	*09/30/25 13:52*	*1*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*09/30/25 09:55*	*09/30/25 13:52*	*1*
Toluene-d8 (Surr)	*97*		*50 - 149*	*09/30/25 09:55*	*09/30/25 13:52*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*09/30/25 09:55*	*09/30/25 13:52*	*1*

Lab Sample ID: LCS 480-758362/2-A
Matrix: Solid
Analysis Batch: 758363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758362

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2500	2630		ug/Kg		105	68 - 130
1,1,2,2-Tetrachloroethane	2500	2140		ug/Kg		85	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2300		ug/Kg		92	10 - 179
1,1,2-Trichloroethane	2500	2240		ug/Kg		90	80 - 120
1,1-Dichloroethane	2500	2430		ug/Kg		97	78 - 121
1,1-Dichloroethene	2500	2460		ug/Kg		98	48 - 133
1,2,4-Trichlorobenzene	2500	2210		ug/Kg		88	70 - 140
1,2,4-Trimethylbenzene	2500	2260		ug/Kg		90	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2020		ug/Kg		81	56 - 122
1,2-Dichlorobenzene	2500	2250		ug/Kg		90	78 - 125
1,2-Dichloroethane	2500	2560		ug/Kg		102	74 - 127
1,2-Dichloropropane	2500	2370		ug/Kg		95	80 - 120
1,3,5-Trimethylbenzene	2500	2240		ug/Kg		89	79 - 120
1,3-Dichlorobenzene	2500	2240		ug/Kg		89	80 - 120
1,4-Dichlorobenzene	2500	2200		ug/Kg		88	80 - 120
2-Butanone (MEK)	12500	11100		ug/Kg		89	54 - 149
2-Hexanone	12500	11000		ug/Kg		88	59 - 127
4-Isopropyltoluene	2500	2280		ug/Kg		91	80 - 120
4-Methyl-2-pentanone (MIBK)	12500	10500		ug/Kg		84	74 - 120
Acetone	12500	12600		ug/Kg		101	47 - 141
Benzene	2500	2420		ug/Kg		97	77 - 125
Bromoform	2500	2850		ug/Kg		114	48 - 125

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-758362/2-A
Matrix: Solid
Analysis Batch: 758363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758362

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	2500	2720		ug/Kg		109	39 - 149
Carbon disulfide	2500	2430		ug/Kg		97	40 - 136
Carbon tetrachloride	2500	2520		ug/Kg		101	54 - 135
Chlorobenzene	2500	2250		ug/Kg		90	76 - 126
Dibromochloromethane	2500	2510		ug/Kg		100	64 - 120
Chloroethane	2500	2890		ug/Kg		115	23 - 150
Chloroform	2500	2530		ug/Kg		101	78 - 120
Chloromethane	2500	2350		ug/Kg		94	61 - 124
cis-1,2-Dichloroethene	2500	2380		ug/Kg		95	79 - 124
Cyclohexane	2500	2360		ug/Kg		94	49 - 129
Bromodichloromethane	2500	2550		ug/Kg		102	71 - 121
Dichlorodifluoromethane	2500	2360		ug/Kg		94	10 - 150
Ethylbenzene	2500	2290		ug/Kg		92	78 - 124
1,2-Dibromoethane	2500	2140		ug/Kg		86	80 - 120
Isopropylbenzene	2500	2240		ug/Kg		90	76 - 120
Methyl acetate	5000	4740		ug/Kg		95	71 - 123
Methyl tert-butyl ether	2500	2280		ug/Kg		91	67 - 137
Methylcyclohexane	2500	2480		ug/Kg		99	50 - 130
Methylene Chloride	2500	2600		ug/Kg		104	75 - 118
m,p-Xylene	2500	2280		ug/Kg		91	77 - 125
Naphthalene	2500	1980		ug/Kg		79	65 - 142
n-Butylbenzene	2500	2340		ug/Kg		94	80 - 120
N-Propylbenzene	2500	2280		ug/Kg		91	76 - 120
o-Xylene	2500	2270		ug/Kg		91	80 - 124
sec-Butylbenzene	2500	2300		ug/Kg		92	79 - 120
Tetrachloroethene	2500	2380		ug/Kg		95	73 - 133
Toluene	2500	2200		ug/Kg		88	75 - 124
trans-1,2-Dichloroethene	2500	2420		ug/Kg		97	74 - 129
trans-1,3-Dichloropropene	2500	2100		ug/Kg		84	73 - 120
Trichloroethene	2500	2510		ug/Kg		100	75 - 131
Trichlorofluoromethane	2500	3230		ug/Kg		129	29 - 158
Vinyl chloride	2500	2490		ug/Kg		100	59 - 124
cis-1,3-Dichloropropene	2500	2240		ug/Kg		89	75 - 121
Styrene	2500	2260		ug/Kg		91	80 - 120
tert-Butylbenzene	2500	2290		ug/Kg		92	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*114*		*53 - 146*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*
Toluene-d8 (Surr)	*104*		*50 - 149*
Dibromofluoromethane (Surr)	*112*		*60 - 140*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-758263/1-A
Matrix: Solid
Analysis Batch: 758367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		100	37	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
2,4,5-Trichlorophenol	ND		170	34	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
2,4,6-Trichlorophenol	ND		170	26	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
2,4-Dichlorophenol	ND		170	33	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
2,4-Dimethylphenol	ND		170	36	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
2,4-Dinitrophenol	ND		1700	32	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
2,4-Dinitrotoluene	ND		170	23	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
2,6-Dinitrotoluene	ND		170	24	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
2-Chloronaphthalene	ND		170	32	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
2-Chlorophenol	ND		170	27	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
2-Methylnaphthalene	ND		170	27	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
2-Methylphenol	ND		170	27	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
2-Nitroaniline	ND		330	29	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
2-Nitrophenol	ND		170	19	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
3,3'-Dichlorobenzidine	ND		330	50	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
3-Nitroaniline	ND		330	24	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
4,6-Dinitro-2-methylphenol	ND		330	37	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
4-Bromophenyl phenyl ether	ND		170	29	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
4-Chloro-3-methylphenol	ND		170	35	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
4-Chloroaniline	ND		170	24	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
4-Chlorophenyl phenyl ether	ND		170	36	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
4-Methylphenol	ND		330	30	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
4-Nitroaniline	ND		330	25	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
4-Nitrophenol	ND		330	46	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Acenaphthene	ND		170	31	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Acenaphthylene	ND		170	33	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Acetophenone	ND		170	30	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Anthracene	ND		170	31	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Atrazine	ND		170	57	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Benzaldehyde	ND		170	130	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Benzo[a]anthracene	ND		170	23	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Benzo[a]pyrene	ND		170	29	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Benzo[b]fluoranthene	ND		170	23	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Benzo[g,h,i]perylene	ND		170	30	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Benzo[k]fluoranthene	ND		170	38	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Biphenyl	ND		170	32	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
bis (2-chloroisopropyl) ether	ND		170	35	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Bis(2-chloroethoxy)methane	ND		170	32	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Bis(2-chloroethyl)ether	ND		170	32	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Bis(2-ethylhexyl) phthalate	ND		170	37	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Butyl benzyl phthalate	ND		170	31	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Caprolactam	ND		170	39	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Carbazole	ND		170	33	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Chrysene	ND		170	41	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Dibenz(a,h)anthracene	ND		170	34	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Dibenzofuran	ND		170	30	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Diethyl phthalate	ND		170	30	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Dimethyl phthalate	ND		170	33	ug/Kg		09/29/25 09:35	09/30/25 14:06	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-758263/1-A
Matrix: Solid
Analysis Batch: 758367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		170	38	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Di-n-octyl phthalate	ND		170	32	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Fluoranthene	ND		170	31	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Fluorene	ND		170	31	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Hexachlorobenzene	ND		170	33	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Hexachlorobutadiene	ND		170	25	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Hexachlorocyclopentadiene	ND		330	74	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Hexachloroethane	ND		170	31	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Indeno[1,2,3-cd]pyrene	ND		170	25	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Isophorone	ND		170	35	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Naphthalene	ND		170	28	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Nitrobenzene	ND		170	28	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
N-Nitrosodi-n-propylamine	ND		170	38	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
N-Nitrosodiphenylamine	ND		170	28	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Pentachlorophenol	ND		330	54	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Phenanthrene	ND		170	32	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Phenol	ND		170	31	ug/Kg		09/29/25 09:35	09/30/25 14:06	1
Pyrene	ND		170	32	ug/Kg		09/29/25 09:35	09/30/25 14:06	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*16900*	*T J*	*ug/Kg*		*1.68*	*N/A*	*09/29/25 09:35*	*09/30/25 14:06*	*1*
Unknown	*2810*	*T J*	*ug/Kg*		*2.80*	*N/A*	*09/29/25 09:35*	*09/30/25 14:06*	*1*
Unknown	*303*	*T J*	*ug/Kg*		*3.52*	*N/A*	*09/29/25 09:35*	*09/30/25 14:06*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*10 - 140*	*09/29/25 09:35*	*09/30/25 14:06*	*1*
2-Fluorobiphenyl (Surr)	*86*		*29 - 120*	*09/29/25 09:35*	*09/30/25 14:06*	*1*
2-Fluorophenol (Surr)	*74*		*18 - 120*	*09/29/25 09:35*	*09/30/25 14:06*	*1*
Nitrobenzene-d5 (Surr)	*75*		*22 - 120*	*09/29/25 09:35*	*09/30/25 14:06*	*1*
Phenol-d5 (Surr)	*80*		*23 - 120*	*09/29/25 09:35*	*09/30/25 14:06*	*1*
p-Terphenyl-d14 (Surr)	*96*		*28 - 124*	*09/29/25 09:35*	*09/30/25 14:06*	*1*

Lab Sample ID: LCS 480-758263/2-A
Matrix: Solid
Analysis Batch: 758367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	2670	1220		ug/Kg		46	22 - 120
2,4,5-Trichlorophenol	2670	2260		ug/Kg		85	52 - 120
2,4,6-Trichlorophenol	2670	2180		ug/Kg		82	51 - 120
2,4-Dichlorophenol	2670	2230		ug/Kg		84	44 - 120
2,4-Dimethylphenol	2670	2280		ug/Kg		85	48 - 120
2,4-Dinitrophenol	5330	4290		ug/Kg		80	28 - 120
2,4-Dinitrotoluene	2670	2290		ug/Kg		86	55 - 125
2,6-Dinitrotoluene	2670	2210		ug/Kg		83	51 - 125
2-Chloronaphthalene	2670	2130		ug/Kg		80	46 - 120
2-Chlorophenol	2670	2070		ug/Kg		78	40 - 120
2-Methylnaphthalene	2670	2170		ug/Kg		81	45 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-758263/2-A
Matrix: Solid
Analysis Batch: 758367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	2670	2120		ug/Kg		80	41 - 120
2-Nitroaniline	2670	2240		ug/Kg		84	51 - 125
2-Nitrophenol	2670	2070		ug/Kg		78	43 - 120
3,3'-Dichlorobenzidine	2670	2010		ug/Kg		76	10 - 120
3-Nitroaniline	2670	2050		ug/Kg		77	33 - 120
4,6-Dinitro-2-methylphenol	5330	4540		ug/Kg		85	49 - 126
4-Bromophenyl phenyl ether	2670	2330		ug/Kg		88	55 - 123
4-Chloro-3-methylphenol	2670	2400		ug/Kg		90	54 - 120
4-Chloroaniline	2670	2020		ug/Kg		76	20 - 120
4-Chlorophenyl phenyl ether	2670	2410		ug/Kg		90	54 - 120
4-Methylphenol	2670	2090		ug/Kg		78	43 - 120
4-Nitroaniline	2670	2310		ug/Kg		86	54 - 120
4-Nitrophenol	5330	4920		ug/Kg		92	47 - 120
Acenaphthene	2670	2170		ug/Kg		81	49 - 121
Acenaphthylene	2670	2260		ug/Kg		85	49 - 120
Acetophenone	2670	2070		ug/Kg		78	39 - 120
Anthracene	2670	2270		ug/Kg		85	57 - 120
Atrazine	2670	1750		ug/Kg		66	44 - 120
Benzaldehyde	2670	1210		ug/Kg		45	10 - 120
Benzo[a]anthracene	2670	2280		ug/Kg		85	58 - 120
Benzo[a]pyrene	2670	2260		ug/Kg		85	59 - 122
Benzo[b]fluoranthene	2670	2080		ug/Kg		78	56 - 120
Benzo[g,h,i]perylene	2670	2310		ug/Kg		87	56 - 132
Benzo[k]fluoranthene	2670	2490		ug/Kg		93	59 - 127
Biphenyl	2670	2190		ug/Kg		82	47 - 120
bis (2-chloroisopropyl) ether	2670	2020		ug/Kg		76	31 - 120
Bis(2-chloroethoxy)methane	2670	2260		ug/Kg		85	42 - 120
Bis(2-chloroethyl)ether	2670	2020		ug/Kg		76	34 - 120
Bis(2-ethylhexyl) phthalate	2670	2320		ug/Kg		87	49 - 130
Butyl benzyl phthalate	2670	2420		ug/Kg		91	50 - 122
Caprolactam	2670	1660		ug/Kg		62	10 - 120
Carbazole	2670	2350		ug/Kg		88	58 - 124
Chrysene	2670	2290		ug/Kg		86	57 - 120
Dibenz(a,h)anthracene	2670	2290		ug/Kg		86	53 - 124
Dibenzofuran	2670	2290		ug/Kg		86	53 - 120
Diethyl phthalate	2670	2260		ug/Kg		85	54 - 120
Dimethyl phthalate	2670	2390		ug/Kg		89	53 - 120
Di-n-butyl phthalate	2670	2350		ug/Kg		88	49 - 120
Di-n-octyl phthalate	2670	2330		ug/Kg		87	42 - 125
Fluoranthene	2670	2340		ug/Kg		88	57 - 121
Fluorene	2670	2280		ug/Kg		86	55 - 121
Hexachlorobenzene	2670	2220		ug/Kg		83	56 - 120
Hexachlorobutadiene	2670	1940		ug/Kg		73	40 - 120
Hexachlorocyclopentadiene	2670	2110		ug/Kg		79	30 - 125
Hexachloroethane	2670	1930		ug/Kg		72	34 - 120
Indeno[1,2,3-cd]pyrene	2670	2240		ug/Kg		84	53 - 125
Isophorone	2670	2270		ug/Kg		85	46 - 120
Naphthalene	2670	2050		ug/Kg		77	43 - 120
Nitrobenzene	2670	2050		ug/Kg		77	40 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-758263/2-A
Matrix: Solid
Analysis Batch: 758367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosodi-n-propylamine	2670	2090		ug/Kg		78	41 - 120
Pentachlorophenol	5330	4470		ug/Kg		84	10 - 124
Phenanthrene	2670	2260		ug/Kg		85	57 - 120
Phenol	2670	2150		ug/Kg		81	37 - 120
Pyrene	2670	2310		ug/Kg		87	59 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*94*		*10 - 140*
2-Fluorobiphenyl (Surr)	*92*		*29 - 120*
2-Fluorophenol (Surr)	*81*		*18 - 120*
Nitrobenzene-d5 (Surr)	*86*		*22 - 120*
Phenol-d5 (Surr)	*86*		*23 - 120*
p-Terphenyl-d14 (Surr)	*96*		*28 - 124*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-758337/1-A
Matrix: Solid
Analysis Batch: 758461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758337

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.65	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
4,4'-DDE	ND		3.3	0.70	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
4,4'-DDT	ND		3.3	0.78	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
Aldrin	ND		3.3	0.82	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
alpha-BHC	ND		3.3	0.60	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
cis-Chlordane	ND		3.3	1.7	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
beta-BHC	ND		3.3	0.60	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
delta-BHC	ND		3.3	0.62	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
Dieldrin	ND		3.3	0.80	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
Endosulfan I	ND		3.3	0.64	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
Endosulfan II	ND		3.3	0.60	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
Endosulfan sulfate	ND		3.3	0.62	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
Endrin	ND		3.3	0.66	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
Endrin aldehyde	ND		3.3	0.85	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
Endrin ketone	ND		3.3	0.82	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
gamma-BHC (Lindane)	ND		3.3	0.61	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
trans-Chlordane	ND		3.3	1.1	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
Heptachlor	ND		3.3	0.72	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
Heptachlor epoxide	ND		3.3	0.86	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
Methoxychlor	ND		3.3	0.68	ug/Kg		09/30/25 06:36	10/01/25 11:43	1
Toxaphene	ND		33	19	ug/Kg		09/30/25 06:36	10/01/25 11:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*45 - 120*	*09/30/25 06:36*	*10/01/25 11:43*	*1*
DCB Decachlorobiphenyl	*106*		*45 - 120*	*09/30/25 06:36*	*10/01/25 11:43*	*1*
Tetrachloro-m-xylene	*71*		*30 - 124*	*09/30/25 06:36*	*10/01/25 11:43*	*1*
Tetrachloro-m-xylene	*76*		*30 - 124*	*09/30/25 06:36*	*10/01/25 11:43*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-758337/2-A
Matrix: Solid
Analysis Batch: 758461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758337

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDD			33.3	26.2		ug/Kg		79	56 - 120		
4,4'-DDE			33.3	24.0		ug/Kg		72	44 - 120		
4,4'-DDT			33.3	25.7		ug/Kg		77	38 - 120		
Aldrin			33.3	20.7		ug/Kg		62	38 - 120		
alpha-BHC			33.3	20.1		ug/Kg		60	39 - 120		
cis-Chlordane			33.3	20.8		ug/Kg		62	47 - 120		
beta-BHC			33.3	24.5		ug/Kg		73	40 - 120		
delta-BHC			33.3	24.8		ug/Kg		75	45 - 120		
Dieldrin			33.3	24.6		ug/Kg		74	58 - 120		
Endosulfan I			33.3	24.1		ug/Kg		72	49 - 120		
Endosulfan II			33.3	24.8		ug/Kg		75	55 - 120		
Endosulfan sulfate			33.3	26.1		ug/Kg		78	49 - 124		
Endrin			33.3	25.1		ug/Kg		75	58 - 120		
Endrin aldehyde			33.3	18.9		ug/Kg		57	37 - 121		
Endrin ketone			33.3	25.2		ug/Kg		76	46 - 123		
gamma-BHC (Lindane)			33.3	22.7		ug/Kg		68	50 - 120		
trans-Chlordane			33.3	21.9		ug/Kg		66	48 - 120		
Heptachlor			33.3	23.4		ug/Kg		70	50 - 120		
Heptachlor epoxide			33.3	24.2		ug/Kg		72	50 - 120		
Methoxychlor			33.3	25.6		ug/Kg		77	58 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*85*		*45 - 120*
DCB Decachlorobiphenyl	*96*		*45 - 120*
Tetrachloro-m-xylene	*70*		*30 - 124*
Tetrachloro-m-xylene	*72*		*30 - 124*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-758340/1-A
Matrix: Solid
Analysis Batch: 758385

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758340

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg		09/30/25 06:54	09/30/25 20:31	1
PCB-1221	ND		0.25	0.049	mg/Kg		09/30/25 06:54	09/30/25 20:31	1
PCB-1232	ND		0.25	0.049	mg/Kg		09/30/25 06:54	09/30/25 20:31	1
PCB-1242	ND		0.25	0.049	mg/Kg		09/30/25 06:54	09/30/25 20:31	1
PCB-1248	ND		0.25	0.049	mg/Kg		09/30/25 06:54	09/30/25 20:31	1
PCB-1254	ND		0.25	0.12	mg/Kg		09/30/25 06:54	09/30/25 20:31	1
PCB-1260	ND		0.25	0.12	mg/Kg		09/30/25 06:54	09/30/25 20:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*125*		*60 - 154*	*09/30/25 06:54*	*09/30/25 20:31*	*1*
Tetrachloro-m-xylene	*133*		*60 - 154*	*09/30/25 06:54*	*09/30/25 20:31*	*1*
DCB Decachlorobiphenyl	*140*		*65 - 174*	*09/30/25 06:54*	*09/30/25 20:31*	*1*
DCB Decachlorobiphenyl	*141*		*65 - 174*	*09/30/25 06:54*	*09/30/25 20:31*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-758340/2-A
Matrix: Solid
Analysis Batch: 758385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758340

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2.50	3.21		mg/Kg		128	51 - 185		
PCB-1260			2.50	3.59		mg/Kg		144	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*132*		*60 - 154*
Tetrachloro-m-xylene	*143*		*60 - 154*
DCB Decachlorobiphenyl	*143*		*65 - 174*
DCB Decachlorobiphenyl	*152*		*65 - 174*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-758338/1-A
Matrix: Solid
Analysis Batch: 758626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758338

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		17	5.3	ug/Kg		09/30/25 06:43	10/02/25 12:32	1
Silvex (2,4,5-TP)	ND		17	6.0	ug/Kg		09/30/25 06:43	10/02/25 12:32	1
2,4-D	ND		17	11	ug/Kg		09/30/25 06:43	10/02/25 12:32	1
Dichlorprop	ND		17	8.3	ug/Kg		09/30/25 06:43	10/02/25 12:32	1
Pentachlorophenol	ND		17	5.4	ug/Kg		09/30/25 06:43	10/02/25 12:32	1
Picloram	ND		17	7.2	ug/Kg		09/30/25 06:43	10/02/25 12:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*78*		*28 - 129*	*09/30/25 06:43*	*10/02/25 12:32*	*1*
2,4-Dichlorophenylacetic acid	*81*		*28 - 129*	*09/30/25 06:43*	*10/02/25 12:32*	*1*

Lab Sample ID: LCS 480-758338/2-A
Matrix: Solid
Analysis Batch: 758626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758338

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,5-T			66.7	50.7		ug/Kg		76	41 - 120		
Silvex (2,4,5-TP)			66.7	53.5		ug/Kg		80	39 - 125		
2,4-D			66.7	51.7		ug/Kg		78	40 - 120		
Dichlorprop			66.7	53.9		ug/Kg		81	34 - 121		
Pentachlorophenol			66.7	27.7		ug/Kg		42	10 - 120		
Picloram			66.7	52.0		ug/Kg		78	22 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*76*		*28 - 129*
2,4-Dichlorophenylacetic acid	*83*		*28 - 129*

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-709161/1-A
Matrix: Solid
Analysis Batch: 709121

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709161

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.060	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.20	ng/g		10/04/25 05:38	10/05/25 03:14	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.20	ng/g		10/04/25 05:38	10/05/25 03:14	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.20	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.50	ng/g		10/04/25 05:38	10/05/25 03:14	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.50	ng/g		10/04/25 05:38	10/05/25 03:14	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-709161/1-A
Matrix: Solid
Analysis Batch: 709121

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709161

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.10	ng/g		10/04/25 05:38	10/05/25 03:14	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g		10/04/25 05:38	10/05/25 03:14	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g		10/04/25 05:38	10/05/25 03:14	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.50	ng/g		10/04/25 05:38	10/05/25 03:14	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*135*	*5+*	*8 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C5 PFPeA	*125*		*35 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C5 PFHxA	*126*		*40 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C4 PFHpA	*131*	*5+*	*40 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C8 PFOA	*120*		*40 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C9 PFNA	*126*		*40 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C6 PFDA	*122*		*40 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C7 PFUnA	*117*		*40 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C2 PFTeDA	*109*		*20 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C3 PFBS	*141*	*5+*	*40 - 135*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C3 PFHxS	*126*		*40 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C8 PFOS	*119*		*40 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C8 FOSA	*107*		*40 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
d3-NMeFOSAA	*98.4*		*40 - 135*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
d5-NEtFOSAA	*135*		*40 - 150*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C2 4:2 FTS	*130*		*40 - 165*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C2 6:2 FTS	*126*		*40 - 215*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C2 8:2 FTS	*118*		*40 - 275*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C3 HFPO-DA	*131*	*5+*	*40 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
d7-N-MeFOSE-M	*83.2*		*20 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
d9-N-EtFOSE-M	*66.9*		*15 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
d5-NEtPFOSA	*78.1*		*10 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
d3-NMePFOSA	*86.8*		*10 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*
13C2 PFDoA	*124*		*40 - 130*	*10/04/25 05:38*	*10/05/25 03:14*	*1*

Lab Sample ID: LCS 410-709161/2-A
Matrix: Solid
Analysis Batch: 709121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709161

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	5.00	4.93		ng/g		99	70 - 140
Perfluoropentanoic acid (PFPeA)	2.50	2.62		ng/g		105	60 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.51		ng/g		100	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.50	2.48		ng/g		99	65 - 145
Perfluorooctanoic acid (PFOA)	2.50	2.55		ng/g		102	70 - 150
Perfluorononanoic acid (PFNA)	2.50	2.37		ng/g		95	70 - 155
Perfluorodecanoic acid (PFDA)	2.50	2.43		ng/g		97	70 - 155

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-709161/2-A
Matrix: Solid
Analysis Batch: 709121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709161

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	2.50	2.54		ng/g		102	70 - 155
Perfluorododecanoic acid (PFDoA)	2.50	2.40		ng/g		96	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.57		ng/g		103	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.62		ng/g		105	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.22	2.26		ng/g		102	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.51		ng/g		107	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.21		ng/g		97	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.42		ng/g		102	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.33	2.24		ng/g		96	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.41	2.21		ng/g		92	55 - 140
Perfluorodecanesulfonic acid (PFDS)	2.41	2.12		ng/g		88	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	2.43	2.04		ng/g		84	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.79		ng/g		102	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	4.80		ng/g		101	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	4.96		ng/g		103	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.57		ng/g		103	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.54		ng/g		101	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.45		ng/g		98	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.66		ng/g		106	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.59		ng/g		103	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	11.9		ng/g		95	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	12.7		ng/g		102	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	2.02		ng/g		107	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	2.44		ng/g		103	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	2.62		ng/g		105	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	2.48		ng/g		99	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	2.44		ng/g		98	60 - 155

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-709161/2-A
Matrix: Solid
Analysis Batch: 709121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709161

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)			2.34	2.25		ng/g		96	70 - 150		
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			2.36	2.08		ng/g		88	45 - 160		
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)			2.23	2.31		ng/g		104	70 - 140		
3-Perfluoropropylpropanoic acid (3:3 FTCA)			5.00	4.29		ng/g		86	45 - 130		
3-Perfluoropentylpropanoic acid (5:3 FTCA)			12.5	11.1		ng/g		89	60 - 130		
3-Perfluoroheptylpropanoic acid (7:3 FTCA)			12.5	9.45		ng/g		76	60 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*117*		*8 - 130*
13C5 PFPeA	*109*		*35 - 130*
13C5 PFHxA	*109*		*40 - 130*
13C4 PFHpA	*117*		*40 - 130*
13C8 PFOA	*110*		*40 - 130*
13C9 PFNA	*111*		*40 - 130*
13C6 PFDA	*103*		*40 - 130*
13C7 PFUnA	*106*		*40 - 130*
13C2 PFTeDA	*96.9*		*20 - 130*
13C3 PFBS	*121*		*40 - 135*
13C3 PFHxS	*112*		*40 - 130*
13C8 PFOS	*111*		*40 - 130*
13C8 FOSA	*97.4*		*40 - 130*
d3-NMeFOSAA	*85.8*		*40 - 135*
d5-NEtFOSAA	*121*		*40 - 150*
13C2 4:2 FTS	*110*		*40 - 165*
13C2 6:2 FTS	*104*		*40 - 215*
13C2 8:2 FTS	*102*		*40 - 275*
13C3 HFPO-DA	*107*		*40 - 130*
d7-N-MeFOSE-M	*83.9*		*20 - 130*
d9-N-EtFOSE-M	*66.4*		*15 - 130*
d5-NEtPFOSA	*72.1*		*10 - 130*
d3-NMePFOSA	*77.7*		*10 - 130*
13C2 PFDoA	*101*		*40 - 130*

Lab Sample ID: LCSD 410-709161/3-A
Matrix: Solid
Analysis Batch: 709121

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 709161

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			5.00	4.81		ng/g		96	70 - 140	2	30
Perfluoropentanoic acid (PFPeA)			2.50	2.53		ng/g		101	60 - 150	4	30
Perfluorohexanoic acid (PFHxA)			2.50	2.46		ng/g		99	65 - 140	2	30
Perfluoroheptanoic acid (PFHpA)			2.50	2.43		ng/g		97	65 - 145	2	30
Perfluorooctanoic acid (PFOA)			2.50	2.43		ng/g		97	70 - 150	5	30

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-709161/3-A
Matrix: Solid
Analysis Batch: 709121

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 709161

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorononanoic acid (PFNA)	2.50	2.45		ng/g		98	70 - 155	4	30
Perfluorodecanoic acid (PFDA)	2.50	2.37		ng/g		95	70 - 155	2	30
Perfluoroundecanoic acid (PFUnA)	2.50	2.48		ng/g		99	70 - 155	2	30
Perfluorododecanoic acid (PFDoA)	2.50	2.32		ng/g		93	70 - 150	3	30
Perfluorotridecanoic acid (PFTrDA)	2.50	2.50		ng/g		100	65 - 150	3	30
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.49		ng/g		100	65 - 150	5	30
Perfluorobutanesulfonic acid (PFBS)	2.22	2.16		ng/g		97	65 - 145	5	30
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.55		ng/g		108	55 - 160	2	30
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.22		ng/g		98	60 - 150	0	30
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.36		ng/g		99	65 - 155	3	30
Perfluorooctanesulfonic acid (PFOS)	2.33	2.28		ng/g		98	65 - 160	2	30
Perfluorononanesulfonic acid (PFNS)	2.41	2.17		ng/g		90	55 - 140	2	30
Perfluorodecanesulfonic acid (PFDS)	2.41	2.25		ng/g		93	40 - 155	6	30
Perfluorododecanesulfonic acid (PFDoS)	2.43	2.03		ng/g		84	25 - 160	0	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.76		ng/g		101	60 - 150	1	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	4.83		ng/g		101	55 - 200	1	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	4.97		ng/g		104	70 - 150	0	30
Perfluorooctanesulfonamide (PFOSA)	2.50	2.51		ng/g		101	70 - 140	2	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.45		ng/g		98	70 - 155	4	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.38		ng/g		95	70 - 140	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.40		ng/g		96	65 - 155	10	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.53		ng/g		101	65 - 165	2	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	12.1		ng/g		97	70 - 140	2	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	13.5		ng/g		108	70 - 135	6	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	1.97		ng/g		105	70 - 145	2	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	2.45		ng/g		104	70 - 160	1	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	2.50		ng/g		100	30 - 140	4	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	2.44		ng/g		98	60 - 150	2	30

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-709161/3-A
Matrix: Solid
Analysis Batch: 709121

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 709161

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)			2.50	2.42		ng/g		97	60 - 155	1	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)			2.34	2.34		ng/g		100	70 - 150	4	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			2.36	2.09		ng/g		89	45 - 160	1	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)			2.23	2.36		ng/g		106	70 - 140	2	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)			5.00	4.34		ng/g		87	45 - 130	1	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)			12.5	11.3		ng/g		90	60 - 130	2	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)			12.5	9.23		ng/g		74	60 - 150	2	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*119*		*8 - 130*
13C5 PFPeA	*118*		*35 - 130*
13C5 PFHxA	*114*		*40 - 130*
13C4 PFHpA	*113*		*40 - 130*
13C8 PFOA	*110*		*40 - 130*
13C9 PFNA	*107*		*40 - 130*
13C6 PFDA	*109*		*40 - 130*
13C7 PFUnA	*116*		*40 - 130*
13C2 PFTeDA	*98.7*		*20 - 130*
13C3 PFBS	*122*		*40 - 135*
13C3 PFHxS	*111*		*40 - 130*
13C8 PFOS	*107*		*40 - 130*
13C8 FOSA	*94.1*		*40 - 130*
d3-NMeFOSAA	*89.1*		*40 - 135*
d5-NEtFOSAA	*104*		*40 - 150*
13C2 4:2 FTS	*112*		*40 - 165*
13C2 6:2 FTS	*110*		*40 - 215*
13C2 8:2 FTS	*99.4*		*40 - 275*
13C3 HFPO-DA	*110*		*40 - 130*
d7-N-MeFOSE-M	*70.1*		*20 - 130*
d9-N-EtFOSE-M	*49.6*		*15 - 130*
d5-NEtPFOSA	*70.0*		*10 - 130*
d3-NMePFOSA	*77.4*		*10 - 130*
13C2 PFDoA	*114*		*40 - 130*

Lab Sample ID: LLCS 410-709161/4-A
Matrix: Solid
Analysis Batch: 709422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709161

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)			0.500	0.415		ng/g		83	70 - 140
Perfluoropentanoic acid (PFPeA)			0.250	0.237		ng/g		95	60 - 150
Perfluorohexanoic acid (PFHxA)			0.250	0.245		ng/g		98	65 - 140

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-709161/4-A
Matrix: Solid
Analysis Batch: 709422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709161

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanoic acid (PFHpA)	0.250	0.246		ng/g		98	65 - 145
Perfluorooctanoic acid (PFOA)	0.250	0.280		ng/g		112	70 - 150
Perfluorononanoic acid (PFNA)	0.250	0.261		ng/g		105	70 - 155
Perfluorodecanoic acid (PFDA)	0.250	0.243		ng/g		97	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.250	0.238		ng/g		95	70 - 155
Perfluorododecanoic acid (PFDoA)	0.250	0.229		ng/g		92	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.250	0.219		ng/g		88	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.194	J	ng/g		78	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.225		ng/g		101	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.198	J	ng/g		84	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.267		ng/g		117	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.224		ng/g		94	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.243		ng/g		105	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.241	0.228		ng/g		95	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.241	0.203		ng/g		84	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.244		ng/g		100	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.458		ng/g		98	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.441		ng/g		93	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.438		ng/g		91	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.243		ng/g		97	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.232		ng/g		93	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.220		ng/g		88	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.168	J	ng/g		67	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.234		ng/g		94	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.18		ng/g		94	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.17		ng/g		93	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.177	J	ng/g		94	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.227		ng/g		96	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.216		ng/g		86	30 - 140

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-709161/4-A
Matrix: Solid
Analysis Batch: 709422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709161

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluoro-4-methoxybutanoic acid (PFMBA)			0.250	0.222		ng/g		89	60 - 150		
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)			0.250	0.231		ng/g		92	60 - 155		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)			0.234	0.263		ng/g		113	70 - 150		
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			0.236	0.242		ng/g		103	45 - 160		
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)			0.223	0.193	J	ng/g		87	70 - 140		
3-Perfluoropropylpropanoic acid (3:3 FTCA)			0.500	0.325	J	ng/g		65	45 - 130		
3-Perfluoropentylpropanoic acid (5:3 FTCA)			1.25	1.09		ng/g		87	60 - 130		
3-Perfluoroheptylpropanoic acid (7:3 FTCA)			1.25	0.875	J	ng/g		70	60 - 150		

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*103*		*8 - 130*
13C5 PFPeA	*91.4*		*35 - 130*
13C5 PFHxA	*87.8*		*40 - 130*
13C4 PFHpA	*92.7*		*40 - 130*
13C8 PFOA	*89.1*		*40 - 130*
13C9 PFNA	*87.3*		*40 - 130*
13C6 PFDA	*85.9*		*40 - 130*
13C7 PFUnA	*86.3*		*40 - 130*
13C2 PFTeDA	*88.9*		*20 - 130*
13C3 PFBS	*80.5*		*40 - 135*
13C3 PFHxS	*85.3*		*40 - 130*
13C8 PFOS	*77.3*		*40 - 130*
13C8 FOSA	*69.5*		*40 - 130*
d3-NMeFOSAA	*78.1*		*40 - 135*
d5-NEtFOSAA	*74.9*		*40 - 150*
13C2 4:2 FTS	*91.9*		*40 - 165*
13C2 6:2 FTS	*94.4*		*40 - 215*
13C2 8:2 FTS	*132*		*40 - 275*
13C3 HFPO-DA	*95.6*		*40 - 130*
d7-N-MeFOSE-M	*55.9*		*20 - 130*
d9-N-EtFOSE-M	*53.2*		*15 - 130*
d5-NEtPFOSA	*56.4*		*10 - 130*
d3-NMePFOSA	*60.5*		*10 - 130*
13C2 PFDoA	*78.3*		*40 - 130*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-758138/1-A
Matrix: Solid
Analysis Batch: 758327

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758138

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10.4	9.0	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Antimony	ND		15.6	0.55	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Arsenic	ND		2.1	0.92	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Barium	ND		0.52	0.15	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Beryllium	ND		0.21	0.042	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Cadmium	ND		0.21	0.073	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Calcium	ND		52.1	28.1	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Chromium	ND		0.52	0.38	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Cobalt	ND		0.52	0.10	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Copper	ND		1.0	0.59	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Iron	ND		10.4	8.8	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Lead	ND		1.0	0.48	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Magnesium	ND		20.8	8.8	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Manganese	ND		1.0	0.29	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Nickel	ND	^5-	5.2	0.26	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Potassium	ND		31.3	25.3	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Selenium	ND		4.2	0.83	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Silver	ND	^5-	0.63	0.21	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Sodium	ND	^5+	146	63.9	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Thallium	ND		6.3	0.79	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Vanadium	ND		0.52	0.14	mg/Kg		09/29/25 09:20	09/29/25 16:15	1
Zinc	1.26	J	2.1	1.1	mg/Kg		09/29/25 09:20	09/29/25 16:15	1

Lab Sample ID: MB 480-758138/1-A
Matrix: Solid
Analysis Batch: 758388

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758138

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	1.28	J	2.1	1.1	mg/Kg		09/29/25 09:20	09/30/25 11:43	1

Lab Sample ID: LCSSRM 480-758138/2-A
Matrix: Solid
Analysis Batch: 758327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758138

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7680	6658		mg/Kg		86.7	47.4 - 130.2
Antimony	250	71.49		mg/Kg		28.6	10.0 - 131.2
Arsenic	229	143.7		mg/Kg		62.8	59.0 - 110.0
Barium	244	174.1		mg/Kg		71.4	67.2 - 112.3
Beryllium	165	125.7		mg/Kg		76.2	66.7 - 110.9
Cadmium	134	88.48		mg/Kg		66.0	66.0 - 109.7
Calcium	4280	3408		mg/Kg		79.6	68.5 - 122.4
Chromium	172	122.4		mg/Kg		71.2	62.2 - 115.7

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-758138/2-A
Matrix: Solid
Analysis Batch: 758327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758138

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	253	199.7		mg/Kg		78.9	68.8 - 114.2
Copper	99.6	72.53		mg/Kg		72.8	68.7 - 114.5
Iron	7360	5631		mg/Kg		76.5	10.0 - 187.5
Lead	153	116.5		mg/Kg		76.1	66.7 - 117.6
Magnesium	2060	1533		mg/Kg		74.4	53.9 - 179.1
Manganese	442	322.1		mg/Kg		72.9	69.0 - 112.4
Nickel	165	125.8		mg/Kg		76.2	60.6 - 113.3
Potassium	1950	1610		mg/Kg		82.6	51.2 - 129.2
Selenium	107	69.46		mg/Kg		64.9	57.2 - 119.6
Silver	83.9	59.42		mg/Kg		70.8	65.1 - 118.5
Sodium	732	589.5		mg/Kg		80.5	55.9 - 124.7
Thallium	208	150.4		mg/Kg		72.3	63.0 - 113.0
Vanadium	179	125.3		mg/Kg		70.0	64.8 - 113.4
Zinc	327	234.5		mg/Kg		71.7	62.4 - 115.9

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-758240/1-A
Matrix: Solid
Analysis Batch: 758278

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758240

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0046	mg/Kg		09/29/25 08:42	09/29/25 10:59	1

Lab Sample ID: LCSSRM 480-758240/2-A
Matrix: Solid
Analysis Batch: 758278

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758240

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	15.9	13.63		mg/Kg		85.7	53.1 - 123.9

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 410-707802/1-A
Matrix: Solid
Analysis Batch: 708408

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 707802

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.42	0.37	mg/Kg		10/01/25 20:38	10/02/25 18:22	1

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: LCS 410-707802/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 708408
Prep Batch: 707802

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	5.00	4.44		mg/Kg		89	80 - 120

Lab Sample ID: LCSI 410-707802/3-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 708408
Prep Batch: 707802

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	643	602.1		mg/Kg		94	80 - 120

GC/MS VOA

Prep Batch: 758362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	5035A_H	
MB 480-758362/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-758362/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 758363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	8260C	758362
MB 480-758362/1-A	Method Blank	Total/NA	Solid	8260C	758362
LCS 480-758362/2-A	Lab Control Sample	Total/NA	Solid	8260C	758362

GC/MS Semi VOA

Prep Batch: 758263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	3546	
MB 480-758263/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-758263/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 758367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	8270D	758263
MB 480-758263/1-A	Method Blank	Total/NA	Solid	8270D	758263
LCS 480-758263/2-A	Lab Control Sample	Total/NA	Solid	8270D	758263

GC Semi VOA

Prep Batch: 758337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	3546	
MB 480-758337/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-758337/2-A	Lab Control Sample	Total/NA	Solid	3546	

Prep Batch: 758338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	8151A	
MB 480-758338/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-758338/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Prep Batch: 758340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	3550C	
MB 480-758340/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-758340/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 758385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	8082A	758340
MB 480-758340/1-A	Method Blank	Total/NA	Solid	8082A	758340
LCS 480-758340/2-A	Lab Control Sample	Total/NA	Solid	8082A	758340

GC Semi VOA

Analysis Batch: 758461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	8081B	758337
MB 480-758337/1-A	Method Blank	Total/NA	Solid	8081B	758337
LCS 480-758337/2-A	Lab Control Sample	Total/NA	Solid	8081B	758337

Analysis Batch: 758626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	8151A	758338
MB 480-758338/1-A	Method Blank	Total/NA	Solid	8151A	758338
LCS 480-758338/2-A	Lab Control Sample	Total/NA	Solid	8151A	758338

LCMS

Analysis Batch: 709121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	1633A	709161
MB 410-709161/1-A	Method Blank	Total/NA	Solid	1633A	709161
LCS 410-709161/2-A	Lab Control Sample	Total/NA	Solid	1633A	709161
LCSD 410-709161/3-A	Lab Control Sample Dup	Total/NA	Solid	1633A	709161

Prep Batch: 709161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	1633A Shake	
MB 410-709161/1-A	Method Blank	Total/NA	Solid	1633A Shake	
LCS 410-709161/2-A	Lab Control Sample	Total/NA	Solid	1633A Shake	
LCSD 410-709161/3-A	Lab Control Sample Dup	Total/NA	Solid	1633A Shake	
LLCS 410-709161/4-A	Lab Control Sample	Total/NA	Solid	1633A Shake	

Analysis Batch: 709422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 410-709161/4-A	Lab Control Sample	Total/NA	Solid	1633A	709161

Metals

Prep Batch: 758138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	3050B	
MB 480-758138/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-758138/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 758240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	7471B	
MB 480-758240/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-758240/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 758278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	7471B	758240
MB 480-758240/1-A	Method Blank	Total/NA	Solid	7471B	758240
LCSSRM 480-758240/2-A	Lab Control Sample	Total/NA	Solid	7471B	758240

QC Association Summary

Client: LaBella Associates DPC
Job ID: 480-232987-1
Project/Site: 9 Lakeview Avenue Site,

Metals

Analysis Batch: 758327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	6010D	758138
MB 480-758138/1-A	Method Blank	Total/NA	Solid	6010D	758138
LCSSRM 480-758138/2-A	Lab Control Sample	Total/NA	Solid	6010D	758138

Analysis Batch: 758388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-758138/1-A	Method Blank	Total/NA	Solid	6010D	758138

Analysis Batch: 758518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	6010D	758138

General Chemistry

Prep Batch: 707802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	3060A	
MB 410-707802/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-707802/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-707802/3-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 708408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	7196A	707802
MB 410-707802/1-A	Method Blank	Total/NA	Solid	7196A	707802
LCS 410-707802/2-A	Lab Control Sample	Total/NA	Solid	7196A	707802
LCSI 410-707802/3-A	Lab Control Sample	Total/NA	Solid	7196A	707802

Analysis Batch: 758373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	SM 3500 CR D	

Analysis Batch: 758410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232987-1	SS-6	Total/NA	Solid	Moisture	

Lab Chronicle

Client: LaBella Associates DPC
Job ID: 480-232987-1
Project/Site: 9 Lakeview Avenue Site,

Client Sample ID: SS-6
Lab Sample ID: 480-232987-1
Date Collected: 09/25/25 08:00
Matrix: Solid
Date Received: 09/25/25 17:54

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	758410	MAN	EET BUF	09/30/25 14:12
Total/NA	Analysis	SM 3500 CR D		1	758373	JJP	EET BUF	09/30/25 10:52

Client Sample ID: SS-6
Lab Sample ID: 480-232987-1
Date Collected: 09/25/25 08:00
Matrix: Solid
Date Received: 09/25/25 17:54
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			758362	ATG	EET BUF	09/30/25 09:55
Total/NA	Analysis	8260C		1	758363	ATG	EET BUF	09/30/25 14:51
Total/NA	Prep	3546			758263	JMP	EET BUF	09/29/25 09:35
Total/NA	Analysis	8270D		10	758367	JMM	EET BUF	09/30/25 20:22
Total/NA	Prep	3546			758337	VXF	EET BUF	09/30/25 06:36
Total/NA	Analysis	8081B		20	758461	JLS	EET BUF	10/01/25 14:20
Total/NA	Prep	3550C			758340	SMP	EET BUF	09/30/25 06:54
Total/NA	Analysis	8082A		1	758385	H9RU	EET BUF	09/30/25 22:21
Total/NA	Prep	8151A			758338	VXF	EET BUF	09/30/25 06:43
Total/NA	Analysis	8151A		1	758626	JLS	EET BUF	10/02/25 14:57
Total/NA	Prep	1633A Shake			709161	D5RZ	ELLE	10/04/25 05:38
Total/NA	Analysis	1633A		1	709121	XBL5	ELLE	10/05/25 04:08
Total/NA	Prep	3050B			758138	EMO	EET BUF	09/29/25 09:20
Total/NA	Analysis	6010D		1	758327	MP	EET BUF	09/29/25 17:14
Total/NA	Prep	3050B			758138	EMO	EET BUF	09/29/25 09:20
Total/NA	Analysis	6010D		10	758518	MP	EET BUF	10/01/25 11:23
Total/NA	Prep	7471B			758240	ESB	EET BUF	09/29/25 08:42
Total/NA	Analysis	7471B		1	758278	ESB	EET BUF	09/29/25 11:06
Total/NA	Prep	3060A			707802	UDS7	ELLE	10/01/25 20:38
Total/NA	Analysis	7196A		5	708408	UDS7	ELLE	10/02/25 18:22

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-232987-1
Project/Site: 9 Lakeview Avenue Site,

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8151A	8151A	Solid	Picloram
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
SM 3500 CR D		Solid	Cr (III)

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-26
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-26
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-26
Connecticut	State	PH-0746	06-30-27
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	07-01-26
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-26
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-26
Massachusetts	State	M-PA009	06-30-26
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-26
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-26
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: LaBella Associates DPC
Job ID: 480-232987-1
Project/Site: 9 Lakeview Avenue Site,

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Ohio	State	87787	01-31-26
Oklahoma	NELAP	9804	12-31-25
Oregon	NELAP	PA200001	09-12-26
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-26
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-27-25
Virginia	NELAP	460182	06-14-26
Washington	State	C457	04-11-26
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-26
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: LaBella Associates DPC
Job ID: 480-232987-1
Project/Site: 9 Lakeview Avenue Site,

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8081B	Organochlorine Pesticides (GC)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
8151A	Herbicides (GC)	SW846	EET BUF
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6010D	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
7196A	Chromium, Hexavalent	SW846	ELLE
Moisture	Percent Moisture	EPA	EET BUF
SM 3500 CR D	Chromium, Trivalent	SM	EET BUF
1633A Shake	Shake Extraction with SPE	EPA	ELLE
3050B	Preparation, Metals	SW846	EET BUF
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	ELLE
3546	Microwave Extraction	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF
8151A	Extraction (Herbicides)	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: LaBella Associates DPC
Project/Site: 9 Lakeview Avenue Site,

Job ID: 480-232987-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-232987-1	SS-6	Solid	09/25/25 08:00	09/25/25 17:54	New York

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing

Client Information	Sampler: Stephen Campana	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-206465-41912.5
Client Contact: Adam Zebrowski	Phone: 716-361-9231	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 5 of 5
Company: LaBella Associates DPC	PWSID:			Job #: 2253075
Address: 300 Pearl Street Suite 130	Due Date Requested:			
City: Buffalo	TAT Requested (days): Standard			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone:	PO #: TBD			
Email: azebrowski@labellapc.com /scampana@labellapc.com	WO #:			
Project Name: 9 Lakeview Ave. Site - Soil	Project #: 48028950			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: N - None

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - VOCs - TCL + CP-51 Lists + TICs	6010D, 7471B, 8270D	8082A - TCL PCBs	1633A - 1633 Standard List 40	8081B, 8151A	Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X	N	N	N	N	N	X	
SS-6	9/25/25	08:00	Grab	Solid			X	X	X	X	X		
				Solid									
				Solid									
				Solid									

480-232987 Chain of Custody

Possible Hazard Identification

Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months ☐

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Stephen Campana	9/25/25 17:54		LL	9/25/25 17:54	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.8 ICE

Ver: 05/06/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-95110.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 480-232987-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 10/8/2025			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 9 Lakeview Avenue Site,	Project #: 48028950			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633A/1633A_ShakeList of 40 based on EPA method	7196A/3060AChromium, Hexavalent	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SS-6 (480-232987-1)	9/25/25	08:00 Eastern	G	Solid			X	X	1	

Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[illegible]	9/29/25 16:00	ET			
2						
3				Hazel Tipps	9/30/25 945	BLK/T

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: R: 2.4 C: 2.3 @AB 09/30/25 R: 3.3 C: 2.2

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-232987-1

Login Number: 232987

List Source: Eurofins Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZE TIME 9/26/25 15:00
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-232987-1

Login Number: 232987
List Number: 2
Creator: Bui, Anthony

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 09/30/25 03:08 PM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

APPENDIX 5:
DATA USABILITY SUMMARY REPORT

Environmental Assessment & Remediations
A LaBella Company

October 28, 2025

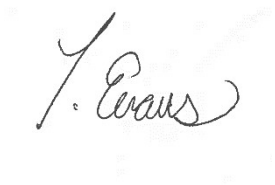
To: Stephen Campana
Labella Associates DPC
300 Pearl Street, Suite 130
Buffalo, NY 14202

Subject: 9 Lakeview Ave BCP Service- Data Usability Summary Report

The Following Item Transmitted:
Data Package:

Originals	Description of Materials	Electronic/ Hard Copy
1	480-230990-1_NYSDEC_CatB_Package_Mini_Final Report.pdf	Electronic

Signature:



Tracey Evans
Chemist
tevans@labellapc.com
Environmental Assessment & Remediations
A Labella Company
225 Atlantic Avenue
Patchogue, New York 11772
631-447-6400 ext.124

A LaBella Company

9 Lakeview Ave BCP Service, Data Usability Summary Report for July 10, 2025, Soil Samples

Client: Labella Associates DPC
Laboratory: Eurofins Environmental Testing (NELAP ID 10026,10975,11452)
Site: 9 Lakeview Ave BCP Service
Project Number: 2253075

Lab Job ID: 480-230990-1											
				Methods Evaluated							
Lab ID	Field ID	Collection Date	Matrix	VOCs 8260C	SVOCs 8270D	Pesticides 8081B	PCBs 8082A	Herbicides 8151A	PFAS 1633A	Metals 6010D and 7471B	General Chemistry *
480-230990-1	SS-1	7/10/2025	soil		x	x	x	x	x	x	x
480-230990-2	TP-7 2-3FT	7/10/2025	soil	x	x	x	x	x	x	x	x
480-230990-3	SS-2	7/10/2025	soil		x					x	x
480-230990-4	TP-8 23-4FT	7/10/2025	soil		x					x	x
480-230990-5	SS-3	7/10/2025	soil		x					x	x
480-230990-6	TP-9 6-8FT	7/10/2025	soil		x					x	x
480-230990-7	TP-9 12FT	7/10/2025	soil		x					x	x
480-230990-8	SS-4	7/10/2025	soil		x	x	x	x	x	x	x
480-230990-9	TP-10 6-8FT	7/10/2025	soil	x	x	x	x	x	x	x	x
480-230990-10	TP-10 12-14.6FT	7/10/2025	soil	x	x	x	x	x	x	x	x
480-230990-11	TP-11 6-8FT	7/10/2025	soil		x					x	x
480-230990-12	SS-5	7/10/2025	soil		x					x	x

GC-General Chemistry section includes Percent Moisture/ Percent Solid

Laboratory report reviewed under:

- USEPA Contract Laboratory Program National Functional Guidance for Organic Superfund Methods Data Review, EPA 542-R-20-005 (January 2020).
- USEPA Contract Laboratory Program National Functional Guidance for Inorganic Superfund Methods Data Review, EPA 542-R-20-006 (January 2020).
- VOA Standard Operation for the Validation of Volatile Data, QA-HWSS-A-004 (March 2022).
- VOA Standard Operation for the Validation of Semivolatile Data, QA-HWSS-A-005 (April 2022).
- Standard Operating Procedure for the Validation of Pesticide Data, QA-HWSS-A-007 (April 2022)
- Standard Operating Procedure for the Validation of Polychlorinated Biphenyl (PCB) Aroclor Data, SOP#QA-HWSS-A-006 (March 2022)
- Standard Operating Procedure for the Validation of Mercury Data, SOP#QA-HWSS-A-011 (March 2022)
- Standard Operating Procedure for the Validation of Cyanide Data, SOP#QA-HWSS-A-012 (March 2022)
- Sampling, Analysis, And Assessment of Per- and Polyfluoroalkyl Substances (PFAS) (Under NYSDEC's Part 375 Remedial Program) (April 2023)
- Standard Operating Procedure for the Validation of ICP-AES Data, QA-HWSS-A-010 (February 2022)
- Standard Methods for the Examination of Water and Wastewater, 24th edition, SM 2540 Solids (2017)
- Professional judgment.

Criteria for Data Usability Summary Report

Completeness:
A complete data package contains all relevant and related material, packaged for distribution to its client, in accordance with the Analytical Service Protocol (ASP) Category B Deliverables guidelines.

Compliant:
A compliant data package is determined to contain all work related to the production of laboratory data in a manner consistent with the Quality Assurance Program Plan.

Overall Usability Issue

Data validation completed per the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.

This analytical report complies with the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.

In conclusion, the data reviewed in this report is usable data which meets criteria for compliance with methods 8260C, 8270D, 8081B, 8082A,8151A, 1633A, 6010D, and 7471B. Percent Moisture and Percent Solid conducted under EPA Method 40 CFR 60.17 was completed without issue.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.

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Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocylcohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronapthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
ND	Non-detected or Not Detected
PID	Photo Ionization Detector

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Data Validation Acronyms

PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
%D	Percent Drift
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation

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Data Validation Qualifiers

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

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Method Review: 8260C VOCs

Lab Job ID: 480-230990-1

Lab ID	Field ID	Collection Date	Matrix
480-230990-2	TP-7 2-3FT	7/10/2025	solid
480-230990-9	TP-10 6-8FT	7/10/2025	solid
480-230990-10	TP-10 12-14.8FT	7/10/2025	solid

Reviewer Summary:
Samples were handled and analyzed properly under USEPA Contract Laboratory Program National Functional Guidance for Super Organic Methods Data and QA-HWSS-A-004 VOA Standard Operation for the Validation of Volatile Data.

• Within continuous calibration, CCVIS 480-751995/4, analytes 4-Methyl-2-pentanone (MIBK), 2-Hexanone, and 1,1,2-Trichloro-1,2,2-trifluoroethane, recovered above the upper limits of %D control limits, which led to the qualification of non-detect estimate "UJ" values within sample 480-230990-9. Other analytes failed recovery but were already qualified as estimated "J" values; no further qualification is needed.

• Within sample 480-230990-2, the internal standard 1,4-Dichlorobenzene-d4 was below the lower limits of counts (approximately 22%), which led to the qualification of analytes associated with the standard being classified as a non-detect estimate "UJ" value.

The data met the category B criterion and is therefore usable.

Method Review: 8270D SVOCs

Lab Job ID: 480-230990-1

Lab ID	Field ID	Collection Date	Matrix
480-230990-1	SS-1	7/10/2025	soil
480-230990-2	TP-7 2-3FT	7/10/2025	soil
480-230990-3	SS-2	7/10/2025	soil
480-230990-4	TP-8 23-4FT	7/10/2025	soil
480-230990-5	SS-3	7/10/2025	soil
480-230990-6	TP-9 6-8FT	7/10/2025	soil

480-230990-7	TP-9 12FT	7/10/2025	soil
480-230990-8	SS-4	7/10/2025	soil
480-230990-9	TP-10 6-8FT	7/10/2025	soil
480-230990-10	TP-10 12-14.6FT	7/10/2025	soil
480-230990-11	TP-11 6-8FT	7/10/2025	soil
480-230990-12	SS-5	7/10/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under EPA Region 2 protocol Standard Operating Procedure for Validation of Semivolatile Data, QA-HWSS-A-005, along with the EPA's National Functional Guideline for Organic Compounds.

• Within initial calibration, RSD% over 20% for the analyte Benzaldehyde occurred, but was not detected within any samples; no qualification is needed.

• Within CCVIS 480-752098/3, analytes Hexachlorocyclopentadiene, Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, and Di-n-octyl phthalate were outside of the %D limit, which led to the qualification of non-detect estimate "UJ" values within samples 480-230990-9, 480-230990-10, 480-230990-11, and 480-230990-12. Within CCVIS 480-751756/3 analytes 1,4-Dioxane, 2-Nitroaniline, 4-Nitrophenol, and bis (2-chloroisopropyl) ether were outside of the %D limit, which led to the qualification of non-detect estimate "UJ" values within sample 480-230990-1.

• Within a method blank MB 480-751553/1-A, a tentatively identified compound 2,3-dimethyl-2-pentene was detected, but not detected within any sample; no further qualification needed.

The data met the category B criterion and is therefore usable.

Method Review: 8081B Pesticides

Lab Job ID: 480-230990-1

Lab ID	Field ID	Collection Date	Matrix
480-230990-1	SS-1	7/10/2025	soil
480-230990-2	TP-7 2-3FT	7/10/2025	soil
480-230990-8	SS-4	7/10/2025	soil
480-230990-9	TP-10 6-8FT	7/10/2025	soil
480-230990-10	TP-10 12-14.6FT	7/10/2025	soil

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Reviewer Summary:
Samples were handled and analyzed properly under EPA Region 2 Standard Operating Procedure for Validation of Pesticides Data, QA-HWSS-A_007.

• Within the method blank, MB 480-751725/1-A, pesticide beta-BHC was detected but not detected within any sample. Qualification is not needed.

• Surrogates failed recovery within samples 480-230990-1, 480-230990-2, and 480-230990-9 due to matrix dilution of sample. No further qualification is needed.

• While the %RPD of certain detected pesticides was greater than 25% between the two columns used, all analytes were detected as estimated “J" values. No further qualification is needed.

The data met the category B criterion and is therefore usable.

Method Review: 8082A PCB

Lab Job ID: 480-230990-1

Lab ID	Field ID	Collection Date	Matrix
480-230990-1	SS-1	7/10/2025	soil
480-230990-2	TP-7 2-3FT	7/10/2025	soil
480-230990-8	SS-4	7/10/2025	soil
480-230990-9	TP-10 6-8FT	7/10/2025	soil
480-230990-10	TP-10 12-14.6FT	7/10/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under EPA Region 2 protocol Standard Operating Procedure for Validation of Polychlorinated Biphenyl (PCB) Aroclor Data, SOP#QA-HWSS-A-006.

The data met the category B criterion and is therefore usable.

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Method Review: (SW-846) 8151A Chlorinated Herbicides

Lab Job ID: 480-230990-1

Lab ID	Field ID	Collection Date	Matrix
480-230990-1	SS-1	7/10/2025	soil
480-230990-2	TP-7 2-3FT	7/10/2025	soil
480-230990-8	SS-4	7/10/2025	soil
480-230990-9	TP-10 6-8FT	7/10/2025	soil
480-230990-10	TP-10 12-14.6FT	7/10/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly in accordance with the National Functional Guideline for Organic Superfund Method Data
Review.

The data met the category B criterion and is therefore usable.

Method Review: 1633 PFAS

Lab Job ID: 480-230990-1

Lab ID	Field ID	Collection Date	Matrix
480-230990-1	SS-1	7/10/2025	soil
480-230990-2	TP-7 2-3FT	7/10/2025	soil
480-230990-8	SS-4	7/10/2025	soil
480-230990-9	TP-10 6-8FT	7/10/2025	soil
480-230990-10	TP-10 12-14.6FT	7/10/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under EPA's National Functional Guideline for Organic Compounds, DEC's Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances, and method 1633.

The data met the category B criterion and is therefore usable.

A LaBella Company

Method Review: 6010D and 7471B Metals and Mercury

Lab Job ID: 480-230990-1

Lab ID	Field ID	Collection Date	Matrix
480-230990-1	SS-1	7/10/2025	soil
480-230990-2	TP-7 2-3FT	7/10/2025	soil
480-230990-3	SS-2	7/10/2025	soil
480-230990-4	TP-8 23-4FT	7/10/2025	soil
480-230990-5	SS-3	7/10/2025	soil
480-230990-6	TP-9 6-8FT	7/10/2025	soil
480-230990-7	TP-9 12FT	7/10/2025	soil
480-230990-8	SS-4	7/10/2025	soil
480-230990-9	TP-10 6-8FT	7/10/2025	soil
480-230990-10	TP-10 12-14.6FT	7/10/2025	soil
480-230990-11	TP-11 6-8FT	7/10/2025	soil
480-230990-12	SS-5	7/10/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under SOP#QA-HWSS-010.

• Within continuous calibration blank CCB 480 751979/60 and method bank MB 480-751777/1-A, metal Vanadium was detected as an estimated value. Within associated samples 480-230990-4 through 480-230990-12, metal was detected at concentrations more than 10 times the detected blanks. No further qualification is needed.

• Within method bank MB 480-751680/1-A, metals Barium and Zinc were detected as estimated values. Within the associated sample 480-230990-1, metals were detected at concentrations more than 10 times the detected blank. No further qualifications.

• Within matrix samples 480-230990-3MS/MSD metals Barium and mercury recovered above QC limits, while Aluminum and Calcium recovered below limit, leading to qualification as estimate bias high and estimate bias low "J+/J-" or non-detected estimate "UJ" values respectively.

• It is noted that the linear range check standard of Silver and Zinc were below the recovery limits, while Thallium was above the recovery of QC limits; no further qualification is needed.

The data met the category B criterion and is therefore usable.

Attachments for Method Review

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-230990-1

SDG No.:

Client Sample ID: TP-7 2-3FT | Lab Sample ID: 480-230990-2

Matrix: Solid | Lab File ID: R3114.D

Analysis Method: 8260C | Date Collected: 07/10/2025 09:00

Sample wt/vol: 5.424(g) | Date Analyzed: 07/16/2025 03:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) Y pH:

% Moisture: 17.5 % Solids: 82.5 | Level: (low/med) Low

Analysis Batch No.: 751832 | Units: ug/Kg

Preparation Batch No.: 751829 | Instrument ID: HP5977R

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.6	0.41
79-34-5	1,1,2,2-Tetrachloroethane	ND	*3 UJ	5.6	0.91
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3
79-00-5	1,1,2-Trichloroethane	ND		5.6	0.73
75-34-3	1,1-Dichloroethane	ND		5.6	0.68
75-35-4	1,1-Dichloroethene	ND		5.6	0.68
120-82-1	1,2,4-Trichlorobenzene	ND	*3 UJ	5.6	0.34
95-63-6	1,2,4-Trimethylbenzene	ND	*3 UJ	5.6	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*3 UJ	5.6	2.8
95-50-1	1,2-Dichlorobenzene	ND	*3 UJ	5.6	0.44
107-06-2	1,2-Dichloroethane	ND		5.6	0.28
78-87-5	1,2-Dichloropropane	ND		5.6	2.8
108-67-8	1,3,5-Trimethylbenzene	ND	*3 UJ	5.6	0.36
541-73-1	1,3-Dichlorobenzene	ND	*3 UJ	5.6	0.29
106-46-7	1,4-Dichlorobenzene	ND	*3 UJ	5.6	0.78
78-93-3	2-Butanone (MEK)	ND		28	2.0
591-78-6	2-Hexanone	ND		28	2.8
99-87-6	4-Isopropyltoluene	ND	*3 UJ	5.6	0.45
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		28	1.8
67-64-1	Acetone	ND		28	4.7
71-43-2	Benzene	ND		5.6	0.27
75-25-2	Bromoform	ND		5.6	2.8
74-83-9	Bromomethane	ND		5.6	0.50
75-15-0	Carbon disulfide	ND		5.6	2.8
56-23-5	Carbon tetrachloride	ND		5.6	0.54
108-90-7	Chlorobenzene	ND		5.6	0.74
124-48-1	Dibromochloromethane	ND		5.6	0.71
75-00-3	Chloroethane	ND		5.6	1.3
67-66-3	Chloroform	ND		5.6	0.35
74-87-3	Chloromethane	ND		5.6	0.34
156-59-2	cis-1,2-Dichloroethene	ND		5.6	0.71
110-82-7	Cyclohexane	ND		5.6	0.78

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-230990-1

SDG No.:

Client Sample ID: TP-7 2-3FT | Lab Sample ID: 480-230990-2

Matrix: Solid | Lab File ID: R3114.D

Analysis Method: 8260C | Date Collected: 07/10/2025 09:00

Sample wt/vol: 5.424(g) | Date Analyzed: 07/16/2025 03:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) Y pH:

% Moisture: 17.5 % Solids: 82.5 | Level: (low/med) Low

Analysis Batch No.: 751832 | Units: ug/Kg

Preparation Batch No.: 751829 | Instrument ID: HP5977R

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	ND		5.6	0.75
75-71-8	Dichlorodifluoromethane	ND		5.6	0.46
100-41-4	Ethylbenzene	ND		5.6	0.39
106-93-4	1,2-Dibromoethane	ND		5.6	0.72
98-82-8	Isopropylbenzene	ND	*3 UJ	5.6	0.84
79-20-9	Methyl acetate	ND		28	3.4
1634-04-4	Methyl tert-butyl ether	ND		5.6	0.55
108-87-2	Methylcyclohexane	ND		5.6	0.85
75-09-2	Methylene Chloride	ND		5.6	2.6
179601-23-1	m,p-Xylene	ND		11	0.94
91-20-3	Naphthalene	ND	*3 UJ	5.6	0.75
104-51-8	n-Butylbenzene	ND	*3 UJ	5.6	0.49
103-65-1	N-Propylbenzene	ND	*3 UJ	5.6	0.45
95-47-6	o-Xylene	ND		5.6	0.73
135-98-8	sec-Butylbenzene	ND	*3 UJ	5.6	0.49
127-18-4	Tetrachloroethene	4.8	J	5.6	0.75
108-88-3	Toluene	ND		5.6	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.6	0.58
10061-02-6	trans-1,3-Dichloropropene	ND		5.6	2.5
79-01-6	Trichloroethene	ND		5.6	1.2
75-69-4	Trichlorofluoromethane	ND		5.6	0.53
75-01-4	Vinyl chloride	ND		5.6	0.68
1330-20-7	Xylenes, Total	ND		11	0.94
10061-01-5	cis-1,3-Dichloropropene	ND		5.6	0.80
100-42-5	Styrene	ND		5.6	0.28
98-06-6	tert-Butylbenzene	ND	*3 UJ	5.6	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-230990-1

SDG No.:

Client Sample ID: TP-10 6-8FT | Lab Sample ID: 480-230990-9

Matrix: Solid | Lab File ID: S9666.d

Analysis Method: 8260C | Date Collected: 07/10/2025 13:20

Sample wt/vol: 6.435(g) | Date Analyzed: 07/17/2025 15:08

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 17.5 % Solids: 82.5 | Level: (low/med) Medium

Analysis Batch No.: 751995 | Units: ug/Kg

Preparation Batch No.: 752009 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		58	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		58	9.4
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	58	29
79-00-5	1,1,2-Trichloroethane	ND		58	12
75-34-3	1,1-Dichloroethane	ND		58	18
75-35-4	1,1-Dichloroethene	ND		58	20
120-82-1	1,2,4-Trichlorobenzene	ND		58	22
95-63-6	1,2,4-Trimethylbenzene	170		58	16
96-12-8	1,2-Dibromo-3-Chloropropane	ND		58	29
95-50-1	1,2-Dichlorobenzene	ND		58	15
107-06-2	1,2-Dichloroethane	ND		58	24
78-87-5	1,2-Dichloropropane	ND		58	9.4
108-67-8	1,3,5-Trimethylbenzene	98		58	17
541-73-1	1,3-Dichlorobenzene	ND		58	15
106-46-7	1,4-Dichlorobenzene	ND		58	8.1
78-93-3	2-Butanone (MEK)	ND		290	170
591-78-6	2-Hexanone	ND	UJ	290	120
99-87-6	4-Isopropyltoluene	ND		58	19
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*+UJ	290	18
67-64-1	Acetone	ND		290	240
71-43-2	Benzene	ND		58	11
75-25-2	Bromoform	ND		58	29
74-83-9	Bromomethane	ND		58	13
75-15-0	Carbon disulfide	ND		58	26
56-23-5	Carbon tetrachloride	ND		58	15
108-90-7	Chlorobenzene	ND		58	7.6
124-48-1	Dibromochloromethane	ND		58	28
75-00-3	Chloroethane	ND		58	12
67-66-3	Chloroform	ND		58	40
74-87-3	Chloromethane	ND		58	14
156-59-2	cis-1,2-Dichloroethene	ND		58	16
110-82-7	Cyclohexane	ND		58	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-230990-1

SDG No.:

Client Sample ID: SS-1 | Lab Sample ID: 480-230990-1

Matrix: Solid | Lab File ID: X000000364449.d

Analysis Method: 8270D | Date Collected: 07/10/2025 08:37

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.47(g) | Date Analyzed: 07/16/2025 04:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 1.8 % Solids: 98.2 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 751756 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND	UJ	490	180
95-95-4	2,4,5-Trichlorophenol	ND		840	170
88-06-2	2,4,6-Trichlorophenol	ND		840	130
120-83-2	2,4-Dichlorophenol	ND		840	160
105-67-9	2,4-Dimethylphenol	ND		840	180
51-28-5	2,4-Dinitrophenol	ND		8200	160
121-14-2	2,4-Dinitrotoluene	ND		840	110
606-20-2	2,6-Dinitrotoluene	ND		840	120
91-58-7	2-Chloronaphthalene	ND		840	160
95-57-8	2-Chlorophenol	ND		840	130
91-57-6	2-Methylnaphthalene	ND		840	130
95-48-7	2-Methylphenol	ND		840	140
88-74-4	2-Nitroaniline	ND	UJ	1600	140
88-75-5	2-Nitrophenol	ND		840	95
91-94-1	3,3'-Dichlorobenzidine	ND		1600	240
99-09-2	3-Nitroaniline	ND		1600	120
534-52-1	4,6-Dinitro-2-methylphenol	ND		1600	180
101-55-3	4-Bromophenyl phenyl ether	ND		840	140
59-50-7	4-Chloro-3-methylphenol	ND		840	170
106-47-8	4-Chloroaniline	ND		840	120
7005-72-3	4-Chlorophenyl phenyl ether	ND		840	180
106-44-5	4-Methylphenol	ND		1600	150
100-01-6	4-Nitroaniline	ND		1600	120
100-02-7	4-Nitrophenol	ND	UJ	1600	230
83-32-9	Acenaphthene	ND		840	160
208-96-8	Acenaphthylene	ND		840	160
98-86-2	Acetophenone	ND		840	150
120-12-7	Anthracene	370	J	840	150
1912-24-9	Atrazine	ND		840	280
100-52-7	Benzaldehyde	ND		840	640
56-55-3	Benzo[a]anthracene	1700		840	120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-230990-1

SDG No.:

Client Sample ID: SS-1 | Lab Sample ID: 480-230990-1

Matrix: Solid | Lab File ID: X000000364449.d

Analysis Method: 8270D | Date Collected: 07/10/2025 08:37

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.47(g) | Date Analyzed: 07/16/2025 04:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 1.8 % Solids: 98.2 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 751756 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	1900		840	140
205-99-2	Benzo[b]fluoranthene	2800		840	110
191-24-2	Benzo[g,h,i]perylene	1500		840	150
207-08-9	Benzo[k]fluoranthene	1100		840	190
92-52-4	Biphenyl	ND		840	160
108-60-1	bis (2-chloroisopropyl) ether	ND	UJ	840	170
111-91-1	Bis(2-chloroethoxy)methane	ND		840	160
111-44-4	Bis(2-chloroethyl)ether	ND		840	160
117-81-7	Bis(2-ethylhexyl) phthalate	ND		840	180
85-68-7	Butyl benzyl phthalate	ND		840	150
105-60-2	Caprolactam	ND		840	190
86-74-8	Carbazole	ND		840	160
218-01-9	Chrysene	2200		840	200
53-70-3	Dibenz(a,h)anthracene	410	J	840	170
132-64-9	Dibenzofuran	ND		840	150
84-66-2	Diethyl phthalate	ND		840	150
131-11-3	Dimethyl phthalate	ND		840	160
84-74-2	Di-n-butyl phthalate	ND		840	190
117-84-0	Di-n-octyl phthalate	ND		840	160
206-44-0	Fluoranthene	3600		840	150
86-73-7	Fluorene	ND		840	150
118-74-1	Hexachlorobenzene	ND		840	160
87-68-3	Hexachlorobutadiene	ND		840	120
77-47-4	Hexachlorocyclopentadiene	ND		1600	370
67-72-1	Hexachloroethane	ND		840	150
193-39-5	Indeno[1,2,3-cd]pyrene	1200		840	120
78-59-1	Isophorone	ND		840	170
91-20-3	Naphthalene	ND		840	140
98-95-3	Nitrobenzene	ND		840	140
621-64-7	N-Nitrosodi-n-propylamine	ND		840	190
86-30-6	N-Nitrosodiphenylamine	ND		840	140

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-230990-1

SDG No.:

Client Sample ID: TP-10 6-8FT | Lab Sample ID: 480-230990-9

Matrix: Solid | Lab File ID: X000000364543.d

Analysis Method: 8270D | Date Collected: 07/10/2025 13:20

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.49(g) | Date Analyzed: 07/18/2025 14:13

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 17.5 % Solids: 82.5 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	98	J	200	34
205-99-2	Benzo[b]fluoranthene	100	J	200	27
191-24-2	Benzo[g,h,i]perylene	ND		200	35
207-08-9	Benzo[k]fluoranthene	71	J	200	44
92-52-4	Biphenyl	560		200	37
108-60-1	bis (2-chloroisopropyl) ether	ND		200	41
111-91-1	Bis(2-chloroethoxy)methane	ND		200	38
111-44-4	Bis(2-chloroethyl)ether	ND		200	37
117-81-7	Bis(2-ethylhexyl) phthalate	ND	UJ	200	43
85-68-7	Butyl benzyl phthalate	ND	UJ	200	37
105-60-2	Caprolactam	ND		200	46
86-74-8	Carbazole	81	J	200	39
218-01-9	Chrysene	120	J	200	48
53-70-3	Dibenz(a,h)anthracene	ND		200	40
132-64-9	Dibenzofuran	1500		200	35
84-66-2	Diethyl phthalate	ND		200	36
131-11-3	Dimethyl phthalate	ND		200	38
84-74-2	Di-n-butyl phthalate	ND		200	44
117-84-0	Di-n-octyl phthalate	ND	UJ	200	38
206-44-0	Fluoranthene	550		200	36
86-73-7	Fluorene	1100		200	36
118-74-1	Hexachlorobenzene	ND		200	38
87-68-3	Hexachlorobutadiene	ND		200	30
77-47-4	Hexachlorocyclopentadiene	ND	UJ	390	87
67-72-1	Hexachloroethane	ND		200	36
193-39-5	Indeno[1,2,3-cd]pyrene	51	J	200	30
78-59-1	Isophorone	ND		200	41
91-20-3	Naphthalene	1400		200	33
98-95-3	Nitrobenzene	ND		200	33
621-64-7	N-Nitrosodi-n-propylamine	ND		200	44
86-30-6	N-Nitrosodiphenylamine	ND		200	33

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-230990-1

SDG No.:

Client Sample ID: TP-10 12-14.8FT | Lab Sample ID: 480-230990-10

Matrix: Solid | Lab File ID: X000000364544.d

Analysis Method: 8270D | Date Collected: 07/10/2025 13:50

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.57(g) | Date Analyzed: 07/18/2025 14:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 17.5 % Solids: 82.5 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND		200	34
205-99-2	Benzo[b]fluoranthene	ND		200	26
191-24-2	Benzo[g,h,i]perylene	ND		200	34
207-08-9	Benzo[k]fluoranthene	ND		200	44
92-52-4	Biphenyl	ND		200	37
108-60-1	bis (2-chloroisopropyl) ether	ND		200	40
111-91-1	Bis(2-chloroethoxy)methane	ND		200	38
111-44-4	Bis(2-chloroethyl)ether	ND		200	37
117-81-7	Bis(2-ethylhexyl) phthalate	ND	UJ	200	43
85-68-7	Butyl benzyl phthalate	ND	UJ	200	36
105-60-2	Caprolactam	ND		200	46
86-74-8	Carbazole	ND		200	39
218-01-9	Chrysene	ND		200	48
53-70-3	Dibenz(a,h)anthracene	ND		200	40
132-64-9	Dibenzofuran	ND		200	35
84-66-2	Diethyl phthalate	ND		200	35
131-11-3	Dimethyl phthalate	ND		200	38
84-74-2	Di-n-butyl phthalate	ND		200	44
117-84-0	Di-n-octyl phthalate	ND	UJ	200	38
206-44-0	Fluoranthene	ND		200	36
86-73-7	Fluorene	ND		200	36
118-74-1	Hexachlorobenzene	ND		200	38
87-68-3	Hexachlorobutadiene	ND		200	30
77-47-4	Hexachlorocyclopentadiene	ND	UJ	390	86
67-72-1	Hexachloroethane	ND		200	36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		200	29
78-59-1	Isophorone	ND		200	41
91-20-3	Naphthalene	ND		200	33
98-95-3	Nitrobenzene	ND		200	33
621-64-7	N-Nitrosodi-n-propylamine	ND		200	44
86-30-6	N-Nitrosodiphenylamine	ND		200	33

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-230990-1

SDG No.:

Client Sample ID: TP-11 6-8FT | Lab Sample ID: 480-230990-11

Matrix: Solid | Lab File ID: X000000364545.d

Analysis Method: 8270D | Date Collected: 07/10/2025 14:10

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.21(g) | Date Analyzed: 07/18/2025 15:03

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 17.5 % Solids: 82.5 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND		200	34
205-99-2	Benzo[b]fluoranthene	ND		200	27
191-24-2	Benzo[g,h,i]perylene	ND		200	35
207-08-9	Benzo[k]fluoranthene	ND		200	45
92-52-4	Biphenyl	ND		200	38
108-60-1	bis (2-chloroisopropyl) ether	ND		200	41
111-91-1	Bis(2-chloroethoxy)methane	ND		200	39
111-44-4	Bis(2-chloroethyl)ether	ND		200	38
117-81-7	Bis(2-ethylhexyl) phthalate	ND	UJ	200	44
85-68-7	Butyl benzyl phthalate	ND	UJ	200	37
105-60-2	Caprolactam	ND		200	47
86-74-8	Carbazole	ND		200	40
218-01-9	Chrysene	ND		200	49
53-70-3	Dibenz(a,h)anthracene	ND		200	41
132-64-9	Dibenzofuran	ND		200	36
84-66-2	Diethyl phthalate	ND		200	36
131-11-3	Dimethyl phthalate	ND		200	39
84-74-2	Di-n-butyl phthalate	ND		200	45
117-84-0	Di-n-octyl phthalate	ND	UJ	200	38
206-44-0	Fluoranthene	ND		200	37
86-73-7	Fluorene	ND		200	37
118-74-1	Hexachlorobenzene	ND		200	39
87-68-3	Hexachlorobutadiene	ND		200	30
77-47-4	Hexachlorocyclopentadiene	ND	UJ	390	88
67-72-1	Hexachloroethane	ND		200	37
193-39-5	Indeno[1,2,3-cd]pyrene	ND		200	30
78-59-1	Isophorone	ND		200	41
91-20-3	Naphthalene	ND		200	34
98-95-3	Nitrobenzene	ND		200	34
621-64-7	N-Nitrosodi-n-propylamine	ND		200	45
86-30-6	N-Nitrosodiphenylamine	ND		200	34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-230990-1

SDG No.:

Client Sample ID: SS-5 | Lab Sample ID: 480-230990-12

Matrix: Solid | Lab File ID: X000000364546.d

Analysis Method: 8270D | Date Collected: 07/10/2025 14:05

Extract. Method: 3546 | Date Extracted: 07/12/2025 07:49

Sample wt/vol: 15.96(g) | Date Analyzed: 07/18/2025 15:27

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 12.2 % Solids: 87.8 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 752098 | Units: ug/Kg

Preparation Batch No.: 751553 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND		1800	310
205-99-2	Benzo[b]fluoranthene	ND		1800	240
191-24-2	Benzo[g,h,i]perylene	ND		1800	320
207-08-9	Benzo[k]fluoranthene	ND		1800	410
92-52-4	Biphenyl	ND		1800	340
108-60-1	bis (2-chloroisopropyl) ether	ND		1800	370
111-91-1	Bis(2-chloroethoxy)methane	ND		1800	350
111-44-4	Bis(2-chloroethyl)ether	ND		1800	340
117-81-7	Bis(2-ethylhexyl) phthalate	ND	UJ	1800	390
85-68-7	Butyl benzyl phthalate	ND	UJ	1800	330
105-60-2	Caprolactam	ND		1800	420
86-74-8	Carbazole	ND		1800	360
218-01-9	Chrysene	ND		1800	440
53-70-3	Dibenz(a,h)anthracene	ND		1800	370
132-64-9	Dibenzofuran	ND		1800	320
84-66-2	Diethyl phthalate	ND		1800	320
131-11-3	Dimethyl phthalate	ND		1800	350
84-74-2	Di-n-butyl phthalate	ND	UJ	1800	410
117-84-0	Di-n-octyl phthalate	ND		1800	340
206-44-0	Fluoranthene	ND		1800	330
86-73-7	Fluorene	ND		1800	330
118-74-1	Hexachlorobenzene	ND		1800	350
87-68-3	Hexachlorobutadiene	ND		1800	270
77-47-4	Hexachlorocyclopentadiene	ND	UJ	3500	790
67-72-1	Hexachloroethane	ND		1800	330
193-39-5	Indeno[1,2,3-cd]pyrene	ND		1800	270
78-59-1	Isophorone	ND		1800	370
91-20-3	Naphthalene	ND		1800	300
98-95-3	Nitrobenzene	ND		1800	300
621-64-7	N-Nitrosodi-n-propylamine	ND		1800	410
86-30-6	N-Nitrosodiphenylamine	ND		1800	300

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SS-2
Lab Sample ID: 480-230990-3
Lab Name: Eurofins Buffalo
Job No.: 480-230990-1
SDG ID.:
Matrix: Solid
Date Sampled: 07/10/2025 10:00
Reporting Basis: DRY
Date Received: 07/10/2025 16:20
Preparation Batch Number: 751682
Instrument ID: ICAP3
% Solids: 93.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4700	11.1	9.5	mg/Kg			1	6010D
7440-36-0	Antimony	ND	16.6	0.59	mg/Kg	UJ	F1	1	6010D
7440-38-2	Arsenic	10.3	2.2	0.97	mg/Kg			1	6010D
7440-39-3	Barium	246	0.55	0.15	mg/Kg	J+	F1	1	6010D
7440-41-7	Beryllium	0.69	0.22	0.044	mg/Kg			1	6010D
7440-43-9	Cadmium	0.18	0.22	0.077	mg/Kg	J		1	6010D
7440-70-2	Calcium	21600	276	149	mg/Kg	J-	F1	5	6010D
7440-47-3	Chromium	13.8	0.55	0.40	mg/Kg			1	6010D
7440-48-4	Cobalt	6.1	0.55	0.11	mg/Kg			1	6010D
7440-50-8	Copper	41.0	1.1	0.63	mg/Kg			1	6010D
7439-89-6	Iron	13400	11.1	9.4	mg/Kg			1	6010D
7439-92-1	Lead	130	1.1	0.51	mg/Kg			1	6010D
7439-95-4	Magnesium	2930	22.1	9.4	mg/Kg			1	6010D
7439-96-5	Manganese	133	1.1	0.31	mg/Kg			1	6010D
7440-02-0	Nickel	16.3	5.5	0.28	mg/Kg			1	6010D
7440-09-7	Potassium	802	33.2	26.8	mg/Kg			1	6010D
7782-49-2	Selenium	1.1	4.4	0.88	mg/Kg	J		1	6010D
7440-22-4	Silver	ND	0.66	0.22	mg/Kg		^5-	1	6010D
7440-23-5	Sodium	160	155	67.8	mg/Kg			1	6010D
7440-28-0	Thallium	ND	6.6	0.84	mg/Kg		*+	1	6010D
7440-62-2	Vanadium	21.4	0.55	0.14	mg/Kg			1	6010D
7440-66-6	Zinc	55.7	2.2	1.1	mg/Kg		^5-	1	6010D
7439-97-6	Mercury	0.91	0.022	0.0050	mg/Kg	J+	F1	1	7471B

Environmental Assessment & Remediations
A LaBella Company

October 28, 2025

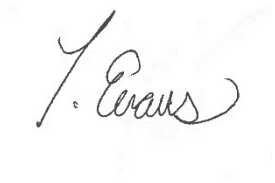
To: Stephen Campana
Labella Associates DPC
300 Pearl Street, Suite 130
Buffalo, NY 14202

Subject: 9 Lakeview Ave BCP Service- Data Usability Summary Report

The Following Item Transmitted:
Data Package:

Originals	Description of Materials	Electronic/ Hard Copy
1	480-231016-1_NYSDEC_CatB_Package_Mini_Final Report.pdf	Electronic

Signature:



Tracey Evans
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Environmental Assessment & Remediations
A Labella Company
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9 Lakeview Ave BCP Service, Data Usability Summary Report for July 11, 2025, Soil Samples

Client: Labella Associates DPC
Laboratory: Eurofins Environmental Testing (NELAP ID 10026,10975,11452)
Site: 9 Lakeview Ave BCP Service
Project Number: 2253075

Lab Job ID: 480-231016-1

				Methods Evaluated							
Lab ID	Field ID	Collection Date	Matrix	VOCs 8260C	SVOCs 8270D	Pesticides 8081B	PCBs 8082A	Herbicides 8151A	PFAS 1633A	Metals 6010D and 7471B	General Chemistry *
480-231016-1	TP-14 2-4	7/11/2025	soil		x					x	x
480-231016-2	DUP-1	7/11/2025	soil		x					x	x
480-231016-3	TP-12 3-5	7/11/2025	soil		x					x	x
480-231016-4	TP-13 3-5	7/11/2025	soil		x					x	x
480-231016-5	TP-15 2-3	7/11/2025	soil	x	x	x	x	x	x	x	x
480-231016-6	Exp-2 2-4	7/11/2025	soil	x	x					x	x

GC-General Chemistry section includes Percent Moisture/ Percent Solid

Laboratory report reviewed under:

- USEPA Contract Laboratory Program National Functional Guidance for Organic Superfund Methods Data Review, EPA 542-R-20-005 (January 2020).
- USEPA Contract Laboratory Program National Functional Guidance for Inorganic Superfund Methods Data Review, EPA 542-R-20-006 (January 2020).
- VOA Standard Operation for the Validation of Volatile Data, QA-HWSS-A-004 (March 2022).
- VOA Standard Operation for the Validation of Semivolatile Data, QA-HWSS-A-005 (April 2022).
- Standard Operating Procedure for the Validation of Pesticide Data, QA-HWSS-A-007 (April 2022)
- Standard Operating Procedure for the Validation of Polychlorinated Biphenyl (PCB) Aroclor Data, SOP#QA-HWSS-A-006 (March 2022)
- Standard Operating Procedure for the Validation of Mercury Data, SOP#QA-HWSS-A-011 (March 2022)
- Standard Operating Procedure for the Validation of Cyanide Data, SOP#QA-HWSS-A-012 (March 2022)
- Sampling, Analysis, And Assessment of Per- and Polyfluoroalkyl Substances (PFAS) (Under NYSDEC's Part 375 Remedial Program) (April 2023)
- Standard Operating Procedure for the Validation of ICP-AES Data, QA-HWSS-A-010 (February 2022)
- Standard Methods for the Examination of Water and Wastewater, 24th edition, SM 2540 Solids (2017)
- Professional judgment.

Criteria for Data Usability Summary Report

Completeness:
A complete data package contains all relevant and related material, packaged for distribution to its client, in accordance with the Analytical Service Protocol (ASP) Category B Deliverables guidelines.

Compliant:
A compliant data package is determined to contain all work related to the production of laboratory data in a manner consistent with the Quality Assurance Program Plan.

Overall Usability Issue

Data validation completed per the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.

This analytical report complies with the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.

In conclusion, the data reviewed in this report is usable data which meets criteria for compliance with methods 8260C, 8270D, 8081B, 8082A,8151A, 1633A, 6010D, and 7471B. Percent Moisture and Percent Solid conducted under EPA Method 40 CFR 60.17 was completed without issue.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.

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Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocylcohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronapthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
ND	Non-detected or Not Detected
PID	Photo Ionization Detector

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Data Validation Acronyms

PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
%D	Percent Drift
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation

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Data Validation Qualifiers

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

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Method Review: 8260C VOCs

Lab Job ID: 480-231016-1

Lab ID	Field ID	Collection Date	Matrix
480-231016-5	TP-15 2-3	7/11/2025	soil
480-231016-6	Exp02 2-4	7/11/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under USEPA Contract Laboratory Program National Functional Guidance for Super Organic Methods Data and QA-HWSS-A-004 VOA Standard Operation for the Validation of Volatile
Data.

• Within continuous calibration, CCVIS 480-751944/5, analytes 2,2-Dichloropropane recovered above the upper limits of %D control limits but is not an analyte sampled for; no further qualification is needed.

• Within matrix samples 480-231016-5 MS/MSD contained numerous analytes that failed recovery, which led to the classification of non-detect estimate "UJ" values within the parent sample 480-231016-5. Detected analyte Acetone is qualified as an estimated "J" value; no further qualification is needed.

Method Review: 8270D SVOCs

Lab Job ID: 480-231016-1

Lab ID	Field ID	Collection Date	Matrix
480-231016-1	TP-14 2-4	7/11/2025	soil
480-231016-2	DUP-1	7/11/2025	soil
480-231016-3	TP-12 3-5	7/11/2025	soil
480-231016-4	TP-13 3-5	7/11/2025	soil
480-231016-5	TP-15 2-3	7/11/2025	soil
480-231016-6	Exp-2 2-4	7/11/2025	soil

Reviewer Summary:

Samples were handled and analyzed properly under EPA Region 2 protocol Standard Operating Procedure for Validation of Semivolatile Data, QA-HWSS-A-005, along with the EPA's National Functional Guideline for Organic Compounds.

• Within initial calibration, RSD% over 20% for the analyte Benzaldehyde occurred, but was not detected within any samples; no qualification is needed.

• Within matrix samples 480-231016-5 MS/MSD, analytes 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, 4-Chloroaniline, and Hexachlorocyclopentadiene recovery was below QC limits, which led to qualification of non-detect estimate "UJ" values within parent sample 480-231016-5.

• Field Duplicate pair TP-14 2-4 and DUP-1 had some analytes that were within acceptable relative percent difference, while several analytes, such as 2-Methylnaphthalene, Fluoranthene, and Naphthalene, were above RPD limits (50%). DUP-1 sample was diluted by the laboratory, which could account for the variation in findings. No further qualification needed.

The data met the category B criterion and is therefore usable.

Method Review: 8081B Pesticides

Lab Job ID: 480-231016-1

Lab ID	Field ID	Collection Date	Matrix
480-231016-5	TP-15 2-3	7/10/2025	soil

Reviewer Summary:

Samples were handled and analyzed properly under EPA Region 2 Standard Operating Procedure for Validation of Pesticides Data, QA-HWSS-A_007.

• Within matrix spike 480-231016-5 MSD, all analytes exceeded RPD limits, which would have led to estimated "J" values qualification of detected analytes within parent sample 480-231016-5. As all detected analytes were already qualified as estimated values, no further qualification is needed.

• %RPD of certain detected pesticides was greater than 25% between the two columns used. As all analytes were detected as estimated "J" values, no further qualification is needed.

The data met the category B criterion and is therefore usable.

Method Review: 8082A PCB

Lab Job ID: 480-231016-1

Lab ID	Field ID	Collection Date	Matrix
480-231016-5	TP-15 2-3	7/10/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under EPA Region 2 protocol Standard Operating Procedure for Validation of Polychlorinated Biphenyl (PCB) Aroclor Data, SOP#QA-HWSS-A-006.

The data met the category B criterion and is therefore usable.

Method Review: (SW-846) 8151A Chlorinated Herbicides

Lab Job ID: 480-231016-1

Lab ID	Field ID	Collection Date	Matrix
480-231016-5	TP-15 2-3	7/10/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly in accordance with the National Functional Guideline for Organic Superfund Method Data Review.

The data met the category B criterion and is therefore usable.

Method Review: 1633 PFAS

Lab Job ID: 480-231016-1

Lab ID	Field ID	Collection Date	Matrix
480-231016-5	TP-15 2-3	7/10/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under EPA National Functional Guideline for Organic Compounds, DEC's Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances, and method 1633.

The data met the category B criterion and is therefore usable.

Method Review: 6010D and 7473 Metals and Mercury

Lab Job ID: 480-231016-1

Lab ID	Field ID	Collection Date	Matrix
480-231016-1	TP-14 2-4	7/11/2025	soil
480-231016-2	DUP-1	7/11/2025	soil
480-231016-3	TP-12 3-5	7/11/2025	soil
480-231016-4	TP-13 3-5	7/11/2025	soil
480-231016-5	TP-15 2-3	7/11/2025	soil
480-231016-6	Exp02 2-4	7/11/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under SOP#QA-HWSS-A-010.

• It is noted that the linear range check standards of Silver and Zinc were below the recovery limit; no further qualification is needed.

• Duplicate pair TP-14 2-4 and DUP-1 samples, results had several metals which recovered over 50% (red font), which led to qualification as estimated "J" values within both samples.

The data met the category B criterion and is therefore usable.

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Blind Duplicate Comparison 8270D

Analytes	Original Sample TP-14 2-4	Blind Duplicate DUP-1	Relative Percent Difference
2-Methylnaphthalene	130	460	111.86
ANTHRACENE	57	-	NA
BENZO(A)ANTHRACENE	230	140	48.65
BENZO(A)PYRENE	250	-	NA
BENZO(B)FLUORANTHENE	310	200	43.14
BENZO(G,H,I)PERYLENE	210	-	NA
BENZO(K)FLUORANTHENE	170	-	NA
CARBAZOLE	43	-	NA
CHRYSENE	270	-	NA
DIBENZ(A,H)ANTHRACENE	55	-	NA
DIBENZOFURAN	38	-	NA
FLUORANTHENE	550	260	71.60
INDENO(1,2,3-C,D)PYRENE	160	-	NA
NAPHTHALENE	110	310	95.24
PHENANTHRENE	350	240	37.29
PYRENE	400	-	NA

Reviewer comments: Field Duplicate pair TP-14 2-4 and DUP-1 had some analytes which were within acceptable relative percent difference, while several analytes, such as 2-Methylnaphthalene, Fluoranthene, and Naphthalene, were above RPD limits (50%). DUP-1 sample was diluted by the laboratory, which could account for the variation in findings. No further qualification needed.

Blind Duplicate Comparison 6010D and 7473 Metals and Mercury

Analytes	Original Sample TP-14 2-4	Blind Duplicate DUP-1	Relative Percent Difference
ALUMINUM	21500	10700	67.08
ARSENIC	7.6	10	27.27
BARIUM	140	248	55.67
BERYLLIUM	1.1	1.3	16.67
CADMIUM	0.57	1.6	94.93
CALCIUM	35300	110000	102.82
CHROMIUM, TOTAL	84.5	446	136.29

COPPER	**35.6**	**87**	**83.85**
IRON	30700	47700	43.37
LEAD	**106**	**222**	**70.73**
MAGNESIUM	**7260**	**16300**	**76.74**
MANGANESE	**1160**	**13300**	**167.91**
POTASSIUM	**4500**	**1370**	**106.64**
SILVER	0.39	1.1	95.30
SODIUM	187	302	47.03
VANADIUM	**43.5**	**74.5**	**52.54**
ZINC	188	227	18.80
COBALT	11.3	11.5	1.75
NICKEL	28.1	45.2	46.66
MERCURY	**0.17**	**0.08**	**72.00**
THALLIUM	-	3.6 J	NA
SELENIUM	**-**	7.4	NA

Reviewer comment: Comparing Duplicate pair TP-14 2-4 and DUP-1 samples, results had several metals which recovered over 50% (red font), which led to qualification as estimated "J" values within both samples.

Attachments for Method Review

Original Report Results

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231016-1

SDG No.:

Client Sample ID: TP-15 2-3 | Lab Sample ID: 480-231016-5

Matrix: Solid | Lab File ID: M19451.D

Analysis Method: 8260C | Date Collected: 07/11/2025 12:00

Sample wt/vol: 6.581(g) | Date Analyzed: 07/16/2025 23:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) Y pH:

% Moisture: 18.1 % Solids: 81.9 | Level: (low/med) Low

Analysis Batch No.: 751944 | Units: ug/Kg

Preparation Batch No.: 751942 | Instrument ID: HP5977M

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	F1 UJ	4.6	0.34
79-34-5	1,1,2,2-Tetrachloroethane	ND	F1 UJ	4.6	0.75
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	1.1
79-00-5	1,1,2-Trichloroethane	ND	F1 UJ	4.6	0.60
75-34-3	1,1-Dichloroethane	ND		4.6	0.57
75-35-4	1,1-Dichloroethene	ND		4.6	0.57
120-82-1	1,2,4-Trichlorobenzene	ND	F1 UJ	4.6	0.28
95-63-6	1,2,4-Trimethylbenzene	ND	F1 UJ	4.6	0.89
96-12-8	1,2-Dibromo-3-Chloropropane	ND	F1 UJ	4.6	2.3
95-50-1	1,2-Dichlorobenzene	ND	F1 UJ	4.6	0.36
107-06-2	1,2-Dichloroethane	ND	F1 UJ	4.6	0.23
78-87-5	1,2-Dichloropropane	ND	F1 UJ	4.6	2.3
108-67-8	1,3,5-Trimethylbenzene	ND	F1 UJ	4.6	0.30
541-73-1	1,3-Dichlorobenzene	ND	F1 UJ	4.6	0.24
106-46-7	1,4-Dichlorobenzene	ND	F1 UJ	4.6	0.65
78-93-3	2-Butanone (MEK)	4.1	J F1	23	1.7
591-78-6	2-Hexanone	ND	F1 UJ	23	2.3
99-87-6	4-Isopropyltoluene	ND	F1 UJ	4.6	0.37
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	F1 UJ	23	1.5
67-64-1	Acetone	29	F1 J	23	3.9
71-43-2	Benzene	ND	F1 UJ	4.6	0.23
75-25-2	Bromoform	ND	F1 UJ	4.6	2.3
74-83-9	Bromomethane	ND		4.6	0.42
75-15-0	Carbon disulfide	ND	F1 UJ	4.6	2.3
56-23-5	Carbon tetrachloride	ND	F1 UJ	4.6	0.45
108-90-7	Chlorobenzene	ND	F1 UJ	4.6	0.61
124-48-1	Dibromochloromethane	ND	F1 UJ	4.6	0.59
75-00-3	Chloroethane	ND	F1 UJ	4.6	1.0
67-66-3	Chloroform	ND	F1 UJ	4.6	0.29
74-87-3	Chloromethane	ND		4.6	0.28
156-59-2	cis-1,2-Dichloroethene	ND	F1 UJ	4.6	0.59
110-82-7	Cyclohexane	ND	F1 UJ	4.6	0.65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231016-1

SDG No.:

Client Sample ID: TP-15 2-3 | Lab Sample ID: 480-231016-5

Matrix: Solid | Lab File ID: M19451.D

Analysis Method: 8260C | Date Collected: 07/11/2025 12:00

Sample wt/vol: 6.581(g) | Date Analyzed: 07/16/2025 23:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) Y pH:

% Moisture: 18.1 % Solids: 81.9 | Level: (low/med) Low

Analysis Batch No.: 751944 | Units: ug/Kg

Preparation Batch No.: 751942 | Instrument ID: HP5977M

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	ND	F1 UJ	4.6	0.62
75-71-8	Dichlorodifluoromethane	ND		4.6	0.38
100-41-4	Ethylbenzene	ND	F1 UJ	4.6	0.32
106-93-4	1,2-Dibromoethane	ND	F1 UJ	4.6	0.60
98-82-8	Isopropylbenzene	ND	F1 UJ	4.6	0.70
79-20-9	Methyl acetate	ND	F1 UJ	23	2.8
1634-04-4	Methyl tert-butyl ether	ND	F1 UJ	4.6	0.46
108-87-2	Methylcyclohexane	ND	F1 UJ	4.6	0.70
75-09-2	Methylene Chloride	ND		4.6	2.1
179601-23-1	m,p-Xylene	ND	F1 UJ	9.3	0.78
91-20-3	Naphthalene	ND	F1 UJ	4.6	0.62
104-51-8	n-Butylbenzene	ND	F1 UJ	4.6	0.40
103-65-1	N-Propylbenzene	ND	F1 UJ	4.6	0.37
95-47-6	o-Xylene	ND	F1 UJ	4.6	0.61
135-98-8	sec-Butylbenzene	ND	F1 UJ	4.6	0.40
127-18-4	Tetrachloroethene	ND	F1 UJ	4.6	0.62
108-88-3	Toluene	ND	F1 UJ	4.6	0.35
156-60-5	trans-1,2-Dichloroethene	ND	F1 UJ	4.6	0.48
10061-02-6	trans-1,3-Dichloropropene	ND	F1 UJ	4.6	2.0
79-01-6	Trichloroethene	ND	F1 UJ	4.6	1.0
75-69-4	Trichlorofluoromethane	ND		4.6	0.44
75-01-4	Vinyl chloride	ND		4.6	0.57
1330-20-7	Xylenes, Total	ND	F1 UJ	9.3	0.78
10061-01-5	cis-1,3-Dichloropropene	ND	F1 UJ	4.6	0.67
100-42-5	Styrene	ND	F1 UJ	4.6	0.23
98-06-6	tert-Butylbenzene	ND	F1 UJ	4.6	0.48

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231016-1

SDG No.:

Client Sample ID: TP-15 2-3 | Lab Sample ID: 480-231016-5

Matrix: Solid | Lab File ID: V3172826.d

Analysis Method: 8270D | Date Collected: 07/11/2025 12:00

Extract. Method: 3546 | Date Extracted: 07/15/2025 13:36

Sample wt/vol: 15.10(g) | Date Analyzed: 07/16/2025 18:20

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 18.1 % Solids: 81.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 751875 | Units: ug/Kg

Preparation Batch No.: 751807 | Instrument ID: HP5973V

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		120	45
95-95-4	2,4,5-Trichlorophenol	ND		210	42
88-06-2	2,4,6-Trichlorophenol	ND		210	31
120-83-2	2,4-Dichlorophenol	ND		210	40
105-67-9	2,4-Dimethylphenol	ND		210	43
51-28-5	2,4-Dinitrophenol	ND	F1 UJ	2000	39
121-14-2	2,4-Dinitrotoluene	ND		210	28
606-20-2	2,6-Dinitrotoluene	ND		210	29
91-58-7	2-Chloronaphthalene	ND		210	38
95-57-8	2-Chlorophenol	ND		210	32
91-57-6	2-Methylnaphthalene	90	J	210	32
95-48-7	2-Methylphenol	ND		210	33
88-74-4	2-Nitroaniline	ND		400	35
88-75-5	2-Nitrophenol	ND		210	23
91-94-1	3,3'-Dichlorobenzidine	ND		400	60
99-09-2	3-Nitroaniline	ND		400	29
534-52-1	4,6-Dinitro-2-methylphenol	ND	F2 UJ	400	45
101-55-3	4-Bromophenyl phenyl ether	ND		210	35
59-50-7	4-Chloro-3-methylphenol	ND		210	42
106-47-8	4-Chloroaniline	ND	F2 UJ	210	29
7005-72-3	4-Chlorophenyl phenyl ether	ND		210	43
106-44-5	4-Methylphenol	ND		400	37
100-01-6	4-Nitroaniline	ND		400	30
100-02-7	4-Nitrophenol	ND		400	56
83-32-9	Acenaphthene	100	J	210	38
208-96-8	Acenaphthylene	53	J	210	39
98-86-2	Acetophenone	ND		210	36
120-12-7	Anthracene	300		210	38
1912-24-9	Atrazine	ND		210	69
100-52-7	Benzaldehyde	ND		210	160
56-55-3	Benzo[a]anthracene	710		210	28

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231016-1

SDG No.:

Client Sample ID: TP-15 2-3 | Lab Sample ID: 480-231016-5

Matrix: Solid | Lab File ID: V3172826.d

Analysis Method: 8270D | Date Collected: 07/11/2025 12:00

Extract. Method: 3546 | Date Extracted: 07/15/2025 13:36

Sample wt/vol: 15.10(g) | Date Analyzed: 07/16/2025 18:20

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 18.1 % Solids: 81.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 751875 | Units: ug/Kg

Preparation Batch No.: 751807 | Instrument ID: HP5973V

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	660		210	35
205-99-2	Benzo[b]fluoranthene	780		210	28
191-24-2	Benzo[g,h,i]perylene	480		210	36
207-08-9	Benzo[k]fluoranthene	410		210	46
92-52-4	Biphenyl	ND		210	39
108-60-1	bis (2-chloroisopropyl) ether	ND		210	42
111-91-1	Bis(2-chloroethoxy)methane	ND		210	39
111-44-4	Bis(2-chloroethyl)ether	ND		210	39
117-81-7	Bis(2-ethylhexyl) phthalate	ND		210	45
85-68-7	Butyl benzyl phthalate	ND		210	38
105-60-2	Caprolactam	ND		210	47
86-74-8	Carbazole	110	J	210	40
218-01-9	Chrysene	740		210	49
53-70-3	Dibenz(a,h)anthracene	130	J	210	41
132-64-9	Dibenzofuran	120	J	210	36
84-66-2	Diethyl phthalate	ND		210	37
131-11-3	Dimethyl phthalate	ND		210	40
84-74-2	Di-n-butyl phthalate	ND		210	46
117-84-0	Di-n-octyl phthalate	ND		210	39
206-44-0	Fluoranthene	1600		210	37
86-73-7	Fluorene	110	J	210	38
118-74-1	Hexachlorobenzene	ND		210	40
87-68-3	Hexachlorobutadiene	ND		210	31
77-47-4	Hexachlorocyclopentadiene	ND	F1 UJ	400	90
67-72-1	Hexachloroethane	ND		210	37
193-39-5	Indeno[1,2,3-cd]pyrene	390		210	31
78-59-1	Isophorone	ND		210	42
91-20-3	Naphthalene	130	J	210	34
98-95-3	Nitrobenzene	ND		210	34
621-64-7	N-Nitrosodi-n-propylamine	ND		210	46
86-30-6	N-Nitrosodiphenylamine	ND		210	34

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: TP-14 2-4
Lab Sample ID: 480-231016-1
Lab Name: Eurofins Buffalo
Job No.: 480-231016-1
SDG ID.:
Matrix: Solid
Date Sampled: 07/11/2025 10:30
Reporting Basis: DRY
Date Received: 07/11/2025 15:50
Preparation Batch Number: 751782
Instrument ID: ICAP3
% Solids: 80.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	21500	11.7	10.1	mg/Kg		J	1	6010D
7440-36-0	Antimony	ND	17.5	0.62	mg/Kg			1	6010D
7440-38-2	Arsenic	7.6	2.3	1.0	mg/Kg			1	6010D
7440-39-3	Barium	140	0.58	0.16	mg/Kg		J	1	6010D
7440-41-7	Beryllium	1.1	0.23	0.047	mg/Kg			1	6010D
7440-43-9	Cadmium	0.57	0.23	0.082	mg/Kg		J	1	6010D
7440-70-2	Calcium	35300	58.5	31.6	mg/Kg		J	1	6010D
7440-47-3	Chromium	84.5	0.58	0.42	mg/Kg		J	1	6010D
7440-48-4	Cobalt	11.3	0.60	0.12	mg/Kg			1	6010D
7440-50-8	Copper	35.6	1.2	0.67	mg/Kg		J	1	6010D
7439-89-6	Iron	30700	11.7	9.9	mg/Kg			1	6010D
7439-92-1	Lead	106	1.2	0.54	mg/Kg		J	1	6010D
7439-95-4	Magnesium	7260	23.4	9.9	mg/Kg		J	1	6010D
7439-96-5	Manganese	1160	1.2	0.33	mg/Kg		J	1	6010D
7440-02-0	Nickel	28.1	6.0	0.30	mg/Kg			1	6010D
7440-09-7	Potassium	4500	35.1	28.4	mg/Kg		J	1	6010D
7782-49-2	Selenium	ND	4.7	0.94	mg/Kg			1	6010D
7440-22-4	Silver	0.39	0.70	0.23	mg/Kg	J	^5-	1	6010D
7440-23-5	Sodium	187	164	71.7	mg/Kg			1	6010D
7440-28-0	Thallium	ND	7.0	0.89	mg/Kg			1	6010D
7440-62-2	Vanadium	43.5	0.58	0.15	mg/Kg		J	1	6010D
7440-66-6	Zinc	188	2.3	1.2	mg/Kg		^5-	1	6010D
7439-97-6	Mercury	0.17	0.026	0.0060	mg/Kg		J	1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DUP 1
Lab Sample ID: 480-231016-2
Lab Name: Eurofins Buffalo
Job No.: 480-231016-1
SDG ID.:
Matrix: Solid
Date Sampled: 07/11/2025 00:00
Reporting Basis: DRY
Date Received: 07/11/2025 15:50
Preparation Batch Number: 751782
Instrument ID: ICAP3
% Solids: 85.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10700	11.2	9.7	mg/Kg		J	1	6010D
7440-36-0	Antimony	ND	16.8	0.59	mg/Kg			1	6010D
7440-38-2	Arsenic	10	2.2	0.99	mg/Kg			1	6010D
7440-39-3	Barium	248	0.56	0.16	mg/Kg		J	1	6010D
7440-41-7	Beryllium	1.3	0.22	0.045	mg/Kg			1	6010D
7440-43-9	Cadmium	1.6	0.22	0.078	mg/Kg		J	1	6010D
7440-70-2	Calcium	110000	280	151	mg/Kg		J	5	6010D
7440-47-3	Chromium	446	0.56	0.40	mg/Kg		J	1	6010D
7440-48-4	Cobalt	11.5	0.58	0.12	mg/Kg			1	6010D
7440-50-8	Copper	87.0	1.1	0.64	mg/Kg		J	1	6010D
7439-89-6	Iron	47700	11.2	9.5	mg/Kg			1	6010D
7439-92-1	Lead	222	1.1	0.52	mg/Kg		J	1	6010D
7439-95-4	Magnesium	16300	22.4	9.5	mg/Kg		J	1	6010D
7439-96-5	Manganese	13300	5.6	1.6	mg/Kg		J	5	6010D
7440-02-0	Nickel	45.2	5.8	0.29	mg/Kg			1	6010D
7440-09-7	Potassium	1370	33.6	27.2	mg/Kg		J	1	6010D
7782-49-2	Selenium	7.4	4.5	0.90	mg/Kg			1	6010D
7440-22-4	Silver	1.1	0.67	0.22	mg/Kg		^5-	1	6010D
7440-23-5	Sodium	302	157	68.7	mg/Kg			1	6010D
7440-28-0	Thallium	3.6	6.7	0.85	mg/Kg	J		1	6010D
7440-62-2	Vanadium	74.5	0.56	0.15	mg/Kg		J	1	6010D
7440-66-6	Zinc	227	2.2	1.1	mg/Kg		^5-	1	6010D
7439-97-6	Mercury	0.080	0.024	0.0056	mg/Kg		J	1	7471B

Environmental Assessment & Remediations
A LaBella Company

October 28, 2025

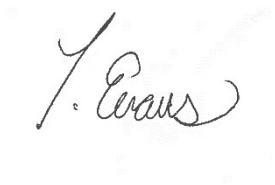
To: Stephen Campana
Labella Associates DPC
300 Pearl Street, Suite 130
Buffalo, NY 14202

Subject: 9 Lakeview Ave BCP Service- Data Usability Summary Report

The Following Item Transmitted:
Data Package:

Originals	Description of Materials	Electronic/ Hard Copy
1	480-231828-1_NYSDEC_CatB_Package_Mini_Final Report.pdf	Electronic

Signature:



Tracey Evans
Chemist
tevans@labellapc.com
Environmental Assessment & Remediations
A Labella Company
225 Atlantic Avenue
Patchogue, New York 11772
631-447-6400 ext.124

9 Lakeview Ave BCP Service, Data Usability Summary Report forAugust11-13, 2025, Soil Samples

Client: Labella Associates DPC
Laboratory: Eurofins Environmental Testing (NELAP ID 10026,10975,11452)
Site: 9 Lakeview Ave BCP Service
Project Number: 2253075

Lab Job ID: 480-231016-1										
				Methods Evaluated						
Lab ID	Field ID	Collection Date	Matrix	VOCs 8260C	SVOCs 8270D	Pesticides 8081B	PCBs 8082A	Herbicides 8151A	PFAS 1633A	Metals 6010D and 7471B
480-231828-1	MW-1 10-12	8/11/2025	soil	x	x	x	x	x	x	x
480-231828-2	MW-2 6-8	8/12/2025	soil	x	x	x	x	x	x	x
480-231828-3	MW-2 10-12	8/12/2025	soil	x	x	x		x		x
480-231828-4	MW-3 4-6	8/12/2025	soil	x	x	x	x	x	x	x
480-231828-5	MW-4 8-10	8/12/2025	soil	x	x					x
480-231828-6	MW-4 24-26	8/12/2025	soil	x	x	x	x	x	x	x
480-231828-7	MW-5 4-6	8/12/2025	soil	x	x	x	x	x	x	x
480-231828-8	SB-01 6-8	8/12/2025	soil	x	x					x
480-231828-9	SB-02 10-12	8/12/2025	soil	x	x					x
480-231828-10	SB-03 2-4	8/13/2025	soil	x	x					x
480-231828-11	SB-03 0-2	8/13/2025	soil	x	x					x

GC-General Chemistry section includes Percent Moisture/ Percent Solid

Laboratory report reviewed under:

- USEPA Contract Laboratory Program National Functional Guidance for Organic Superfund Methods Data Review, EPA 542-R-20-005 (January 2020).
- USEPA Contract Laboratory Program National Functional Guidance for Inorganic Superfund Methods Data Review, EPA 542-R-20-006 (January 2020).
- VOA Standard Operation for the Validation of Volatile Data, QA-HWSS-A-004 (March 2022).
- VOA Standard Operation for the Validation of Semivolatile Data, QA-HWSS-A-005 (April 2022).
- Standard Operating Procedure for the Validation of Pesticide Data, QA-HWSS-A-007 (April 2022)
- Standard Operating Procedure for the Validation of Polychlorinated Biphenyl (PCB) Aroclor Data, SOP#QA-HWSS-A-006 (March 2022)
- Standard Operating Procedure for the Validation of Mercury Data, SOP#QA-HWSS-A-011 (March 2022)
- Standard Operating Procedure for the Validation of Cyanide Data, SOP#QA-HWSS-A-012 (March 2022)
- Sampling, Analysis, And Assessment of Per- and Polyfluoroalkyl Substances (PFAS) (Under NYSDEC's Part 375 Remedial Program) (April 2023)
- Standard Operating Procedure for the Validation of ICP-AES Data, QA-HWSS-A-010 (February 2022)
- Standard Methods for the Examination of Water and Wastewater, 24th edition, SM 2540 Solids (2017)
- Professional judgment.

Criteria for Data Usability Summary Report

Completeness:
A complete data package contains all relevant and related material, packaged for distribution to its client, in accordance with the Analytical Service Protocol (ASP) Category B Deliverables guidelines.

Compliant:
A compliant data package is determined to contain all work related to the production of laboratory data in a manner consistent with the Quality Assurance Program Plan.

Overall Usability Issue

Data validation completed per the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.

This analytical report complies with the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.

In conclusion, the data reviewed in this report is usable data which meets the criteria for compliance with methods 8260C, 8270D, 8081B, 8082A,8151A, 1633A, 6010D, and 7471B. Percent Moisture and Percent Solid conducted under EPA Method 40 CFR 60.17 was completed without issue.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.

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Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocylcohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronapthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
ND	Non-detected or Not Detected
PID	Photo Ionization Detector

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Data Validation Acronyms

PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
%D	Percent Drift
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation

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Data Validation Qualifiers

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

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Method Review: 8260C VOCs

Lab Job ID: 480-231828-1

Lab ID	Field ID	Collection Date	Matrix
480-231828-1	MW-1 10-12	8/11/2025	soil
480-231828-2	MW-2 6-8	8/12/2025	soil
480-231828-3	MW-2 10-12	8/12/2025	soil
480-231828-4	MW-3 4-6	8/12/2025	soil
480-231828-5	MW-4 8-10	8/12/2025	soil
480-231828-6	MW-4 24-26	8/12/2025	soil
480-231828-7	MW-5 4-6	8/12/2025	soil
480-231828-8	SB-01 6-8	8/12/2025	soil
480-231828-9	SB-02 10-12	8/12/2025	soil
480-231828-10	SB-03 2-4	8/13/2025	soil
480-231828-11	SB-03 0-2	8/13/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under USEPA Contract Laboratory Program National Functional Guidance for Super Organic Methods Data and QA-HWSS-A-004 VOA Standard Operation for the Validation of Volatile Data.

The data met the category B criterion and is therefore usable.

Method Review: 8270D SVOCs

Lab Job ID: 480-231828-1

Lab ID	Field ID	Collection Date	Matrix
480-231828-1	MW-1 10-12	8/11/2025	soil
480-231828-2	MW-2 6-8	8/12/2025	soil
480-231828-3	MW-2 10-12	8/12/2025	soil
480-231828-4	MW-3 4-6	8/12/2025	soil
480-231828-5	MW-4 8-10	8/12/2025	soil

480-231828-6	MW-4 24-26	8/12/2025	soil
480-231828-7	MW-5 4-6	8/12/2025	soil
480-231828-8	SB-01 6-8	8/12/2025	soil
480-231828-9	SB-02 10-12	8/12/2025	soil
480-231828-10	SB-03 2-4	8/13/2025	soil
480-231828-11	SB-03 0-2	8/13/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under EPA Region 2 protocol Standard Operating Procedure for Validation of Semivolatile Data, QA-HWSS-A-005, along with the EPA's National Functional Guideline for Organic Compounds.

• Within matrix samples 480-231828-6 MS/MSD, analytes 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitroaniline, 4-Bromophenyl phenyl ether, 4-Chlorophenyl phenyl ether, Acenaphthylene, Anthracene, Atrazine, Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Chrysene, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Fluoranthene, Fluorene, and Indeno[1,2,3-cd]pyrene recovery was below QC limits which led to qualification of non-detect estimate "UJ" values within parent sample 480-231828-6.

The data met the category B criterion and is therefore usable.

Method Review: 8081B Pesticides

Lab Job ID: 480-231828-1

Lab ID	Field ID	Collection Date	Matrix
480-231828-1	MW-1 10-12	8/11/2025	soil
480-231828-2	MW-2 6-8	8/12/2025	soil
480-231828-3	MW-2 10-12	8/12/2025	soil
480-231828-4	MW-3 4-6	8/12/2025	soil
480-231828-6	MW-4 24-26	8/12/2025	soil
480-231828-7	MW-5 4-6	8/12/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under EPA Region 2 Standard Operating Procedure for Validation of Pesticides Data, QA-HWSS-A_007.

• %RPD of certain detected pesticides was greater than 25% between the two columns used. As all analytes were detected as estimated "J" values, no further qualification is needed.

The data met the category B criterion and is therefore usable.

Method Review: 8082A PCB

Lab Job ID: 480-231828-1

Lab ID	Field ID	Collection Date	Matrix
480-231828-1	MW-1 10-12	8/11/2025	soil
480-231828-2	MW-2 6-8	8/12/2025	soil
480-231828-4	MW-3 4-6	8/12/2025	soil
480-231828-6	MW-4 24-26	8/12/2025	soil
480-231828-7	MW-5 4-6	8/12/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under EPA Region 2 protocol Standard Operating Procedure for Validation of Polychlorinated Biphenyl (PCB) Aroclor Data, SOP#QA-HWSS-A-006.

• Within continuous calibration, CCVIS 480-754678/4, analyte PCB-1016 Peak 1, recovered above the upper limits of %D control limits, which led to the qualification of non-detect estimate "UJ" values within all samples.

The data met the category B criterion and is therefore usable.

Method Review: (SW-846) 8151A Chlorinated Herbicides

Lab Job ID: 480-231828-1

Lab ID	Field ID	Collection Date	Matrix
480-231828-1	MW-1 10-12	8/11/2025	soil
480-231828-2	MW-2 6-8	8/12/2025	soil
480-231828-3	MW-2 10-12	8/12/2025	soil
480-231828-4	MW-3 4-6	8/12/2025	soil
480-231828-6	MW-4 24-26	8/12/2025	soil
480-231828-7	MW-5 4-6	8/12/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly in accordance with the National Functional Guideline for Organic Superfund Method Data
Review.

The data met the category B criterion and is therefore usable.

Method Review: 1633 PFAS

Lab Job ID: 480-231828-1

Lab ID	Field ID	Collection Date	Matrix
480-231828-1	MW-1 10-12	8/11/2025	soil
480-231828-2	MW-2 6-8	8/12/2025	soil
480-231828-4	MW-3 4-6	8/12/2025	soil
480-231828-6	MW-4 24-26	8/12/2025	soil
480-231828-7	MW-5 4-6	8/12/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under EPA's National Functional Guideline for Organic Compounds, DEC's Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances, and method 1633.

• Several internal standards recovered above the QC limit within samples, but no associated analytes were detected; no further qualification was needed
.
The data met the category B criterion and is therefore usable.

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Method Review: 6010D and 7473 Metals and Mercury

Lab Job ID: 480-231828-1

Lab ID	Field ID	Collection Date	Matrix
480-231828-1	MW-1 10-12	8/11/2025	soil
480-231828-2	MW-2 6-8	8/12/2025	soil
480-231828-3	MW-2 10-12	8/12/2025	soil
480-231828-4	MW-3 4-6	8/12/2025	soil
480-231828-5	MW-4 8-10	8/12/2025	soil
480-231828-6	MW-4 24-26	8/12/2025	soil
480-231828-7	MW-5 4-6	8/12/2025	soil
480-231828-8	SB-01 6-8	8/12/2025	soil
480-231828-9	SB-02 10-12	8/12/2025	soil
480-231828-10	SB-03 2-4	8/13/2025	soil
480-231828-11	SB-03 0-2	8/13/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under SOP#QA-HWSS-A-010.

• It is noted that the linear range check standard of Silver was below the recovery limit, while Arsenic and Copper were above the recovery limit; no further qualification is needed.

The data met the category B criterion and is therefore usable.

Attachments for Method Review

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231828-1

SDG No.:

Client Sample ID: MW-4 24-26 | Lab Sample ID: 480-231828-6

Matrix: Solid | Lab File ID: X000000365033.d

Analysis Method: 8270D | Date Collected: 08/12/2025 13:30

Extract. Method: 3546 | Date Extracted: 08/15/2025 06:57

Sample wt/vol: 15.43(g) | Date Analyzed: 08/18/2025 17:40

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 18.0 % Solids: 82.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 754593 | Units: ug/Kg

Preparation Batch No.: 754398 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		120	44
95-95-4	2,4,5-Trichlorophenol	ND		200	41
88-06-2	2,4,6-Trichlorophenol	ND		200	30
120-83-2	2,4-Dichlorophenol	ND		200	39
105-67-9	2,4-Dimethylphenol	ND		200	42
51-28-5	2,4-Dinitrophenol	ND		2000	38
121-14-2	2,4-Dinitrotoluene	ND	F1 UJ	200	27
606-20-2	2,6-Dinitrotoluene	ND	F1 UJ	200	29
91-58-7	2-Chloronaphthalene	ND		200	37
95-57-8	2-Chlorophenol	ND		200	31
91-57-6	2-Methylnaphthalene	ND		200	32
95-48-7	2-Methylphenol	ND		200	32
88-74-4	2-Nitroaniline	ND	F1 UJ	390	34
88-75-5	2-Nitrophenol	ND		200	23
91-94-1	3,3'-Dichlorobenzidine	ND		390	59
99-09-2	3-Nitroaniline	ND		390	28
534-52-1	4,6-Dinitro-2-methylphenol	ND		390	44
101-55-3	4-Bromophenyl phenyl ether	ND	F1 F2 UJ	200	34
59-50-7	4-Chloro-3-methylphenol	ND		200	41
106-47-8	4-Chloroaniline	ND		200	29
7005-72-3	4-Chlorophenyl phenyl ether	ND	F1 UJ	200	42
106-44-5	4-Methylphenol	ND		390	36
100-01-6	4-Nitroaniline	ND		390	29
100-02-7	4-Nitrophenol	ND		390	55
83-32-9	Acenaphthene	ND	F1 UJ	200	37
208-96-8	Acenaphthylene	ND		200	39
98-86-2	Acetophenone	ND		200	35
120-12-7	Anthracene	ND	F1 UJ	200	37
1912-24-9	Atrazine	ND	F1 F2 UJ	200	68
100-52-7	Benzaldehyde	ND		200	150
56-55-3	Benzo[a]anthracene	ND	F1 UJ	200	28

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231828-1

SDG No.:

Client Sample ID: MW-4 24-26 | Lab Sample ID: 480-231828-6

Matrix: Solid | Lab File ID: X000000365033.d

Analysis Method: 8270D | Date Collected: 08/12/2025 13:30

Extract. Method: 3546 | Date Extracted: 08/15/2025 06:57

Sample wt/vol: 15.43(g) | Date Analyzed: 08/18/2025 17:40

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 18.0 % Solids: 82.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 754593 | Units: ug/Kg

Preparation Batch No.: 754398 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	ND	F1 UJ	200	34
205-99-2	Benzo[b]fluoranthene	ND	F2 UJ	200	27
191-24-2	Benzo[g,h,i]perylene	ND		200	35
207-08-9	Benzo[k]fluoranthene	ND		200	45
92-52-4	Biphenyl	ND		200	38
108-60-1	bis (2-chloroisopropyl) ether	ND		200	41
111-91-1	Bis(2-chloroethoxy)methane	ND		200	38
111-44-4	Bis(2-chloroethyl)ether	ND		200	38
117-81-7	Bis(2-ethylhexyl) phthalate	ND		200	44
85-68-7	Butyl benzyl phthalate	ND		200	37
105-60-2	Caprolactam	ND		200	46
86-74-8	Carbazole	ND		200	39
218-01-9	Chrysene	ND	F1 F2	UJ 200	48
53-70-3	Dibenz(a,h)anthracene	ND		200	41
132-64-9	Dibenzofuran	ND	F1 UJ	200	35
84-66-2	Diethyl phthalate	ND	F1 UJ	200	36
131-11-3	Dimethyl phthalate	ND	F1 F2	UJ 200	39
84-74-2	Di-n-butyl phthalate	ND		200	45
117-84-0	Di-n-octyl phthalate	ND		200	38
206-44-0	Fluoranthene	ND	F1 UJ	200	37
86-73-7	Fluorene	ND	F1 F2	UJ 200	37
118-74-1	Hexachlorobenzene	ND		200	39
87-68-3	Hexachlorobutadiene	ND		200	30
77-47-4	Hexachlorocyclopentadiene	ND		390	88
67-72-1	Hexachloroethane	ND		200	37
193-39-5	Indeno[1,2,3-cd]pyrene	ND	F1 F2	UJ 200	30
78-59-1	Isophorone	ND		200	41
91-20-3	Naphthalene	ND		200	33
98-95-3	Nitrobenzene	ND		200	34
621-64-7	N-Nitrosodi-n-propylamine	ND		200	45
86-30-6	N-Nitrosodiphenylamine	ND		200	34

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231828-1

SDG No.:

Client Sample ID: MW-1 10-12 | Lab Sample ID: 480-231828-1

Matrix: Solid | Lab File ID: 60004596.D

Analysis Method: 8082A | Date Collected: 08/11/2025 00:00

Extraction Method: 3550C | Date Extracted: 08/18/2025 11:08

Sample wt/vol: 2.62(g) | Date Analyzed: 08/19/2025 12:06

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 13.0 % Solids: 87.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 754678 | Units: mg/Kg

Preparation Batch No.: 754619 | Instrument ID: HP6890-6

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND	UJ	0.22	0.043
11104-28-2	PCB-1221	ND		0.22	0.043
11141-16-5	PCB-1232	ND		0.22	0.043
53469-21-9	PCB-1242	ND		0.22	0.043
12672-29-6	PCB-1248	ND		0.22	0.043
11097-69-1	PCB-1254	ND		0.22	0.10
11096-82-5	PCB-1260	ND		0.22	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	128		60-154
2051-24-3	DCB Decachlorobiphenyl	128		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231828-1

SDG No.:

Client Sample ID: MW-2 6-8 | Lab Sample ID: 480-231828-2

Matrix: Solid | Lab File ID: 60004597.D

Analysis Method: 8082A | Date Collected: 08/12/2025 11:00

Extraction Method: 3550C | Date Extracted: 08/18/2025 11:08

Sample wt/vol: 2.38(g) | Date Analyzed: 08/19/2025 12:25

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 15.1 % Solids: 84.9 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 754678 | Units: mg/Kg

Preparation Batch No.: 754619 | Instrument ID: HP6890-6

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND	UJ	0.25	0.048
11104-28-2	PCB-1221	ND		0.25	0.048
11141-16-5	PCB-1232	ND		0.25	0.048
53469-21-9	PCB-1242	ND		0.25	0.048
12672-29-6	PCB-1248	ND		0.25	0.048
11097-69-1	PCB-1254	ND		0.25	0.12
11096-82-5	PCB-1260	ND		0.25	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	130		60-154
2051-24-3	DCB Decachlorobiphenyl	127		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231828-1

SDG No.:

Client Sample ID: MW-3 4-6 | Lab Sample ID: 480-231828-4

Matrix: Solid | Lab File ID: 60004598.D

Analysis Method: 8082A | Date Collected: 08/12/2025 10:10

Extraction Method: 3550C | Date Extracted: 08/18/2025 11:08

Sample wt/vol: 2.65(g) | Date Analyzed: 08/19/2025 12:43

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 14.2 % Solids: 85.8 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 754678 | Units: mg/Kg

Preparation Batch No.: 754619 | Instrument ID: HP6890-6

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND	UJ	0.22	0.043
11104-28-2	PCB-1221	ND		0.22	0.043
11141-16-5	PCB-1232	ND		0.22	0.043
53469-21-9	PCB-1242	ND		0.22	0.043
12672-29-6	PCB-1248	ND		0.22	0.043
11097-69-1	PCB-1254	ND		0.22	0.10
11096-82-5	PCB-1260	ND		0.22	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	120		60-154
2051-24-3	DCB Decachlorobiphenyl	117		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231828-1

SDG No.:

Client Sample ID: MW-4 24-26 | Lab Sample ID: 480-231828-6

Matrix: Solid | Lab File ID: 60004599.D

Analysis Method: 8082A | Date Collected: 08/12/2025 13:30

Extraction Method: 3550C | Date Extracted: 08/18/2025 11:08

Sample wt/vol: 2.28(g) | Date Analyzed: 08/19/2025 13:02

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 18.0 % Solids: 82.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 754678 | Units: mg/Kg

Preparation Batch No.: 754619 | Instrument ID: HP6890-6

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND	UJ	0.27	0.052
11104-28-2	PCB-1221	ND		0.27	0.052
11141-16-5	PCB-1232	ND		0.27	0.052
53469-21-9	PCB-1242	ND		0.27	0.052
12672-29-6	PCB-1248	ND		0.27	0.052
11097-69-1	PCB-1254	ND		0.27	0.13
11096-82-5	PCB-1260	ND		0.27	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	125		60-154
2051-24-3	DCB Decachlorobiphenyl	121		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231828-1

SDG No.:

Client Sample ID: MW-5 4-6 | Lab Sample ID: 480-231828-7

Matrix: Solid | Lab File ID: 60004600.D

Analysis Method: 8082A | Date Collected: 08/13/2025 09:40

Extraction Method: 3550C | Date Extracted: 08/18/2025 11:08

Sample wt/vol: 2.68(g) | Date Analyzed: 08/19/2025 13:20

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 13.4 % Solids: 86.6 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 754678 | Units: mg/Kg

Preparation Batch No.: 754619 | Instrument ID: HP6890-6

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND	UJ	0.22	0.042
11104-28-2	PCB-1221	ND		0.22	0.042
11141-16-5	PCB-1232	ND		0.22	0.042
53469-21-9	PCB-1242	ND		0.22	0.042
12672-29-6	PCB-1248	ND		0.22	0.042
11097-69-1	PCB-1254	ND		0.22	0.10
11096-82-5	PCB-1260	ND		0.22	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	122		60-154
2051-24-3	DCB Decachlorobiphenyl	116		65-174

Environmental Assessment & Remediations
A LaBella Company

October 28, 2025

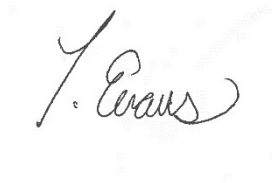
To: Stephen Campana
Labella Associates DPC
300 Pearl Street, Suite 130
Buffalo, NY 14202

Subject: 9 Lakeview Ave BCP Service- Data Usability Summary Report

The Following Item Transmitted:
Data Package:

Originals	Description of Materials	Electronic/ Hard Copy
1	480-2309904-2_NYSDEC_CatB_Package_Mini_Final Report.pdf	Electronic

Signature:



Tracey Evans
Chemist
tevans@labellapc.com
Environmental Assessment & Remediations
A Labella Company
225 Atlantic Avenue
Patchogue, New York 11772
631-447-6400 ext.124

A LaBella Company

9 Lakeview Ave BCP Service, Data Usability Summary Report for July 10, 2025, Soil Samples

Client: Labella Associates DPC
Laboratory: Eurofins Environmental Testing (NELAP ID 10026,10975,11452)
Site: 9 Lakeview Ave BCP Service
Project Number: 2253075

Lab Job ID: 480-230990-1				Method Evaluated
Lab ID	Field ID	Collection Date	Matrix	Chromium 7196A and SM 3500 CR D
480-230990-1	SS-1	7/10/2025	soil	x
480-230990-2	TP-7 2-3FT	7/10/2025	soil	x
480-230990-3	SS-2	7/10/2025	soil	x
480-230990-4	TP-8 23-4FT	7/10/2025	soil	x
480-230990-5	SS-3	7/10/2025	soil	x
480-230990-8	SS-4	7/10/2025	soil	x
480-230990-12	SS-5	7/10/2025	soil	x

Laboratory report reviewed under:

- USEPA Contract Laboratory Program National Functional Guidance for Inorganic Superfund Methods Data Review, EPA 542-R-20-006 (January 2020

Criteria for Data Usability Summary Report

Completeness:
A complete data package contains all relevant and related material, packaged for distribution to its client, in accordance with the Analytical Service Protocol (ASP) Category B Deliverables guidelines. m

Compliant:
A compliant data package is determined to contain all work related to the production of laboratory data in a manner consistent with the Quality Assurance Program Plan.

Overall Usability Issue
Data validation completed per the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.
This analytical report complies with the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.

In conclusion, the data reviewed in this report is usable data that meets the criteria for compliance with methods 7196A and SM3500.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.

A LaBella Company

Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocylcohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronapthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
ND	Non-detected or Not Detected
PID	Photo Ionization Detector
PCB	Polychlorinated biphenyl

A LaBella Company

Data Validation Acronyms

PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
%D	Percent Drift
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation

A LaBella Company

Data Validation Qualifiers

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

Method Review: 7196A Hexavalent Chromium and SM 3500 Cr D Trivalent Chromium

Lab Job ID: 480-230990-1

Lab ID	Field ID	Collection Date	Matrix
480-230990-1	SS-1	7/10/2025	soil
480-230990-2	TP-7 2-3FT	7/10/2025	soil
480-230990-3	SS-2	7/10/2025	soil
480-230990-4	TP-8 23-4FT	7/10/2025	soil
480-230990-5	SS-3	7/10/2025	soil
480-230990-8	SS-4	7/10/2025	soil
480-230990-12	SS-5	7/10/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under USEPA Contract Laboratory Program National Functional Guidance for Super Inorganic Methods Data Review.

•Method 7196A was not extracted and analyzed within hold times; samples 480-230990-2, 480-230990-4, and 480-230990-8 are qualified as estimated bias low "J-" values.

The data met the category B criterion and is therefore usable.

Attachments for Method Review

Original Report Results

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TP-7 2-3FT
Lab Sample ID: 480-230990-2
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-230990-2
SDG ID.:
Matrix: Solid
Date Sampled: 07/10/2025 09:00
Reporting Basis: DRY
Date Received: 07/10/2025 16:20
Preparation Batch Number: 690690
Instrument ID: 6138-1cm
% Solids: 82.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Cr (VI)	4.8	2.0	0.67	mg/Kg		H J-	4	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TP-8 3-4FT
Lab Sample ID: 480-230990-4
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-230990-2
SDG ID.:
Matrix: Solid
Date Sampled: 07/10/2025 10:25
Reporting Basis: DRY
Date Received: 07/10/2025 16:20
Preparation Batch Number: 690690
Instrument ID: 6138-1cm
% Solids: 81.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Cr (VI)	0.26	0.52	0.17	mg/Kg	J -	H	1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SS-4
Lab Sample ID: 480-230990-8
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-230990-2
SDG ID.:
Matrix: Solid
Date Sampled: 07/10/2025 12:40
Reporting Basis: DRY
Date Received: 07/10/2025 16:20
Preparation Batch Number: 690690
Instrument ID: 6138-1cm
% Solids: 85.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Cr (VI)	0.18	0.49	0.16	mg/Kg	J -	H	1	7196A

Environmental Assessment & Remediations
A LaBella Company

October 28, 2025

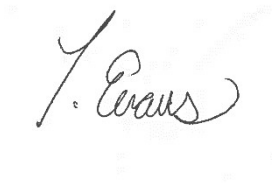
To: Stephen Campana
Labella Associates DPC
300 Pearl Street, Suite 130
Buffalo, NY 14202

Subject: 9 Lakeview Ave BCP Service- Data Usability Summary Report

The Following Item Transmitted:
Data Package::

Originals	Description of Materials	Electronic/ Hard Copy
1	480-231016-2_NYSDEC_CatB_Package_Mini_Final Report.pdf	Electronic

Signature:



Tracey Evans
Chemist
tevans@labellapc.com
Environmental Assessment & Remediations
A Labella Company
225 Atlantic Avenue
Patchogue, New York 11772
631-447-6400 ext.124

9 Lakeview Ave BCP Service, Data Usability Summary Report for July 11, 2025, Soil Samples

Client: Labella Associates DPC
Laboratory: Eurofins Environmental Testing (NELAP ID 10026,10975,11452)
Site: 9 Lakeview Ave BCP Service
Project Number: 2253075

Lab Job ID: 480-231016-1				
				Method Evaluated
Lab ID	Field ID	Collection Date	Matrix	Chromium 7196A and SM 3500 CR D
480-231016-1	TP-14 2-4	7/11/2025	soil	x
480-231016-3	TP-12 3-5	7/11/2025	soil	x
480-231016-4	TP-13 3-5	7/11/2025	soil	x
480-231016-5	TP-15 2-3	7/11/2025	soil	x
480-231016-6	Exp-2 2-4	7/11/2025	soil	x

Laboratory report reviewed under:

- USEPA Contract Laboratory Program National Functional Guidance for Inorganic Superfund Methods Data Review, EPA 542-R-20-006 (January 2020

Criteria for Data Usability Summary Report

Completeness:
A complete data package contains all relevant and related material, packaged for distribution to its client, in accordance with the Analytical Service Protocol (ASP) Category B Deliverables guidelines. m

Compliant:
A compliant data package is determined to contain all work related to the production of laboratory data in a manner consistent with the Quality Assurance Program Plan.

Overall Usability Issue
Data validation completed per the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.
This analytical report complies with the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.

In conclusion, the data reviewed in this report is usable data that meets the criteria for compliance with methods 7196A and SM3500.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.

A LaBella Company

Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocylcohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronapthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
ND	Non-detected or Not Detected
PID	Photo Ionization Detector
PCB	Polychlorinated biphenyl

A LaBella Company

Data Validation Acronyms

PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
%D	Percent Drift
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation

A LaBella Company

Data Validation Qualifiers

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

Method Review: 7196A Hexavalent Chromium and SM 3500 Cr D Trivalent Chromium

Lab Job ID: 480-231016-1

Lab ID	Field ID	Collection Date	Matrix
480-231016-1	TP-14 2-4	7/11/2025	soil
480-231016-3	TP-12 3-5	7/11/2025	soil
480-231016-4	TP-13 3-5	7/11/2025	soil
480-231016-5	TP-15 2-3	7/11/2025	soil
480-231016-6	Exp-2 2-4	7/11/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under USEPA Contract Laboratory Program National Functional Guidance for Super Inorganic Methods Data Review.

•Method 7196A was not extracted and analyzed within hold times; sample 480-231016-1 is qualified as an estimated bias low "J-" value.

The data met the category B criterion and is therefore usable.

Attachments for Method Review

Original Report Results

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TP-14 2-4
Lab Sample ID: 480-231016-1
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-231016-2
SDG ID.:
Matrix: Solid
Date Sampled: 07/11/2025 10:30
Reporting Basis: DRY
Date Received: 07/11/2025 15:50
Preparation Batch Number: 690791
Instrument ID: 6138-1cm
% Solids: 80.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Cr (VI)	0.46	0.51	0.17	mg/Kg	J -	H	1	7196A

Environmental Assessment & Remediations
A LaBella Company

October 28, 2025

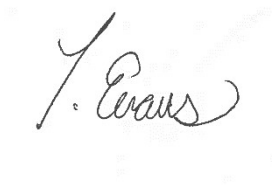
To: Stephen Campana
Labella Associates DPC
300 Pearl Street, Suite 130
Buffalo, NY 14202

Subject: 9 Lakeview Ave BCP Service- Data Usability Summary Report

The Following Item Transmitted:
Data Package::

Originals	Description of Materials	Electronic/ Hard Copy
1	480-231828-2_NYSDEC_CatB_Package_Mini_Final Report.pdf	Electronic

Signature:



Tracey Evans
Chemist
tevans@labellapc.com
Environmental Assessment & Remediations
A Labella Company
225 Atlantic Avenue
Patchogue, New York 11772
631-447-6400 ext.124

9 Lakeview Ave BCP Service, Data Usability Summary Report for August 13, 2025, Soil Sample

Client: Labella Associates DPC
Laboratory: Eurofins Environmental Testing (NELAP ID 10026,10975,11452)
Site: 9 Lakeview Ave BCP Service
Project Number: 2253075

Lab Job ID: 480-2318281				
				Method Evaluated
Lab ID	Field ID	Collection Date	Matrix	Chromium 7196A and SM 3500 CR D
480-231828-11	SB-03 0-2	8/13/2025	soil	x

Laboratory report reviewed under:

- USEPA Contract Laboratory Program National Functional Guidance for Inorganic Superfund Methods Data Review, EPA 542-R-20-006 (January 2020)

Criteria for Data Usability Summary Report

Completeness:
A complete data package contains all relevant and related material, packaged for distribution to its client, in accordance with the Analytical Service Protocol (ASP) Category B Deliverables guidelines. m

Compliant:
A compliant data package is determined to contain all work related to the production of laboratory data in a manner consistent with the Quality Assurance Program Plan.

Overall Usability Issue
Data validation completed per the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.
This analytical report complies with the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.

In conclusion, the data reviewed in this report is usable data that meets the criteria for compliance with methods 7196A and SM3500.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.

A LaBella Company

Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocylcohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronapthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
ND	Non-detected or Not Detected
PID	Photo Ionization Detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins

A LaBella Company

Data Validation Acronyms

PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
%D	Percent Drift
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation

A LaBella Company

Data Validation Qualifiers

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

Method Review: 7196A Hexavalent Chromium and SM 3500 Cr D Trivalent Chromium

Lab Job ID: 480-231828-1

Lab ID	Field ID	Collection Date	Matrix
480-231828-11	SB-03 0-2	8/13/2025	soil

Reviewer Summary:
Sample were handled and analyzed properly under USEPA Contract Laboratory Program National Functional Guidance for Super Inorganic Methods Data Review.

Data is within the category B criterion and is usable.

Environmental Assessment & Remediations
A LaBella Company

October 28, 2025

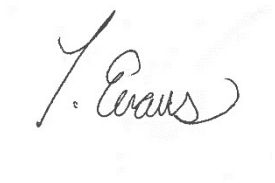
To: Stephen Campana
Labella Associates DPC
300 Pearl Street, Suite 130
Buffalo, NY 14202

Subject: 9 Lakeview Ave BCP Service- Data Usability Summary Report

The Following Item Transmitted:
Data Package::

Originals	Description of Materials	Electronic/ Hard Copy
1	480-232498-2_NYSDEC_CatB_Package_Mini_Final Report.pdf	Electronic

Signature:



Tracey Evans
Chemist
tevans@labellapc.com
Environmental Assessment & Remediations
A Labella Company
225 Atlantic Avenue
Patchogue, New York 11772
631-447-6400 ext.124

A LaBella Company

9 Lakeview Ave BCP Service, Data Usability Summary Report for August 11, 2025 Air Samples

Client: Labella Associates DPC
Laboratory: Eurofins Environmental Testing (NELAP ID 10026,10975,11452)
Site: 9 Lakeview Ave BCP Service
Project Number: 2253075

Lab Job ID: 480-2318281				
				Method Evaluated
Lab ID	Field ID	Collection Date	Matrix	TO-15
480-232498-1	SV-1	8/11/2025	Air (4 hrs.)	x
480-232498-2	SV-2	8/11/2025	Air (4 hrs.)	x
480-232498-3	SV-3	8/11/2025	Air (4 hrs.)	x
480-232498-4	SV-4	8/11/2025	Air (4 hrs.)	x
480-232498-5	SV-5	8/11/2025	Air (4 hrs.)	x
480-232498-6	OA	8/11/2025	Air (4 hrs.)	x

Laboratory report reviewed under:

- USEPA Region 2 *Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15,* SOP HW-31, Revised 6 (September 2016)

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005 (November 2020)

Criteria for Data Usability Summary Report

Completeness:
A complete data package contains all relevant and related material, packaged for distribution to its client, in accordance with the Analytical Service Protocol (ASP) Category B Deliverables guidelines. m

Compliant:
A compliant data package is determined to contain all work related to the production of laboratory data in a manner consistent with the Quality Assurance Program Plan.

Overall Usability Issue
Data validation completed per the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.
This analytical report complies with the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.

In conclusion, the data reviewed in this report is usable and valid as it passes all stated criteria for compliance with method TO-15.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.

A LaBella Company

Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocylcohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
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DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronapthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
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MB	Method Blank
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BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
ND	Non-detected or Not Detected
PID	Photo Ionization Detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins

A LaBella Company

Data Validation Acronyms

PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
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A LaBella Company

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Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

A LaBella Company

Method Review: TO-15

Lab Job ID: 480-232498-1

Lab ID	Field ID	Collection Date	Matrix
480-232498-1	SV-1	8/11/2025	Air (4 hrs.)
480-232498-2	SV-2	8/11/2025	Air (4 hrs.)
480-232498-3	SV-3	8/11/2025	Air (4 hrs.)
480-232498-4	SV-4	8/11/2025	Air (4 hrs.)
480-232498-5	SV-5	8/11/2025	Air (4 hrs.)
480-232498-6	OA	8/11/2025	Air (4 hrs.)

Reviewer Summary:
Samples were handled and analyzed properly under EPA's National Functional Guideline for Organic Compounds and SOP NO. HW-31.

All samples were analyzed after hold time, leading to the qualification of all analytes as estimated or non-detect estimated "J/UJ" values.

The data met the category B criterion and is therefore usable.

Attachments for Method Review

Original Report Results

FORM I

AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-1 Lab Sample ID: 480-232498-1

Matrix: Air Lab File ID: 6S15X11.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:15

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 12:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ug/m3

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND	H UJ	1.1	0.24
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND	H UJ	1.4	0.30
79-00-5	1,1,2-Trichloroethane	133.41	ND	H UJ	1.1	0.40
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.99	J H	1.5	0.41
75-34-3	1,1-Dichloroethane	98.96	ND	H UJ	0.81	0.10
75-35-4	1,1-Dichloroethene	96.94	ND	H	0.20	0.10
120-82-1	1,2,4-Trichlorobenzene	181.45	ND	H	3.7	0.38
95-63-6	1,2,4-Trimethylbenzene	120.20	ND	H	0.98	0.39
106-93-4	1,2-Dibromoethane	187.87	ND	H	1.5	0.32
95-50-1	1,2-Dichlorobenzene	147.00	ND	H	1.2	0.40
107-06-2	1,2-Dichloroethane	98.96	ND	H	0.81	0.38
78-87-5	1,2-Dichloropropane	112.99	ND	H	0.92	0.43
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.69	J H	1.4	0.34
108-67-8	1,3,5-Trimethylbenzene	120.20	ND	H UJ	0.98	0.23
106-99-0	1,3-Butadiene	54.09	ND	H	0.44	0.086
541-73-1	1,3-Dichlorobenzene	147.00	ND	H	1.2	0.45
106-46-7	1,4-Dichlorobenzene	147.00	ND	H	1.2	0.54
123-91-1	1,4-Dioxane	88.11	ND	H	18	0.17
540-84-1	2,2,4-Trimethylpentane	114.23	3.1	H J	0.93	0.18
95-49-8	2-Chlorotoluene	126.59	ND	H UJ	1.0	0.24
107-05-1	3-Chloropropene	76.53	ND	H	1.6	0.38
622-96-8	4-Ethyltoluene	120.20	ND	H	0.98	0.24
99-87-6	4-Isopropyltoluene	134.22	ND	H	1.1	0.34
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	ND	H	2.1	0.53
67-64-1	Acetone	58.08	24	H J	12	3.8
71-43-2	Benzene	78.11	4.4	H J	0.64	0.14
100-44-7	Benzyl chloride	126.58	ND	H UJ	1.0	0.46
75-27-4	Bromodichloromethane	163.83	ND	H UJ	1.3	0.34
593-60-2	Bromoethene(Vinyl Bromide)	106.96	ND	H UJ	0.88	0.22

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-1 Lab Sample ID: 480-232498-1

Matrix: Air Lab File ID: 6S15X11.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:15

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 12:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ug/m3

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-25-2	Bromoform	252.75	ND	H UJ	2.1	1.2
74-83-9	Bromomethane	94.94	ND	H UJ	0.78	0.28
75-15-0	Carbon disulfide	76.14	3.6	H J	1.6	0.41
56-23-5	Carbon tetrachloride	153.81	ND	H UJ	0.22	0.14
108-90-7	Chlorobenzene	112.56	ND	H	0.92	0.20
75-45-6	Chlorodifluoromethane	86.47	ND	H	1.8	0.42
75-00-3	Chloroethane	64.52	ND	H	1.3	0.48
67-66-3	Chloroform	119.38	ND	H	0.98	0.20
74-87-3	Chloromethane	50.49	ND	H	1.0	0.31
156-59-2	cis-1,2-Dichloroethene	96.94	ND	H	0.20	0.083
10061-01-5	cis-1,3-Dichloropropene	110.97	ND	H	0.91	0.20
98-82-8	Cumene	120.19	ND	H	0.98	0.20
110-82-7	Cyclohexane	84.16	0.38	J H	0.69	0.11
124-48-1	Dibromochloromethane	208.28	ND	H UJ	1.7	0.13
75-71-8	Dichlorodifluoromethane	120.91	2.3	J H	2.5	0.54
100-41-4	Ethylbenzene	106.17	6.5	H J	0.87	0.23
87-68-3	Hexachlorobutadiene	260.76	ND	H UJ	2.1	1.2
67-63-0	Isopropyl alcohol	60.10	ND	H UJ	12	3.9
179601-23-1	m,p-Xylene	106.17	13	H J	2.2	0.41
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND	H UJ	2.1	0.62
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	5.3	H J	1.5	1.5
80-62-6	Methyl methacrylate	100.12	ND	H UJ	2.1	0.57
1634-04-4	Methyl tert-butyl ether	88.15	4.9	H J	0.72	0.13
75-09-2	Methylene Chloride	84.93	1.1	J H	1.7	0.63
91-20-3	Naphthalene	128.17	ND	H UJ	2.0	1.6
106-97-8	n-Butane	58.12	5.0	H J	1.2	0.48
104-51-8	n-Butylbenzene	134.22	ND	H UJ	1.1	0.60
142-82-5	n-Heptane	100.21	ND	H UJ	0.82	0.23
110-54-3	n-Hexane	86.17	4.8	H J	1.8	0.39
103-65-1	N-Propylbenzene	120.19	ND	H UJ	0.98	0.23

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-1 Lab Sample ID: 480-232498-1

Matrix: Air Lab File ID: 6S15X11.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:15

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 12:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ug/m3

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-47-6	o-Xylene	106.17	6.2	H J	0.87	0.23
135-98-8	sec-Butylbenzene	134.22	ND	H UJ	1.1	0.25
100-42-5	Styrene	104.15	ND	H	0.85	0.25
75-65-0	tert-Butyl alcohol	74.12	ND	H	15	3.6
98-06-6	tert-Butylbenzene	134.22	ND	H	1.1	0.26
127-18-4	Tetrachloroethene	165.83	ND	H	1.4	0.14
109-99-9	Tetrahydrofuran	72.11	ND	H	15	3.8
108-88-3	Toluene	92.14	5.7	H J	0.75	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	ND	H UJ	0.79	0.091
10061-02-6	trans-1,3-Dichloropropene	110.97	ND	H	0.91	0.25
79-01-6	Trichloroethene	131.39	ND	H	0.20	0.13
75-69-4	Trichlorofluoromethane	137.37	1.3	H J	1.1	0.28
75-01-4	Vinyl chloride	62.50	ND	H UJ	0.20	0.054

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-1 Lab Sample ID: 480-232498-1

Matrix: Air Lab File ID: 6S15X11.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:15

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 12:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND	H UJ	0.20	0.044
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND	H UJ	0.20	0.043
79-00-5	1,1,2-Trichloroethane	133.41	ND	H UJ	0.20	0.074
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.13	J H	0.20	0.053
75-34-3	1,1-Dichloroethane	98.96	ND	H UJ	0.20	0.025
75-35-4	1,1-Dichloroethene	96.94	ND	H	0.050	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	ND	H	0.50	0.051
95-63-6	1,2,4-Trimethylbenzene	120.20	ND	H	0.20	0.080
106-93-4	1,2-Dibromoethane	187.87	ND	H	0.20	0.042
95-50-1	1,2-Dichlorobenzene	147.00	ND	H	0.20	0.066
107-06-2	1,2-Dichloroethane	98.96	ND	H	0.20	0.093
78-87-5	1,2-Dichloropropane	112.99	ND	H	0.20	0.094
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.098	J H	0.20	0.048
108-67-8	1,3,5-Trimethylbenzene	120.20	ND	H UJ	0.20	0.047
106-99-0	1,3-Butadiene	54.09	ND	H	0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	ND	H	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	ND	H	0.20	0.089
123-91-1	1,4-Dioxane	88.11	ND	H	5.0	0.047
540-84-1	2,2,4-Trimethylpentane	114.23	0.67	H J	0.20	0.038
95-49-8	2-Chlorotoluene	126.59	ND	H UJ	0.20	0.046
107-05-1	3-Chloropropene	76.53	ND	H	0.50	0.12
622-96-8	4-Ethyltoluene	120.20	ND	H	0.20	0.049
99-87-6	4-Isopropyltoluene	134.22	ND	H	0.20	0.061
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	ND	H	0.50	0.13
67-64-1	Acetone	58.08	10	H J	5.0	1.6
71-43-2	Benzene	78.11	1.4	H J	0.20	0.044
100-44-7	Benzyl chloride	126.58	ND	H UJ	0.20	0.088
75-27-4	Bromodichloromethane	163.83	ND	H	0.20	0.050
593-60-2	Bromoethene(Vinyl Bromide)	106.96	ND	H	0.20	0.050

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-1 Lab Sample ID: 480-232498-1

Matrix: Air Lab File ID: 6S15X11.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:15

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 12:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-25-2	Bromoform	252.75	ND	H UJ	0.20	0.12
74-83-9	Bromomethane	94.94	ND	H UJ	0.20	0.071
75-15-0	Carbon disulfide	76.14	1.1	H J	0.50	0.13
56-23-5	Carbon tetrachloride	153.81	ND	H UJ	0.035	0.022
108-90-7	Chlorobenzene	112.56	ND	H	0.20	0.044
75-45-6	Chlorodifluoromethane	86.47	ND	H	0.50	0.12
75-00-3	Chloroethane	64.52	ND	H	0.50	0.18
67-66-3	Chloroform	119.38	ND	H	0.20	0.041
74-87-3	Chloromethane	50.49	ND	H	0.50	0.15
156-59-2	cis-1,2-Dichloroethene	96.94	ND	H	0.050	0.021
10061-01-5	cis-1,3-Dichloropropene	110.97	ND	H	0.20	0.045
98-82-8	Cumene	120.19	ND	H	0.20	0.041
110-82-7	Cyclohexane	84.16	0.11	J H	0.20	0.032
124-48-1	Dibromochloromethane	208.28	ND	H UJ	0.20	0.015
75-71-8	Dichlorodifluoromethane	120.91	0.46	J H	0.50	0.11
100-41-4	Ethylbenzene	106.17	1.5	H J	0.20	0.052
87-68-3	Hexachlorobutadiene	260.76	ND	H UJ	0.20	0.11
67-63-0	Isopropyl alcohol	60.10	ND	H UJ	5.0	1.6
179601-23-1	m,p-Xylene	106.17	3.0	H J	0.50	0.095
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND	H UJ	0.50	0.15
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.8	H J	0.50	0.49
80-62-6	Methyl methacrylate	100.12	ND	H UJ	0.50	0.14
1634-04-4	Methyl tert-butyl ether	88.15	1.4	H J	0.20	0.036
75-09-2	Methylene Chloride	84.93	0.31	J H	0.50	0.18
91-20-3	Naphthalene	128.17	ND	H UJ	0.38	0.30
106-97-8	n-Butane	58.12	2.1	H J	0.50	0.20
104-51-8	n-Butylbenzene	134.22	ND	H UJ	0.20	0.11
142-82-5	n-Heptane	100.21	ND	H UJ	0.20	0.055
110-54-3	n-Hexane	86.17	1.4	H J	0.50	0.11
103-65-1	N-Propylbenzene	120.19	ND	H UJ	0.20	0.047

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-1 Lab Sample ID: 480-232498-1

Matrix: Air Lab File ID: 6S15X11.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:15

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 12:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-47-6	o-Xylene	106.17	1.4	H J	0.20	0.052
135-98-8	sec-Butylbenzene	134.22	ND	H UJ	0.20	0.045
100-42-5	Styrene	104.15	ND	H	0.20	0.059
75-65-0	tert-Butyl alcohol	74.12	ND	H	5.0	1.2
98-06-6	tert-Butylbenzene	134.22	ND	H	0.20	0.047
127-18-4	Tetrachloroethene	165.83	ND	H	0.20	0.021
109-99-9	Tetrahydrofuran	72.11	ND	H	5.0	1.3
108-88-3	Toluene	92.14	1.5	H J	0.20	0.042
156-60-5	trans-1,2-Dichloroethene	96.94	ND	H UJ	0.20	0.023
10061-02-6	trans-1,3-Dichloropropene	110.97	ND	H UJ	0.20	0.054
79-01-6	Trichloroethene	131.39	ND	H UJ	0.037	0.025
75-69-4	Trichlorofluoromethane	137.37	0.23	H J	0.20	0.050
75-01-4	Vinyl chloride	62.50	ND	H UJ	0.078	0.021

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-2 Lab Sample ID: 480-232498-2

Matrix: Air Lab File ID: 6S15X12.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:20

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 13:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ug/m3

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND	H UJ	1.1	0.24
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND	H UJ	1.4	0.30
79-00-5	1,1,2-Trichloroethane	133.41	ND	H UJ	1.1	0.40
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.90	J H	1.5	0.41
75-34-3	1,1-Dichloroethane	98.96	ND	H UJ	0.81	0.10
75-35-4	1,1-Dichloroethene	96.94	ND	H	0.20	0.10
120-82-1	1,2,4-Trichlorobenzene	181.45	ND	H	3.7	0.38
95-63-6	1,2,4-Trimethylbenzene	120.20	ND	H	0.98	0.39
106-93-4	1,2-Dibromoethane	187.87	ND	H	1.5	0.32
95-50-1	1,2-Dichlorobenzene	147.00	ND	H	1.2	0.40
107-06-2	1,2-Dichloroethane	98.96	ND	H	0.81	0.38
78-87-5	1,2-Dichloropropane	112.99	ND	H	0.92	0.43
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND	H	1.4	0.34
108-67-8	1,3,5-Trimethylbenzene	120.20	ND	H	0.98	0.23
106-99-0	1,3-Butadiene	54.09	ND	H	0.44	0.086
541-73-1	1,3-Dichlorobenzene	147.00	0.62	J H	1.2	0.45
106-46-7	1,4-Dichlorobenzene	147.00	ND	H UJ	1.2	0.54
123-91-1	1,4-Dioxane	88.11	ND	H UJ	18	0.17
540-84-1	2,2,4-Trimethylpentane	114.23	0.76	J H	0.93	0.18
95-49-8	2-Chlorotoluene	126.59	ND	H UJ	1.0	0.24
107-05-1	3-Chloropropene	76.53	ND	H UJ	1.6	0.38
622-96-8	4-Ethyltoluene	120.20	0.63	J H	0.98	0.24
99-87-6	4-Isopropyltoluene	134.22	ND	H UJ	1.1	0.34
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	4.1	H J	2.1	0.53
71-43-2	Benzene	78.11	1.3	H J	0.64	0.14
100-44-7	Benzyl chloride	126.58	ND	H UJ	1.0	0.46
75-27-4	Bromodichloromethane	163.83	ND	H	1.3	0.34
593-60-2	Bromoethene(Vinyl Bromide)	106.96	ND	H	0.88	0.22
75-25-2	Bromoform	252.75	ND	H	2.1	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-2
Lab Sample ID: 480-232498-2

Matrix: Air
Lab File ID: 6S15X12.D

Analysis Method: TO 15 LL
Date Collected: 08/11/2025 16:20

Sample wt/vol: 200(mL)
Date Analyzed: 09/15/2025 13:11

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume:
Heated Purge: (Y/N) pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 699173
Units: ug/m3

Preparation Batch No.:
Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND	H UJ	0.78	0.28
75-15-0	Carbon disulfide	76.14	3.3	H J	1.6	0.41
56-23-5	Carbon tetrachloride	153.81	0.47	H J	0.22	0.14
108-90-7	Chlorobenzene	112.56	ND	H UJ	0.92	0.20
75-45-6	Chlorodifluoromethane	86.47	ND	H UJ	1.8	0.42
75-00-3	Chloroethane	64.52	2.5	H J	1.3	0.48
67-66-3	Chloroform	119.38	1.4	H J	0.98	0.20
74-87-3	Chloromethane	50.49	ND	H UJ	1.0	0.31
156-59-2	cis-1,2-Dichloroethene	96.94	0.82	H J	0.20	0.083
10061-01-5	cis-1,3-Dichloropropene	110.97	ND	H UJ	0.91	0.20
98-82-8	Cumene	120.19	ND	H UJ	0.98	0.20
110-82-7	Cyclohexane	84.16	3.5	H J	0.69	0.11
124-48-1	Dibromochloromethane	208.28	ND	H UJ	1.7	0.13
75-71-8	Dichlorodifluoromethane	120.91	4.3	H J	2.5	0.54
100-41-4	Ethylbenzene	106.17	2.3	H J	0.87	0.23
87-68-3	Hexachlorobutadiene	260.76	ND	H UJ	2.1	1.2
67-63-0	Isopropyl alcohol	60.10	11	J H	12	3.9
179601-23-1	m,p-Xylene	106.17	7.7	H J	2.2	0.41
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.88	J H	2.1	0.62
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	13	H J	1.5	1.5
80-62-6	Methyl methacrylate	100.12	0.74	J H	2.1	0.57
1634-04-4	Methyl tert-butyl ether	88.15	ND	H UJ	0.72	0.13
75-09-2	Methylene Chloride	84.93	5.3	H J	1.7	0.63
91-20-3	Naphthalene	128.17	ND	H UJ	2.0	1.6
106-97-8	n-Butane	58.12	8.3	H J	1.2	0.48
104-51-8	n-Butylbenzene	134.22	ND	H UJ	1.1	0.60
142-82-5	n-Heptane	100.21	1.0	H J	0.82	0.23
110-54-3	n-Hexane	86.17	4.7	H J	1.8	0.39
103-65-1	N-Propylbenzene	120.19	ND	H UJ	0.98	0.23
95-47-6	o-Xylene	106.17	2.1	H J	0.87	0.23

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-2 Lab Sample ID: 480-232498-2

Matrix: Air Lab File ID: 6S15X12.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:20

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 13:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ug/m3

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	ND	H UJ	1.1	0.25
100-42-5	Styrene	104.15	ND	H UJ	0.85	0.25
75-65-0	tert-Butyl alcohol	74.12	18	H J	15	3.6
98-06-6	tert-Butylbenzene	134.22	ND	H UJ	1.1	0.26
127-18-4	Tetrachloroethene	165.83	ND	H UJ	1.4	0.14
109-99-9	Tetrahydrofuran	72.11	ND	H UJ	15	3.8
108-88-3	Toluene	92.14	20	H J	0.75	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	J H	0.79	0.091
10061-02-6	trans-1,3-Dichloropropene	110.97	ND	H UJ	0.91	0.25
79-01-6	Trichloroethene	131.39	0.72	H J	0.20	0.13
75-69-4	Trichlorofluoromethane	137.37	1.6	H J	1.1	0.28
75-01-4	Vinyl chloride	62.50	ND	H UJ	0.20	0.054

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-2 Lab Sample ID: 480-232498-2

Matrix: Air Lab File ID: 6S15X12.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:20

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 13:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND	H UJ	0.20	0.044
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND	H UJ	0.20	0.043
79-00-5	1,1,2-Trichloroethane	133.41	ND	H UJ	0.20	0.074
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.12	J H	0.20	0.053
75-34-3	1,1-Dichloroethane	98.96	ND	H UJ	0.20	0.025
75-35-4	1,1-Dichloroethene	96.94	ND	H	0.050	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	ND	H	0.50	0.051
95-63-6	1,2,4-Trimethylbenzene	120.20	ND	H	0.20	0.080
106-93-4	1,2-Dibromoethane	187.87	ND	H	0.20	0.042
95-50-1	1,2-Dichlorobenzene	147.00	ND	H	0.20	0.066
107-06-2	1,2-Dichloroethane	98.96	ND	H	0.20	0.093
78-87-5	1,2-Dichloropropane	112.99	ND	H	0.20	0.094
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND	H	0.20	0.048
108-67-8	1,3,5-Trimethylbenzene	120.20	ND	H	0.20	0.047
106-99-0	1,3-Butadiene	54.09	ND	H	0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	0.10	J H	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	ND	H UJ	0.20	0.089
123-91-1	1,4-Dioxane	88.11	ND	H UJ	5.0	0.047
540-84-1	2,2,4-Trimethylpentane	114.23	0.16	J H	0.20	0.038
95-49-8	2-Chlorotoluene	126.59	ND	H UJ	0.20	0.046
107-05-1	3-Chloropropene	76.53	ND	H UJ	0.50	0.12
622-96-8	4-Ethyltoluene	120.20	0.13	J H	0.20	0.049
99-87-6	4-Isopropyltoluene	134.22	ND	H UJ	0.20	0.061
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	1.0	H J	0.50	0.13
71-43-2	Benzene	78.11	0.40	H J	0.20	0.044
100-44-7	Benzyl chloride	126.58	ND	H UJ	0.20	0.088
75-27-4	Bromodichloromethane	163.83	ND	H	0.20	0.050
593-60-2	Bromoethene(Vinyl Bromide)	106.96	ND	H	0.20	0.050
75-25-2	Bromoform	252.75	ND	H	0.20	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-2
Lab Sample ID: 480-232498-2

Matrix: Air
Lab File ID: 6S15X12.D

Analysis Method: TO 15 LL
Date Collected: 08/11/2025 16:20

Sample wt/vol: 200(mL)
Date Analyzed: 09/15/2025 13:11

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume:
Heated Purge: (Y/N) pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 699173
Units: ppb v/v

Preparation Batch No.:
Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND	H UJ	0.20	0.071
75-15-0	Carbon disulfide	76.14	1.1	H J	0.50	0.13
56-23-5	Carbon tetrachloride	153.81	0.074	H J	0.035	0.022
108-90-7	Chlorobenzene	112.56	ND	H UJ	0.20	0.044
75-45-6	Chlorodifluoromethane	86.47	ND	H UJ	0.50	0.12
75-00-3	Chloroethane	64.52	0.96	H J	0.50	0.18
67-66-3	Chloroform	119.38	0.29	H J	0.20	0.041
74-87-3	Chloromethane	50.49	ND	H UJ	0.50	0.15
156-59-2	cis-1,2-Dichloroethene	96.94	0.21	H J	0.050	0.021
10061-01-5	cis-1,3-Dichloropropene	110.97	ND	H UJ	0.20	0.045
98-82-8	Cumene	120.19	ND	H UJ	0.20	0.041
110-82-7	Cyclohexane	84.16	1.0	H J	0.20	0.032
124-48-1	Dibromochloromethane	208.28	ND	H UJ	0.20	0.015
75-71-8	Dichlorodifluoromethane	120.91	0.87	H J	0.50	0.11
100-41-4	Ethylbenzene	106.17	0.53	H J	0.20	0.052
87-68-3	Hexachlorobutadiene	260.76	ND	H UJ	0.20	0.11
67-63-0	Isopropyl alcohol	60.10	4.4	J H	5.0	1.6
179601-23-1	m,p-Xylene	106.17	1.8	H J	0.50	0.095
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.21	J H	0.50	0.15
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	4.3	H J	0.50	0.49
80-62-6	Methyl methacrylate	100.12	0.18	J H	0.50	0.14
1634-04-4	Methyl tert-butyl ether	88.15	ND	H UJ	0.20	0.036
75-09-2	Methylene Chloride	84.93	1.5	H J	0.50	0.18
91-20-3	Naphthalene	128.17	ND	H UJ	0.38	0.30
106-97-8	n-Butane	58.12	3.5	H J	0.50	0.20
104-51-8	n-Butylbenzene	134.22	ND	H UJ	0.20	0.11
142-82-5	n-Heptane	100.21	0.25	H J	0.20	0.055
110-54-3	n-Hexane	86.17	1.3	H J	0.50	0.11
103-65-1	N-Propylbenzene	120.19	ND	H UJ	0.20	0.047
95-47-6	o-Xylene	106.17	0.48	H J	0.20	0.052

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-2 Lab Sample ID: 480-232498-2

Matrix: Air Lab File ID: 6S15X12.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:20

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 13:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	ND	H UJ	0.20	0.045
100-42-5	Styrene	104.15	ND	H UJ	0.20	0.059
75-65-0	tert-Butyl alcohol	74.12	6.0	H J	5.0	1.2
98-06-6	tert-Butylbenzene	134.22	ND	H UJ	0.20	0.047
127-18-4	Tetrachloroethene	165.83	ND	H	0.20	0.021
109-99-9	Tetrahydrofuran	72.11	ND	H	5.0	1.3
108-88-3	Toluene	92.14	5.4	H J	0.20	0.042
156-60-5	trans-1,2-Dichloroethene	96.94	0.082	J H	0.20	0.023
10061-02-6	trans-1,3-Dichloropropene	110.97	ND	H UJ	0.20	0.054
79-01-6	Trichloroethene	131.39	0.13	H J	0.037	0.025
75-69-4	Trichlorofluoromethane	137.37	0.29	H J	0.20	0.050
75-01-4	Vinyl chloride	62.50	ND	H UJ	0.078	0.021

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-2 DL Lab Sample ID: 480-232498-2 DL

Matrix: Air Lab File ID: 6S15X23.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:20

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 19:02

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	46	H J	20	6.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-3 Lab Sample ID: 480-232498-3

Matrix: Air Lab File ID: 6S15X13.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 17:35

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 13:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ug/m3

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND	H UJ	1.1	0.24
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND	H UJ	1.4	0.30
79-00-5	1,1,2-Trichloroethane	133.41	ND	H UJ	1.1	0.40
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.73	J H	1.5	0.41
75-34-3	1,1-Dichloroethane	98.96	ND	H UJ	0.81	0.10
75-35-4	1,1-Dichloroethene	96.94	ND	H	0.20	0.10
120-82-1	1,2,4-Trichlorobenzene	181.45	ND	H	3.7	0.38
95-63-6	1,2,4-Trimethylbenzene	120.20	ND	H	0.98	0.39
106-93-4	1,2-Dibromoethane	187.87	ND	H	1.5	0.32
95-50-1	1,2-Dichlorobenzene	147.00	ND	H	1.2	0.40
107-06-2	1,2-Dichloroethane	98.96	ND	H	0.81	0.38
78-87-5	1,2-Dichloropropane	112.99	ND	H	0.92	0.43
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND	H	1.4	0.34
108-67-8	1,3,5-Trimethylbenzene	120.20	ND	H	0.98	0.23
106-99-0	1,3-Butadiene	54.09	ND	H	0.44	0.086
541-73-1	1,3-Dichlorobenzene	147.00	4.5	H J	1.2	0.45
106-46-7	1,4-Dichlorobenzene	147.00	ND	H UJ	1.2	0.54
123-91-1	1,4-Dioxane	88.11	ND	H UJ	18	0.17
540-84-1	2,2,4-Trimethylpentane	114.23	0.48	J H	0.93	0.18
95-49-8	2-Chlorotoluene	126.59	ND	H UJ	1.0	0.24
107-05-1	3-Chloropropene	76.53	ND	H	1.6	0.38
622-96-8	4-Ethyltoluene	120.20	ND	H	0.98	0.24
99-87-6	4-Isopropyltoluene	134.22	ND	H	1.1	0.34
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.5	H	2.1	0.53
71-43-2	Benzene	78.11	3.1	H J	0.64	0.14
100-44-7	Benzyl chloride	126.58	ND	H UJ	1.0	0.46
75-27-4	Bromodichloromethane	163.83	ND	H	1.3	0.34
593-60-2	Bromoethene(Vinyl Bromide)	106.96	ND	H	0.88	0.22
75-25-2	Bromoform	252.75	ND	H	2.1	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-3 Lab Sample ID: 480-232498-3

Matrix: Air Lab File ID: 6S15X13.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 17:35

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 13:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ug/m3

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND	H UJ	0.78	0.28
75-15-0	Carbon disulfide	76.14	7.3	H J	1.6	0.41
56-23-5	Carbon tetrachloride	153.81	ND	H UJ	0.22	0.14
108-90-7	Chlorobenzene	112.56	0.45	J H	0.92	0.20
75-45-6	Chlorodifluoromethane	86.47	ND	H UJ	1.8	0.42
75-00-3	Chloroethane	64.52	ND	H UJ	1.3	0.48
67-66-3	Chloroform	119.38	3.3	H J	0.98	0.20
74-87-3	Chloromethane	50.49	0.60	J H	1.0	0.31
156-59-2	cis-1,2-Dichloroethene	96.94	ND	H UJ	0.20	0.083
10061-01-5	cis-1,3-Dichloropropene	110.97	ND	H UJ	0.91	0.20
98-82-8	Cumene	120.19	ND	H UJ	0.98	0.20
110-82-7	Cyclohexane	84.16	0.57	J H	0.69	0.11
124-48-1	Dibromochloromethane	208.28	ND	H J	1.7	0.13
75-71-8	Dichlorodifluoromethane	120.91	2.3	J H	2.5	0.54
100-41-4	Ethylbenzene	106.17	0.42	J H	0.87	0.23
87-68-3	Hexachlorobutadiene	260.76	ND	H UJ	2.1	1.2
67-63-0	Isopropyl alcohol	60.10	7.2	J H	12	3.9
179601-23-1	m,p-Xylene	106.17	1.2	J H	2.2	0.41
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.1	J H	2.1	0.62
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	22	H UJ	1.5	1.5
80-62-6	Methyl methacrylate	100.12	ND	H UJ	2.1	0.57
1634-04-4	Methyl tert-butyl ether	88.15	0.56	J H	0.72	0.13
75-09-2	Methylene Chloride	84.93	ND	H UJ	1.7	0.63
91-20-3	Naphthalene	128.17	ND	H UJ	2.0	1.6
106-97-8	n-Butane	58.12	3.6	H J	1.2	0.48
104-51-8	n-Butylbenzene	134.22	ND	H UJ	1.1	0.60
142-82-5	n-Heptane	100.21	0.80	J H	0.82	0.23
110-54-3	n-Hexane	86.17	ND	H UJ	1.8	0.39
103-65-1	N-Propylbenzene	120.19	ND	H UJ	0.98	0.23
95-47-6	o-Xylene	106.17	0.46	J H	0.87	0.23

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-3
Lab Sample ID: 480-232498-3

Matrix: Air
Lab File ID: 6S15X13.D

Analysis Method: TO 15 LL
Date Collected: 08/11/2025 17:35

Sample wt/vol: 200(mL)
Date Analyzed: 09/15/2025 13:39

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume:
Heated Purge: (Y/N) pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 699173
Units: ug/m3

Preparation Batch No.:
Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	ND	H UJ	1.1	0.25
100-42-5	Styrene	104.15	ND	H UJ	0.85	0.25
75-65-0	tert-Butyl alcohol	74.12	77	H J	15	3.6
98-06-6	tert-Butylbenzene	134.22	ND	H UJ	1.1	0.26
127-18-4	Tetrachloroethene	165.83	1.0	J H	1.4	0.14
109-99-9	Tetrahydrofuran	72.11	ND	H UJ	15	3.8
108-88-3	Toluene	92.14	2.5	H J	0.75	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	ND	H UJ	0.79	0.091
10061-02-6	trans-1,3-Dichloropropene	110.97	ND	H UJ	0.91	0.25
79-01-6	Trichloroethene	131.39	ND	H UJ	0.20	0.13
75-69-4	Trichlorofluoromethane	137.37	1.1	H J	1.1	0.28
75-01-4	Vinyl chloride	62.50	ND	H UJ	0.20	0.054

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-3
Lab Sample ID: 480-232498-3

Matrix: Air
Lab File ID: 6S15X13.D

Analysis Method: TO 15 LL
Date Collected: 08/11/2025 17:35

Sample wt/vol: 200(mL)
Date Analyzed: 09/15/2025 13:39

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume:
Heated Purge: (Y/N) pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 699173
Units: ppb v/v

Preparation Batch No.:
Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND	H UJ	0.20	0.044
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND	H UJ	0.20	0.043
79-00-5	1,1,2-Trichloroethane	133.41	ND	H UJ	0.20	0.074
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.095	J H	0.20	0.053
75-34-3	1,1-Dichloroethane	98.96	ND	H UJ	0.20	0.025
75-35-4	1,1-Dichloroethene	96.94	ND	H	0.050	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	ND	H	0.50	0.051
95-63-6	1,2,4-Trimethylbenzene	120.20	ND	H	0.20	0.080
106-93-4	1,2-Dibromoethane	187.87	ND	H	0.20	0.042
95-50-1	1,2-Dichlorobenzene	147.00	ND	H	0.20	0.066
107-06-2	1,2-Dichloroethane	98.96	ND	H	0.20	0.093
78-87-5	1,2-Dichloropropane	112.99	ND	H	0.20	0.094
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND	H	0.20	0.048
108-67-8	1,3,5-Trimethylbenzene	120.20	ND	H	0.20	0.047
106-99-0	1,3-Butadiene	54.09	ND	H	0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	0.75	H J	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	ND	H UJ	0.20	0.089
123-91-1	1,4-Dioxane	88.11	ND	H UJ	5.0	0.047
540-84-1	2,2,4-Trimethylpentane	114.23	0.10	J H	0.20	0.038
95-49-8	2-Chlorotoluene	126.59	ND	H UJ	0.20	0.046
107-05-1	3-Chloropropene	76.53	ND	H	0.50	0.12
622-96-8	4-Ethyltoluene	120.20	ND	H	0.20	0.049
99-87-6	4-Isopropyltoluene	134.22	ND	H	0.20	0.061
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.61	H J	0.50	0.13
71-43-2	Benzene	78.11	0.98	H J	0.20	0.044
100-44-7	Benzyl chloride	126.58	ND	H UJ	0.20	0.088
75-27-4	Bromodichloromethane	163.83	ND	H	0.20	0.050
593-60-2	Bromoethene(Vinyl Bromide)	106.96	ND	H	0.20	0.050
75-25-2	Bromoform	252.75	ND	H	0.20	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-3 Lab Sample ID: 480-232498-3

Matrix: Air Lab File ID: 6S15X13.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 17:35

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 13:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND	H UJ	0.20	0.071
75-15-0	Carbon disulfide	76.14	2.3	H J	0.50	0.13
56-23-5	Carbon tetrachloride	153.81	ND	H UJ	0.035	0.022
108-90-7	Chlorobenzene	112.56	0.098	J H	0.20	0.044
75-45-6	Chlorodifluoromethane	86.47	ND	H UJ	0.50	0.12
75-00-3	Chloroethane	64.52	ND	H UJ	0.50	0.18
67-66-3	Chloroform	119.38	0.68	H J	0.20	0.041
74-87-3	Chloromethane	50.49	0.29	J H	0.50	0.15
156-59-2	cis-1,2-Dichloroethene	96.94	ND	H UJ	0.050	0.021
10061-01-5	cis-1,3-Dichloropropene	110.97	ND	H UJ	0.20	0.045
98-82-8	Cumene	120.19	ND	H UJ	0.20	0.041
110-82-7	Cyclohexane	84.16	0.17	J H	0.20	0.032
124-48-1	Dibromochloromethane	208.28	ND	H UJ	0.20	0.015
75-71-8	Dichlorodifluoromethane	120.91	0.46	J H	0.50	0.11
100-41-4	Ethylbenzene	106.17	0.096	J H	0.20	0.052
87-68-3	Hexachlorobutadiene	260.76	ND	H UJ	0.20	0.11
67-63-0	Isopropyl alcohol	60.10	2.9	J H	5.0	1.6
179601-23-1	m,p-Xylene	106.17	0.27	J H	0.50	0.095
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.28	J H	0.50	0.15
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	7.5	H J	0.50	0.49
80-62-6	Methyl methacrylate	100.12	ND	H UJ	0.50	0.14
1634-04-4	Methyl tert-butyl ether	88.15	0.15	J H	0.20	0.036
75-09-2	Methylene Chloride	84.93	ND	H UJ	0.50	0.18
91-20-3	Naphthalene	128.17	ND	H UJ	0.38	0.30
106-97-8	n-Butane	58.12	1.5	H J	0.50	0.20
104-51-8	n-Butylbenzene	134.22	ND	H UJ	0.20	0.11
142-82-5	n-Heptane	100.21	0.19	J H	0.20	0.055
110-54-3	n-Hexane	86.17	ND	H UJ	0.50	0.11
103-65-1	N-Propylbenzene	120.19	ND	H UJ	0.20	0.047
95-47-6	o-Xylene	106.17	0.10	J H	0.20	0.052

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-3 Lab Sample ID: 480-232498-3

Matrix: Air Lab File ID: 6S15X13.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 17:35

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 13:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	ND	H UJ	0.20	0.045
100-42-5	Styrene	104.15	ND	H UJ	0.20	0.059
75-65-0	tert-Butyl alcohol	74.12	25	H J	5.0	1.2
98-06-6	tert-Butylbenzene	134.22	ND	H UJ	0.20	0.047
127-18-4	Tetrachloroethene	165.83	0.15	J H	0.20	0.021
109-99-9	Tetrahydrofuran	72.11	ND	H UJ	5.0	1.3
108-88-3	Toluene	92.14	0.66	H J	0.20	0.042
156-60-5	trans-1,2-Dichloroethene	96.94	ND	H UJ	0.20	0.023
10061-02-6	trans-1,3-Dichloropropene	110.97	ND	H UJ	0.20	0.054
79-01-6	Trichloroethene	131.39	ND	H UJ	0.037	0.025
75-69-4	Trichlorofluoromethane	137.37	0.19	H J	0.20	0.050
75-01-4	Vinyl chloride	62.50	ND	H UJ	0.078	0.021

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-3 DL
Lab Sample ID: 480-232498-3 DL

Matrix: Air
Lab File ID: 6S15X24.D

Analysis Method: TO 15 LL
Date Collected: 08/11/2025 17:35

Sample wt/vol: 200(mL)
Date Analyzed: 09/15/2025 19:23

Soil Aliquot Vol:
Dilution Factor: 10

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume:
Heated Purge: (Y/N) pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 699173
Units: ug/m3

Preparation Batch No.:
Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	240	H J	120	38

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-3 DL Lab Sample ID: 480-232498-3 DL

Matrix: Air Lab File ID: 6S15X24.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 17:35

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 19:23

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	100	H J	50	16

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-4 Lab Sample ID: 480-232498-4

Matrix: Air Lab File ID: 6S15X22.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:45

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 18:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ug/m3

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND	H UJ	1.1	0.24
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND	H UJ	1.4	0.30
79-00-5	1,1,2-Trichloroethane	133.41	ND	H UJ	1.1	0.40
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.96	J H	1.5	0.41
75-34-3	1,1-Dichloroethane	98.96	ND	H UJ	0.81	0.10
75-35-4	1,1-Dichloroethene	96.94	ND	H	0.20	0.10
120-82-1	1,2,4-Trichlorobenzene	181.45	ND	H	3.7	0.38
95-63-6	1,2,4-Trimethylbenzene	120.20	ND	H	0.98	0.39
106-93-4	1,2-Dibromoethane	187.87	ND	H	1.5	0.32
95-50-1	1,2-Dichlorobenzene	147.00	ND	H	1.2	0.40
107-06-2	1,2-Dichloroethane	98.96	ND	H	0.81	0.38
78-87-5	1,2-Dichloropropane	112.99	ND	H	0.92	0.43
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND	H	1.4	0.34
108-67-8	1,3,5-Trimethylbenzene	120.20	ND	H	0.98	0.23
106-99-0	1,3-Butadiene	54.09	ND	H	0.44	0.086
541-73-1	1,3-Dichlorobenzene	147.00	5.0	H J	1.2	0.45
106-46-7	1,4-Dichlorobenzene	147.00	ND	H UJ	1.2	0.54
123-91-1	1,4-Dioxane	88.11	ND	H UJ	18	0.17
540-84-1	2,2,4-Trimethylpentane	114.23	0.90	J H	0.93	0.18
95-49-8	2-Chlorotoluene	126.59	ND	H UJ	1.0	0.24
107-05-1	3-Chloropropene	76.53	ND	H	1.6	0.38
622-96-8	4-Ethyltoluene	120.20	ND	H	0.98	0.24
99-87-6	4-Isopropyltoluene	134.22	ND	H	1.1	0.34
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	3.1	H J	2.1	0.53
71-43-2	Benzene	78.11	3.9	H J	0.64	0.14
100-44-7	Benzyl chloride	126.58	ND	H UJ	1.0	0.46
75-27-4	Bromodichloromethane	163.83	ND	H	1.3	0.34
593-60-2	Bromoethene(Vinyl Bromide)	106.96	ND	H	0.88	0.22
75-25-2	Bromoform	252.75	ND	H	2.1	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-4
Lab Sample ID: 480-232498-4

Matrix: Air
Lab File ID: 6S15X22.D

Analysis Method: TO 15 LL
Date Collected: 08/11/2025 16:45

Sample wt/vol: 200(mL)
Date Analyzed: 09/15/2025 18:40

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume:
Heated Purge: (Y/N) pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 699173
Units: ug/m3

Preparation Batch No.:
Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND	H UJ	0.78	0.28
75-15-0	Carbon disulfide	76.14	28	H J	1.6	0.41
56-23-5	Carbon tetrachloride	153.81	0.49	H J	0.22	0.14
108-90-7	Chlorobenzene	112.56	ND	H UJ	0.92	0.20
75-45-6	Chlorodifluoromethane	86.47	ND	H UJ	1.8	0.42
75-00-3	Chloroethane	64.52	ND	H UJ	1.3	0.48
67-66-3	Chloroform	119.38	0.31	J H	0.98	0.20
74-87-3	Chloromethane	50.49	0.91	J H	1.0	0.31
156-59-2	cis-1,2-Dichloroethene	96.94	ND	H UJ	0.20	0.083
10061-01-5	cis-1,3-Dichloropropene	110.97	ND	H UJ	0.91	0.20
98-82-8	Cumene	120.19	ND	H UJ	0.98	0.20
110-82-7	Cyclohexane	84.16	0.51	J H	0.69	0.11
124-48-1	Dibromochloromethane	208.28	ND	H UJ	1.7	0.13
75-71-8	Dichlorodifluoromethane	120.91	2.6	H J	2.5	0.54
100-41-4	Ethylbenzene	106.17	1.8	H J	0.87	0.23
87-68-3	Hexachlorobutadiene	260.76	ND	H UJ	2.1	1.2
67-63-0	Isopropyl alcohol	60.10	9.1	J H	12	3.9
179601-23-1	m,p-Xylene	106.17	3.9	H J	2.2	0.41
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.76	J H	2.1	0.62
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	18	H J	1.5	1.5
80-62-6	Methyl methacrylate	100.12	ND	H UJ	2.1	0.57
1634-04-4	Methyl tert-butyl ether	88.15	1.2	H J	0.72	0.13
75-09-2	Methylene Chloride	84.93	0.70	J H	1.7	0.63
91-20-3	Naphthalene	128.17	ND	H UJ	2.0	1.6
106-97-8	n-Butane	58.12	12	H J	1.2	0.48
104-51-8	n-Butylbenzene	134.22	ND	H UJ	1.1	0.60
142-82-5	n-Heptane	100.21	1.1	H J	0.82	0.23
110-54-3	n-Hexane	86.17	2.7	H J	1.8	0.39
103-65-1	N-Propylbenzene	120.19	ND	H UJ	0.98	0.23
95-47-6	o-Xylene	106.17	1.7	H J	0.87	0.23

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-4
Lab Sample ID: 480-232498-4

Matrix: Air
Lab File ID: 6S15X22.D

Analysis Method: TO 15 LL
Date Collected: 08/11/2025 16:45

Sample wt/vol: 200(mL)
Date Analyzed: 09/15/2025 18:40

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume:
Heated Purge: (Y/N) pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 699173
Units: ug/m3

Preparation Batch No.:
Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	ND	H UJ	1.1	0.25
100-42-5	Styrene	104.15	ND	H UJ	0.85	0.25
75-65-0	tert-Butyl alcohol	74.12	58	H J	15	3.6
98-06-6	tert-Butylbenzene	134.22	ND	H UJ	1.1	0.26
127-18-4	Tetrachloroethene	165.83	ND	H UJ	1.4	0.14
109-99-9	Tetrahydrofuran	72.11	ND	H UJ	15	3.8
108-88-3	Toluene	92.14	3.1	H J	0.75	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	ND	H UJ	0.79	0.091
10061-02-6	trans-1,3-Dichloropropene	110.97	ND	H UJ	0.91	0.25
79-01-6	Trichloroethene	131.39	ND	H UJ	0.20	0.13
75-69-4	Trichlorofluoromethane	137.37	1.9	H J	1.1	0.28
75-01-4	Vinyl chloride	62.50	0.53	H J	0.20	0.054

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-4 Lab Sample ID: 480-232498-4

Matrix: Air Lab File ID: 6S15X22.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:45

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 18:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND	H UJ	0.20	0.044
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND	H UJ	0.20	0.043
79-00-5	1,1,2-Trichloroethane	133.41	ND	H UJ	0.20	0.074
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.12	J H	0.20	0.053
75-34-3	1,1-Dichloroethane	98.96	ND	H UJ	0.20	0.025
75-35-4	1,1-Dichloroethene	96.94	ND	H	0.050	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	ND	H	0.50	0.051
95-63-6	1,2,4-Trimethylbenzene	120.20	ND	H	0.20	0.080
106-93-4	1,2-Dibromoethane	187.87	ND	H	0.20	0.042
95-50-1	1,2-Dichlorobenzene	147.00	ND	H	0.20	0.066
107-06-2	1,2-Dichloroethane	98.96	ND	H	0.20	0.093
78-87-5	1,2-Dichloropropane	112.99	ND	H	0.20	0.094
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND	H	0.20	0.048
108-67-8	1,3,5-Trimethylbenzene	120.20	ND	H	0.20	0.047
106-99-0	1,3-Butadiene	54.09	ND	H	0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	0.84	H J	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	ND	H UJ	0.20	0.089
123-91-1	1,4-Dioxane	88.11	ND	H UJ	5.0	0.047
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	J H	0.20	0.038
95-49-8	2-Chlorotoluene	126.59	ND	H UJ	0.20	0.046
107-05-1	3-Chloropropene	76.53	ND	H	0.50	0.12
622-96-8	4-Ethyltoluene	120.20	ND	H	0.20	0.049
99-87-6	4-Isopropyltoluene	134.22	ND	H	0.20	0.061
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.75	H J	0.50	0.13
71-43-2	Benzene	78.11	1.2	H J	0.20	0.044
100-44-7	Benzyl chloride	126.58	ND	H UJ	0.20	0.088
75-27-4	Bromodichloromethane	163.83	ND	H	0.20	0.050
593-60-2	Bromoethene(Vinyl Bromide)	106.96	ND	H	0.20	0.050
75-25-2	Bromoform	252.75	ND	H	0.20	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-4 Lab Sample ID: 480-232498-4

Matrix: Air Lab File ID: 6S15X22.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:45

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 18:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND	H UJ	0.20	0.071
75-15-0	Carbon disulfide	76.14	9.1	H J	0.50	0.13
56-23-5	Carbon tetrachloride	153.81	0.078	H J	0.035	0.022
108-90-7	Chlorobenzene	112.56	ND	H UJ	0.20	0.044
75-45-6	Chlorodifluoromethane	86.47	ND	H UJ	0.50	0.12
75-00-3	Chloroethane	64.52	ND	H UJ	0.50	0.18
67-66-3	Chloroform	119.38	0.064	J H	0.20	0.041
74-87-3	Chloromethane	50.49	0.44	J H	0.50	0.15
156-59-2	cis-1,2-Dichloroethene	96.94	ND	H UJ	0.050	0.021
10061-01-5	cis-1,3-Dichloropropene	110.97	ND	H UJ	0.20	0.045
98-82-8	Cumene	120.19	ND	H UJ	0.20	0.041
110-82-7	Cyclohexane	84.16	0.15	J H	0.20	0.032
124-48-1	Dibromochloromethane	208.28	ND	H UJ	0.20	0.015
75-71-8	Dichlorodifluoromethane	120.91	0.52	H J	0.50	0.11
100-41-4	Ethylbenzene	106.17	0.40	H J	0.20	0.052
87-68-3	Hexachlorobutadiene	260.76	ND	H UJ	0.20	0.11
67-63-0	Isopropyl alcohol	60.10	3.7	J H	5.0	1.6
179601-23-1	m,p-Xylene	106.17	0.90	H J	0.50	0.095
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.19	J H	0.50	0.15
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	6.0	H J	0.50	0.49
80-62-6	Methyl methacrylate	100.12	ND	H UJ	0.50	0.14
1634-04-4	Methyl tert-butyl ether	88.15	0.34	H J	0.20	0.036
75-09-2	Methylene Chloride	84.93	0.20	J H	0.50	0.18
91-20-3	Naphthalene	128.17	ND	H UJ	0.38	0.30
106-97-8	n-Butane	58.12	5.0	H J	0.50	0.20
104-51-8	n-Butylbenzene	134.22	ND	H UJ	0.20	0.11
142-82-5	n-Heptane	100.21	0.28	H J	0.20	0.055
110-54-3	n-Hexane	86.17	0.76	H J	0.50	0.11
103-65-1	N-Propylbenzene	120.19	ND	H UJ	0.20	0.047
95-47-6	o-Xylene	106.17	0.39	H J	0.20	0.052

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-4 Lab Sample ID: 480-232498-4

Matrix: Air Lab File ID: 6S15X22.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:45

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 18:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	ND	H UJ	0.20	0.045
100-42-5	Styrene	104.15	ND	H UJ	0.20	0.059
75-65-0	tert-Butyl alcohol	74.12	19	H J	5.0	1.2
98-06-6	tert-Butylbenzene	134.22	ND	H UJ	0.20	0.047
127-18-4	Tetrachloroethene	165.83	ND	H UJ	0.20	0.021
109-99-9	Tetrahydrofuran	72.11	ND	H UJ	5.0	1.3
108-88-3	Toluene	92.14	0.83	H J	0.20	0.042
156-60-5	trans-1,2-Dichloroethene	96.94	ND	H UJ	0.20	0.023
10061-02-6	trans-1,3-Dichloropropene	110.97	ND	H UJ	0.20	0.054
79-01-6	Trichloroethene	131.39	ND	H UJ	0.037	0.025
75-69-4	Trichlorofluoromethane	137.37	0.33	H J	0.20	0.050
75-01-4	Vinyl chloride	62.50	0.21	H J	0.078	0.021

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-4 DL Lab Sample ID: 480-232498-4 DL

Matrix: Air Lab File ID: 6S15X30.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:45

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 21:45

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ug/m3

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	190	H J	120	38

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-4 DL Lab Sample ID: 480-232498-4 DL

Matrix: Air Lab File ID: 6S15X30.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:45

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 21:45

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	78	H J	50	16

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-5 Lab Sample ID: 480-232498-5

Matrix: Air Lab File ID: 6S15X15.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:50

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 15:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ug/m3

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND	H UJ	1.1	0.24
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND	H UJ	1.4	0.30
79-00-5	1,1,2-Trichloroethane	133.41	ND	H UJ	1.1	0.40
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.70	J H	1.5	0.41
75-34-3	1,1-Dichloroethane	98.96	ND	H UJ	0.81	0.10
75-35-4	1,1-Dichloroethene	96.94	ND	H	0.20	0.10
120-82-1	1,2,4-Trichlorobenzene	181.45	ND	H	3.7	0.38
95-63-6	1,2,4-Trimethylbenzene	120.20	ND	H	0.98	0.39
106-93-4	1,2-Dibromoethane	187.87	ND	H	1.5	0.32
95-50-1	1,2-Dichlorobenzene	147.00	ND	H	1.2	0.40
107-06-2	1,2-Dichloroethane	98.96	ND	H	0.81	0.38
78-87-5	1,2-Dichloropropane	112.99	ND	H	0.92	0.43
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND	H	1.4	0.34
108-67-8	1,3,5-Trimethylbenzene	120.20	ND	H	0.98	0.23
106-99-0	1,3-Butadiene	54.09	ND	H	0.44	0.086
541-73-1	1,3-Dichlorobenzene	147.00	30	H J	1.2	0.45
106-46-7	1,4-Dichlorobenzene	147.00	ND	H UJ	1.2	0.54
123-91-1	1,4-Dioxane	88.11	ND	H UJ	18	0.17
540-84-1	2,2,4-Trimethylpentane	114.23	0.60	J H	0.93	0.18
95-49-8	2-Chlorotoluene	126.59	ND	H UJ	1.0	0.24
107-05-1	3-Chloropropene	76.53	ND	H	1.6	0.38
622-96-8	4-Ethyltoluene	120.20	ND	H	0.98	0.24
99-87-6	4-Isopropyltoluene	134.22	ND	H	1.1	0.34
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	1.8	J H	2.1	0.53
71-43-2	Benzene	78.11	2.5	H J	0.64	0.14
100-44-7	Benzyl chloride	126.58	ND	H UJ	1.0	0.46
75-27-4	Bromodichloromethane	163.83	ND	H	1.3	0.34
593-60-2	Bromoethene(Vinyl Bromide)	106.96	ND	H	0.88	0.22
75-25-2	Bromoform	252.75	ND	H	2.1	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-5 Lab Sample ID: 480-232498-5

Matrix: Air Lab File ID: 6S15X15.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:50

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 15:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ug/m3

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND	H UJ	0.78	0.28
75-15-0	Carbon disulfide	76.14	1.4	J H	1.6	0.41
56-23-5	Carbon tetrachloride	153.81	ND	H UJ	0.22	0.14
108-90-7	Chlorobenzene	112.56	0.77	J H	0.92	0.20
75-45-6	Chlorodifluoromethane	86.47	ND	H UJ	1.8	0.42
75-00-3	Chloroethane	64.52	ND	H UJ	1.3	0.48
67-66-3	Chloroform	119.38	0.46	J H	0.98	0.20
74-87-3	Chloromethane	50.49	ND	H UJ	1.0	0.31
156-59-2	cis-1,2-Dichloroethene	96.94	ND	H	0.20	0.083
10061-01-5	cis-1,3-Dichloropropene	110.97	ND	H	0.91	0.20
98-82-8	Cumene	120.19	ND	H	0.98	0.20
110-82-7	Cyclohexane	84.16	0.77	H J	0.69	0.11
124-48-1	Dibromochloromethane	208.28	ND	H UJ	1.7	0.13
75-71-8	Dichlorodifluoromethane	120.91	2.5	H J	2.5	0.54
100-41-4	Ethylbenzene	106.17	0.55	J H	0.87	0.23
87-68-3	Hexachlorobutadiene	260.76	ND	H UJ	2.1	1.2
67-63-0	Isopropyl alcohol	60.10	ND	H UJ	12	3.9
179601-23-1	m,p-Xylene	106.17	1.8	J H	2.2	0.41
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.9	H J	2.1	0.62
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	30	H J	1.5	1.5
80-62-6	Methyl methacrylate	100.12	ND	H UJ	2.1	0.57
1634-04-4	Methyl tert-butyl ether	88.15	0.51	J H	0.72	0.13
75-09-2	Methylene Chloride	84.93	ND	H UJ	1.7	0.63
91-20-3	Naphthalene	128.17	ND	H UJ	2.0	1.6
106-97-8	n-Butane	58.12	3.4	H J	1.2	0.48
104-51-8	n-Butylbenzene	134.22	ND	H UJ	1.1	0.60
142-82-5	n-Heptane	100.21	1.2	H J	0.82	0.23
110-54-3	n-Hexane	86.17	1.2	J H	1.8	0.39
103-65-1	N-Propylbenzene	120.19	ND	H UJ	0.98	0.23
95-47-6	o-Xylene	106.17	0.78	J H	0.87	0.23

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-5 Lab Sample ID: 480-232498-5

Matrix: Air Lab File ID: 6S15X15.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:50

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 15:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ug/m3

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	ND	H UJ	1.1	0.25
100-42-5	Styrene	104.15	ND	H UJ	0.85	0.25
98-06-6	tert-Butylbenzene	134.22	ND	H UJ	1.1	0.26
127-18-4	Tetrachloroethene	165.83	5.4	H J	1.4	0.14
109-99-9	Tetrahydrofuran	72.11	ND	H UJ	15	3.8
108-88-3	Toluene	92.14	2.3	H J	0.75	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	ND	H UJ	0.79	0.091
10061-02-6	trans-1,3-Dichloropropene	110.97	ND	H UJ	0.91	0.25
79-01-6	Trichloroethene	131.39	ND	H UJ	0.20	0.13
75-69-4	Trichlorofluoromethane	137.37	1.3	H J	1.1	0.28
75-01-4	Vinyl chloride	62.50	ND	H UJ	0.20	0.054

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-5 Lab Sample ID: 480-232498-5

Matrix: Air Lab File ID: 6S15X15.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:50

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 15:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND	H UJ	0.20	0.044
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND	H UJ	0.20	0.043
79-00-5	1,1,2-Trichloroethane	133.41	ND	H UJ	0.20	0.074
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.092	J H	0.20	0.053
75-34-3	1,1-Dichloroethane	98.96	ND	H UJ	0.20	0.025
75-35-4	1,1-Dichloroethene	96.94	ND	H	0.050	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	ND	H	0.50	0.051
95-63-6	1,2,4-Trimethylbenzene	120.20	ND	H	0.20	0.080
106-93-4	1,2-Dibromoethane	187.87	ND	H	0.20	0.042
95-50-1	1,2-Dichlorobenzene	147.00	ND	H	0.20	0.066
107-06-2	1,2-Dichloroethane	98.96	ND	H	0.20	0.093
78-87-5	1,2-Dichloropropane	112.99	ND	H	0.20	0.094
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND	H	0.20	0.048
108-67-8	1,3,5-Trimethylbenzene	120.20	ND	H	0.20	0.047
106-99-0	1,3-Butadiene	54.09	ND	H	0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	4.9	H J	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	ND	H UJ	0.20	0.089
123-91-1	1,4-Dioxane	88.11	ND	H UJ	5.0	0.047
540-84-1	2,2,4-Trimethylpentane	114.23	0.13	J H	0.20	0.038
95-49-8	2-Chlorotoluene	126.59	ND	H UJ	0.20	0.046
107-05-1	3-Chloropropene	76.53	ND	H	0.50	0.12
622-96-8	4-Ethyltoluene	120.20	ND	H	0.20	0.049
99-87-6	4-Isopropyltoluene	134.22	ND	H	0.20	0.061
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.44	J H	0.50	0.13
71-43-2	Benzene	78.11	0.77	H UJ	0.20	0.044
100-44-7	Benzyl chloride	126.58	ND	H	0.20	0.088
75-27-4	Bromodichloromethane	163.83	ND	H	0.20	0.050
593-60-2	Bromoethene(Vinyl Bromide)	106.96	ND	H	0.20	0.050
75-25-2	Bromoform	252.75	ND	H	0.20	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-5 Lab Sample ID: 480-232498-5

Matrix: Air Lab File ID: 6S15X15.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:50

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 15:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND	H UJ	0.20	0.071
75-15-0	Carbon disulfide	76.14	0.47	J H	0.50	0.13
56-23-5	Carbon tetrachloride	153.81	ND	H UJ	0.035	0.022
108-90-7	Chlorobenzene	112.56	0.17	J H	0.20	0.044
75-45-6	Chlorodifluoromethane	86.47	ND	H UJ	0.50	0.12
75-00-3	Chloroethane	64.52	ND	H UJ	0.50	0.18
67-66-3	Chloroform	119.38	0.094	J H	0.20	0.041
74-87-3	Chloromethane	50.49	ND	H UJ	0.50	0.15
156-59-2	cis-1,2-Dichloroethene	96.94	ND	H	0.050	0.021
10061-01-5	cis-1,3-Dichloropropene	110.97	ND	H	0.20	0.045
98-82-8	Cumene	120.19	ND	H	0.20	0.041
110-82-7	Cyclohexane	84.16	0.22	H J	0.20	0.032
124-48-1	Dibromochloromethane	208.28	ND	H UJ	0.20	0.015
75-71-8	Dichlorodifluoromethane	120.91	0.51	H J	0.50	0.11
100-41-4	Ethylbenzene	106.17	0.13	J H	0.20	0.052
87-68-3	Hexachlorobutadiene	260.76	ND	H UJ	0.20	0.11
67-63-0	Isopropyl alcohol	60.10	ND	H UJ	5.0	1.6
179601-23-1	m,p-Xylene	106.17	0.41	J H	0.50	0.095
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.71	H J	0.50	0.15
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	10	H J	0.50	0.49
80-62-6	Methyl methacrylate	100.12	ND	H UJ	0.50	0.14
1634-04-4	Methyl tert-butyl ether	88.15	0.14	J H	0.20	0.036
75-09-2	Methylene Chloride	84.93	ND	H UJ	0.50	0.18
91-20-3	Naphthalene	128.17	ND	H UJ	0.38	0.30
106-97-8	n-Butane	58.12	1.4	H J	0.50	0.20
104-51-8	n-Butylbenzene	134.22	ND	H UJ	0.20	0.11
142-82-5	n-Heptane	100.21	0.28	H J	0.20	0.055
110-54-3	n-Hexane	86.17	0.33	J H	0.50	0.11
103-65-1	N-Propylbenzene	120.19	ND	H J	0.20	0.047
95-47-6	o-Xylene	106.17	0.18	J H	0.20	0.052

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-5 Lab Sample ID: 480-232498-5

Matrix: Air Lab File ID: 6S15X15.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:50

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 15:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	ND	H UJ	0.20	0.045
100-42-5	Styrene	104.15	ND	H UJ	0.20	0.059
98-06-6	tert-Butylbenzene	134.22	ND	H UJ	0.20	0.047
127-18-4	Tetrachloroethene	165.83	0.79	H J	0.20	0.021
109-99-9	Tetrahydrofuran	72.11	ND	H UJ	5.0	1.3
108-88-3	Toluene	92.14	0.62	H J	0.20	0.042
156-60-5	trans-1,2-Dichloroethene	96.94	ND	H UJ	0.20	0.023
10061-02-6	trans-1,3-Dichloropropene	110.97	ND	H UJ	0.20	0.054
79-01-6	Trichloroethene	131.39	ND	H UJ	0.037	0.025
75-69-4	Trichlorofluoromethane	137.37	0.24	H J	0.20	0.050
75-01-4	Vinyl chloride	62.50	ND	H UJ	0.078	0.021

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-5 DL
Lab Sample ID: 480-232498-5 DL

Matrix: Air
Lab File ID: 6S15X25.D

Analysis Method: TO 15 LL
Date Collected: 08/11/2025 16:50

Sample wt/vol: 200(mL)
Date Analyzed: 09/15/2025 19:45

Soil Aliquot Vol:
Dilution Factor: 4

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume:
Heated Purge: (Y/N) pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 699173
Units: ug/m3

Preparation Batch No.:
Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-65-0	tert-Butyl alcohol	74.12	110	H J	61	15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-5 DL
Lab Sample ID: 480-232498-5 DL

Matrix: Air
Lab File ID: 6S15X25.D

Analysis Method: TO 15 LL
Date Collected: 08/11/2025 16:50

Sample wt/vol: 200(mL)
Date Analyzed: 09/15/2025 19:45

Soil Aliquot Vol:
Dilution Factor: 4

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume:
Heated Purge: (Y/N) pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 699173
Units: ppb v/v

Preparation Batch No.:
Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-65-0	tert-Butyl alcohol	74.12	35	H J	20	4.8

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-5 DL2
Lab Sample ID: 480-232498-5 DL2

Matrix: Air
Lab File ID: 6S15X26.D

Analysis Method: TO 15 LL
Date Collected: 08/11/2025 16:50

Sample wt/vol: 200(mL)
Date Analyzed: 09/15/2025 20:06

Soil Aliquot Vol:
Dilution Factor: 10

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume:
Heated Purge: (Y/N) pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 699173
Units: ug/m3

Preparation Batch No.:
Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	270	H J	120	38

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: SV-5 DL2 Lab Sample ID: 480-232498-5 DL2

Matrix: Air Lab File ID: 6S15X26.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:50

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 20:06

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	110	H J	50	16

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: OA Lab Sample ID: 480-232498-6

Matrix: Air Lab File ID: 6S15X16.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:55

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 15:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ug/m3

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND	H UJ	1.1	0.24
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND	H	1.4	0.30
79-00-5	1,1,2-Trichloroethane	133.41	ND	H	1.1	0.40
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND	H	1.5	0.41
75-34-3	1,1-Dichloroethane	98.96	ND	H	0.81	0.10
75-35-4	1,1-Dichloroethene	96.94	ND	H	0.20	0.10
120-82-1	1,2,4-Trichlorobenzene	181.45	ND	H	3.7	0.38
95-63-6	1,2,4-Trimethylbenzene	120.20	ND	H	0.98	0.39
106-93-4	1,2-Dibromoethane	187.87	ND	H	1.5	0.32
95-50-1	1,2-Dichlorobenzene	147.00	ND	H	1.2	0.40
107-06-2	1,2-Dichloroethane	98.96	ND	H	0.81	0.38
78-87-5	1,2-Dichloropropane	112.99	ND	H	0.92	0.43
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND	H	1.4	0.34
108-67-8	1,3,5-Trimethylbenzene	120.20	ND	H	0.98	0.23
106-99-0	1,3-Butadiene	54.09	ND	H	0.44	0.086
541-73-1	1,3-Dichlorobenzene	147.00	ND	H	1.2	0.45
106-46-7	1,4-Dichlorobenzene	147.00	ND	H	1.2	0.54
123-91-1	1,4-Dioxane	88.11	ND	H	18	0.17
540-84-1	2,2,4-Trimethylpentane	114.23	ND	H	0.93	0.18
95-49-8	2-Chlorotoluene	126.59	ND	H	1.0	0.24
107-05-1	3-Chloropropene	76.53	ND	H	1.6	0.38
622-96-8	4-Ethyltoluene	120.20	ND	H	0.98	0.24
99-87-6	4-Isopropyltoluene	134.22	ND	H	1.1	0.34
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	ND	H	2.1	0.53
71-43-2	Benzene	78.11	ND	H	0.64	0.14
100-44-7	Benzyl chloride	126.58	ND	H	1.0	0.46
75-27-4	Bromodichloromethane	163.83	ND	H	1.3	0.34
593-60-2	Bromoethene(Vinyl Bromide)	106.96	ND	H	0.88	0.22
75-25-2	Bromoform	252.75	ND	H	2.1	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: OA Lab Sample ID: 480-232498-6

Matrix: Air Lab File ID: 6S15X16.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:55

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 15:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ug/m3

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND	H UJ	0.78	0.28
75-15-0	Carbon disulfide	76.14	3.6	H J	1.6	0.41
56-23-5	Carbon tetrachloride	153.81	ND	H UJ	0.22	0.14
108-90-7	Chlorobenzene	112.56	ND	H	0.92	0.20
75-45-6	Chlorodifluoromethane	86.47	ND	H	1.8	0.42
75-00-3	Chloroethane	64.52	ND	H	1.3	0.48
67-66-3	Chloroform	119.38	2.8	H J	0.98	0.20
74-87-3	Chloromethane	50.49	ND	H UJ	1.0	0.31
156-59-2	cis-1,2-Dichloroethene	96.94	ND	H	0.20	0.083
10061-01-5	cis-1,3-Dichloropropene	110.97	ND	H	0.91	0.20
98-82-8	Cumene	120.19	ND	H	0.98	0.20
110-82-7	Cyclohexane	84.16	ND	H	0.69	0.11
124-48-1	Dibromochloromethane	208.28	ND	H	1.7	0.13
75-71-8	Dichlorodifluoromethane	120.91	2.8	H J	2.5	0.54
100-41-4	Ethylbenzene	106.17	ND	H UJ	0.87	0.23
87-68-3	Hexachlorobutadiene	260.76	ND	H	2.1	1.2
67-63-0	Isopropyl alcohol	60.10	ND	H	12	3.9
179601-23-1	m,p-Xylene	106.17	ND	H	2.2	0.41
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND	H	2.1	0.62
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	ND	H	1.5	1.5
80-62-6	Methyl methacrylate	100.12	ND	H	2.1	0.57
1634-04-4	Methyl tert-butyl ether	88.15	ND	H	0.72	0.13
75-09-2	Methylene Chloride	84.93	2.6	H J	1.7	0.63
91-20-3	Naphthalene	128.17	ND	H UJ	2.0	1.6
106-97-8	n-Butane	58.12	5.5	H J	1.2	0.48
104-51-8	n-Butylbenzene	134.22	ND	H UJ	1.1	0.60
142-82-5	n-Heptane	100.21	ND	H	0.82	0.23
110-54-3	n-Hexane	86.17	ND	H	1.8	0.39
103-65-1	N-Propylbenzene	120.19	ND	H	0.98	0.23
95-47-6	o-Xylene	106.17	ND	H	0.87	0.23

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: OA Lab Sample ID: 480-232498-6

Matrix: Air Lab File ID: 6S15X16.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:55

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 15:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ug/m3

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	ND	H UJ	1.1	0.25
100-42-5	Styrene	104.15	ND	H UJ	0.85	0.25
75-65-0	tert-Butyl alcohol	74.12	6.6	J H	15	3.6
98-06-6	tert-Butylbenzene	134.22	ND	H UJ	1.1	0.26
127-18-4	Tetrachloroethene	165.83	13	H J	1.4	0.14
109-99-9	Tetrahydrofuran	72.11	ND	H UJ	15	3.8
108-88-3	Toluene	92.14	ND	H UJ	0.75	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	ND	H UJ	0.79	0.091
10061-02-6	trans-1,3-Dichloropropene	110.97	ND	H UJ	0.91	0.25
79-01-6	Trichloroethene	131.39	ND	H UJ	0.20	0.13
75-69-4	Trichlorofluoromethane	137.37	1.1	H J	1.1	0.28
75-01-4	Vinyl chloride	62.50	ND	H UJ	0.20	0.054

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: OA Lab Sample ID: 480-232498-6

Matrix: Air Lab File ID: 6S15X16.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:55

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 15:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND	H UJ	0.20	0.044
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND	H	0.20	0.043
79-00-5	1,1,2-Trichloroethane	133.41	ND	H	0.20	0.074
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND	H	0.20	0.053
75-34-3	1,1-Dichloroethane	98.96	ND	H	0.20	0.025
75-35-4	1,1-Dichloroethene	96.94	ND	H	0.050	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	ND	H	0.50	0.051
95-63-6	1,2,4-Trimethylbenzene	120.20	ND	H	0.20	0.080
106-93-4	1,2-Dibromoethane	187.87	ND	H	0.20	0.042
95-50-1	1,2-Dichlorobenzene	147.00	ND	H	0.20	0.066
107-06-2	1,2-Dichloroethane	98.96	ND	H	0.20	0.093
78-87-5	1,2-Dichloropropane	112.99	ND	H	0.20	0.094
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND	H	0.20	0.048
108-67-8	1,3,5-Trimethylbenzene	120.20	ND	H	0.20	0.047
106-99-0	1,3-Butadiene	54.09	ND	H	0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	ND	H	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	ND	H	0.20	0.089
123-91-1	1,4-Dioxane	88.11	ND	H	5.0	0.047
540-84-1	2,2,4-Trimethylpentane	114.23	ND	H	0.20	0.038
95-49-8	2-Chlorotoluene	126.59	ND	H	0.20	0.046
107-05-1	3-Chloropropene	76.53	ND	H	0.50	0.12
622-96-8	4-Ethyltoluene	120.20	ND	H	0.20	0.049
99-87-6	4-Isopropyltoluene	134.22	ND	H	0.20	0.061
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	ND	H	0.50	0.13
71-43-2	Benzene	78.11	ND	H	0.20	0.044
100-44-7	Benzyl chloride	126.58	ND	H	0.20	0.088
75-27-4	Bromodichloromethane	163.83	ND	H	0.20	0.050
593-60-2	Bromoethene(Vinyl Bromide)	106.96	ND	H	0.20	0.050
75-25-2	Bromoform	252.75	ND	H	0.20	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: OA Lab Sample ID: 480-232498-6

Matrix: Air Lab File ID: 6S15X16.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:55

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 15:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND	H UJ	0.20	0.071
75-15-0	Carbon disulfide	76.14	1.2	H J	0.50	0.13
56-23-5	Carbon tetrachloride	153.81	ND	H UJ	0.035	0.022
108-90-7	Chlorobenzene	112.56	ND	H	0.20	0.044
75-45-6	Chlorodifluoromethane	86.47	ND	H	0.50	0.12
75-00-3	Chloroethane	64.52	ND	H	0.50	0.18
67-66-3	Chloroform	119.38	0.58	H J	0.20	0.041
74-87-3	Chloromethane	50.49	ND	H UJ	0.50	0.15
156-59-2	cis-1,2-Dichloroethene	96.94	ND	H	0.050	0.021
10061-01-5	cis-1,3-Dichloropropene	110.97	ND	H	0.20	0.045
98-82-8	Cumene	120.19	ND	H	0.20	0.041
110-82-7	Cyclohexane	84.16	ND	H	0.20	0.032
124-48-1	Dibromochloromethane	208.28	ND	H	0.20	0.015
75-71-8	Dichlorodifluoromethane	120.91	0.56	H J	0.50	0.11
100-41-4	Ethylbenzene	106.17	ND	H UJ	0.20	0.052
87-68-3	Hexachlorobutadiene	260.76	ND	H	0.20	0.11
67-63-0	Isopropyl alcohol	60.10	ND	H	5.0	1.6
179601-23-1	m,p-Xylene	106.17	ND	H	0.50	0.095
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND	H	0.50	0.15
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	ND	H	0.50	0.49
80-62-6	Methyl methacrylate	100.12	ND	H	0.50	0.14
1634-04-4	Methyl tert-butyl ether	88.15	ND	H	0.20	0.036
75-09-2	Methylene Chloride	84.93	0.75	H J	0.50	0.18
91-20-3	Naphthalene	128.17	ND	H UJ	0.38	0.30
106-97-8	n-Butane	58.12	2.3	H J	0.50	0.20
104-51-8	n-Butylbenzene	134.22	ND	H UJ	0.20	0.11
142-82-5	n-Heptane	100.21	ND	H	0.20	0.055
110-54-3	n-Hexane	86.17	ND	H	0.50	0.11
103-65-1	N-Propylbenzene	120.19	ND	H	0.20	0.047
95-47-6	o-Xylene	106.17	ND	H	0.20	0.052

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 480-232498-1

SDG No.:

Client Sample ID: OA Lab Sample ID: 480-232498-6

Matrix: Air Lab File ID: 6S15X16.D

Analysis Method: TO 15 LL Date Collected: 08/11/2025 16:55

Sample wt/vol: 200(mL) Date Analyzed: 09/15/2025 15:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 699173 Units: ppb v/v

Preparation Batch No.: Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	ND	H UJ	0.20	0.045
100-42-5	Styrene	104.15	ND	H UJ	0.20	0.059
75-65-0	tert-Butyl alcohol	74.12	2.2	J H	5.0	1.2
98-06-6	tert-Butylbenzene	134.22	ND	H UJ	0.20	0.047
127-18-4	Tetrachloroethene	165.83	1.9	H J	0.20	0.021
109-99-9	Tetrahydrofuran	72.11	ND	H UJ	5.0	1.3
108-88-3	Toluene	92.14	ND	H UJ	0.20	0.042
156-60-5	trans-1,2-Dichloroethene	96.94	ND	H UJ	0.20	0.023
10061-02-6	trans-1,3-Dichloropropene	110.97	ND	H UJ	0.20	0.054
79-01-6	Trichloroethene	131.39	ND	H UJ	0.037	0.025
75-69-4	Trichlorofluoromethane	137.37	0.20	H J	0.20	0.050
75-01-4	Vinyl chloride	62.50	ND	H UJ	0.078	0.021

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-232498-1

SDG No.:

Client Sample ID: OA DL
Lab Sample ID: 480-232498-6 DL

Matrix: Air
Lab File ID: 6S15X27.D

Analysis Method: TO 15 LL
Date Collected: 08/11/2025 16:55

Sample wt/vol: 200(mL)
Date Analyzed: 09/15/2025 20:31

Soil Aliquot Vol:
Dilution Factor: 2

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume:
Heated Purge: (Y/N) pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 699173
Units: ug/m3

Preparation Batch No.:
Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	75	H J	24	7.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 480-232498-1

SDG No.:

Client Sample ID: OA DL
Lab Sample ID: 480-232498-6 DL

Matrix: Air
Lab File ID: 6S15X27.D

Analysis Method: TO 15 LL
Date Collected: 08/11/2025 16:55

Sample wt/vol: 200(mL)
Date Analyzed: 09/15/2025 20:31

Soil Aliquot Vol:
Dilution Factor: 2

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

Purge Volume:
Heated Purge: (Y/N) pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 699173
Units: ppb v/v

Preparation Batch No.:
Instrument ID: HP26379

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	32	H J	10	3.2

Environmental Assessment & Remediations
A LaBella Company

October 28, 2025

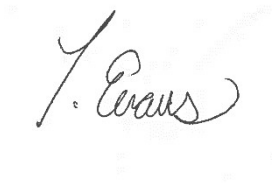
To: Stephen Campana
Labella Associates DPC
300 Pearl Street, Suite 130
Buffalo, NY 14202

Subject: 9 Lakeview Ave BCP Service- Data Usability Summary Report

The Following Item Transmitted:
Data Package:

Originals	Description of Materials	Electronic/ Hard Copy
1	480-232987-1_NYSDEC_CatB_Package_Mini_Final Report.pdf	Electronic

Signature:



Tracey Evans
Chemist
tevans@labellapc.com
Environmental Assessment & Remediations
A Labella Company
225 Atlantic Avenue
Patchogue, New York 11772
631-447-6400 ext.124

9 Lakeview Ave BCP Service, Data Usability Summary Report for September 25, 2025, Soil Sample

Client: Labella Associates DPC
Laboratory: Eurofins Environmental Testing (NELAP ID 10026,10975,11452)
Site: 9 Lakeview Ave BCP Service
Project Number: 2253075

Lab Job ID: 480-232987-1										
				Methods Evaluated						
Lab ID	Field ID	Collection Date	Matrix	VOCs 8260C	SVOCs 8270D	Pesticides 8081B	PCBs 8082A	PFAS 1633A	Metals 6010D and 7471B	General Chemistry *
480-232987-1	SS-6	9/25/2025	soil	x	x	x	x	x	x	x

GC-General Chemistry section includes Chromium 7196A and SM 3500 CR D and Percent Moisture/ Percent Solid

Laboratory report reviewed under:

- USEPA Contract Laboratory Program National Functional Guidance for Organic Superfund Methods Data Review, EPA 542-R-20-005 (January 2020).
- USEPA Contract Laboratory Program National Functional Guidance for Inorganic Superfund Methods Data Review, EPA 542-R-20-006 (January 2020).
- VOA Standard Operation for the Validation of Volatile Data, QA-HWSS-A-004 (March 2022).
- VOA Standard Operation for the Validation of Semivolatile Data, QA-HWSS-A-005 (April 2022).
- Standard Operating Procedure for the Validation of Pesticide Data, QA-HWSS-A-007 (April 2022)
- Standard Operating Procedure for the Validation of Polychlorinated Biphenyl (PCB) Aroclor Data, SOP#QA-HWSS-A-006 (March 2022)
- Standard Operating Procedure for the Validation of Mercury Data, SOP#QA-HWSS-A-011 (March 2022)
- Standard Operating Procedure for the Validation of Cyanide Data, SOP#QA-HWSS-A-012 (March 2022)
- Sampling, Analysis, And Assessment of Per- and Polyfluoroalkyl Substances (PFAS) (Under NYSDEC's Part 375 Remedial Program) (April 2023)
- Standard Operating Procedure for the Validation of ICP-AES Data, QA-HWSS-A-010 (February 2022)
- Standard Methods for the Examination of Water and Wastewater, 24th edition, SM 2540 Solids (2017)
- Professional judgment.

Criteria for Data Usability Summary Report

Completeness:
A complete data package contains all relevant and related material, packaged for distribution to its client, in accordance with the Analytical Service Protocol (ASP) Category B Deliverables guidelines.

Compliant:
A compliant data package is determined to contain all work related to the production of laboratory data in a manner consistent with the Quality Assurance Program Plan.

Overall Usability Issue

Data validation completed per the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.

This analytical report complies with the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.

In conclusion, the data reviewed in this report is usable data which meets the criteria for compliance with methods 8260C, 8270D, 8081B, 8082A,8151A, 1633A, 6010D,7471B, 7196A, and SM 3500. Percent Moisture and Percent Solid conducted under EPA Method 40 CFR 60.17 was completed without issue.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.

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Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocylcohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronapthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
ND	Non-detected or Not Detected
PID	Photo Ionization Detector

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Data Validation Acronyms

PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
%D	Percent Drift
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation

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Data Validation Qualifiers

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

Method Review: 8260C VOCs

Lab Job ID: 480-232987-1

Lab ID	Field ID	Collection Date	Matrix
480-232987-1	SS-6	9/25/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under USEPA Contract Laboratory Program National Functional Guidance for Super Organic Methods Data and QA-HWSS-A-004 VOA Standard Operation for the Validation of Volatile Data.

• Within CCVIS 480-758363/4, analytes Trichlorofluoromethane, and Naphthalene recovered above the upper limits of %D control limits, which led to the qualification of estimate and non-detect estimate "J/UJ" values.

The data met the category B criterion and is therefore usable.

Method Review: 8270D SVOCs

Lab Job ID: 480-232987-1

Lab ID	Field ID	Collection Date	Matrix
480-232987-1	SS-6	9/25/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under EPA Region 2 protocol Standard Operating Procedure for Validation of Semivolatile Data, QA-HWSS-A-005, along with the EPA's National Functional Guideline for Organic Compounds.

The data met the category B criterion and is therefore usable.

Method Review: 8081B Pesticides

Lab Job ID: 480-232987-1

Lab ID	Field ID	Collection Date	Matrix
480-232987-1	SS-6	9/25/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under EPA Region 2 Standard Operating Procedure for Validation of Pesticides Data, QA-HWSS-A_007.

• %RPD of certain detected pesticides was greater than 25% between the two columns used. As all analytes were detected as estimated "J" values, no further qualification is needed.

The data met the category B criterion and is therefore usable.

Method Review: 8082A PCB

Lab Job ID: 480-232987-1

Lab ID	Field ID	Collection Date	Matrix
480-232987-1	SS-6	9/25/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under EPA Region 2 protocol Standard Operating Procedure for Validation of Polychlorinated Biphenyl (PCB) Aroclor Data, SOP#QA-HWSS-A-006.

The data met the category B criterion and is therefore usable.

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Method Review: (SW-846) 8151A Chlorinated Herbicides

Lab Job ID: 480-232987-1

Lab ID	Field ID	Collection Date	Matrix
480-232987-1	SS-6	9/25/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly in accordance with the National Functional Guideline for Organic Superfund Method Data Review.

The data met the category B criterion and is therefore usable.

Method Review: 1633 PFAS

Lab Job ID: 480-232987-1

Lab ID	Field ID	Collection Date	Matrix
480-232987-1	SS-6	9/25/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under EPA's National Functional Guideline for Organic Compounds, DEC's Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances, and method 1633.

• Internal standard 13C2 6:2 FTS, recovered above the QC limit within the sample, but was already qualified as an estimate "J" value; no further qualification was needed.

The data met the category B criterion and is therefore usable.

Method Review: 6010D and 7473 Metals and Mercury

Lab Job ID: 480-232987-1

Lab ID	Field ID	Collection Date	Matrix
480-232987-1	SS-6	9/25/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under SOP#QA-HWSS-A-010.

• Within Method Blank, MB 480-758138/1-A, Zin was detected at a low concentration compared to the sample, whose concentration was greater than 10 times; no qualification is needed. Within the Continuing Calibration Blank (CCB)s CCB 480-758327/44 and CCB 480-758327/55, Copper and Manganese metals were detected at a low concentration compared to the sample, whose concentration was greater than 10 times; no qualification is needed.

• It is noted that the linear range check standard of Silver and Nickel was below the recovery limit, while Sodium was above the recovery limit; no further qualification is needed.

Data is within the category B criterion and is usable.

Method Review: 7196A Hexavalent Chromium and SM 3500 Cr D Trivalent Chromium

Lab Job ID: 480-232987-1

Lab ID	Field ID	Collection Date	Matrix
480-232987-1	SS-6	9/25/2025	soil

Reviewer Summary:
Samples were handled and analyzed properly under USEPA Contract Laboratory Program National Functional Guidance for Super Inorganic Methods Data
Review.
The data met the category B criterion and is therefore usable.

Attachments for Method Review

Original Report Results

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232987-1

SDG No.:

Client Sample ID: SS-6 | Lab Sample ID: 480-232987-1

Matrix: Solid | Lab File ID: S2232.d

Analysis Method: 8260C | Date Collected: 09/25/2025 08:00

Sample wt/vol: 5.91(g) | Date Analyzed: 09/30/2025 14:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 10.1 % Solids: 89.9 | Level: (low/med) Medium

Analysis Batch No.: 758363 | Units: ug/Kg

Preparation Batch No.: 758362 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	ND		53	11
75-71-8	Dichlorodifluoromethane	ND		53	23
100-41-4	Ethylbenzene	110		53	15
106-93-4	1,2-Dibromoethane	ND		53	9.2
98-82-8	Isopropylbenzene	20	J	53	7.9
79-20-9	Methyl acetate	650		260	25
1634-04-4	Methyl tert-butyl ether	ND		53	20
108-87-2	Methylcyclohexane	420		53	25
75-09-2	Methylene Chloride	ND		53	10
179601-23-1	m,p-Xylene	550		110	29
91-20-3	Naphthalene	160	J	53	18
104-51-8	n-Butylbenzene	33	J	53	15
103-65-1	N-Propylbenzene	51	J	53	14
95-47-6	o-Xylene	260		53	6.8
135-98-8	sec-Butylbenzene	ND		53	19
127-18-4	Tetrachloroethene	100		53	7.1
108-88-3	Toluene	410		53	14
156-60-5	trans-1,2-Dichloroethene	ND		53	12
10061-02-6	trans-1,3-Dichloropropene	ND		53	5.2
79-01-6	Trichloroethene	ND		53	15
75-69-4	Trichlorofluoromethane	ND	UJ	53	25
75-01-4	Vinyl chloride	ND		53	18
1330-20-7	Xylenes, Total	810		110	29
10061-01-5	cis-1,3-Dichloropropene	ND		53	13
100-42-5	Styrene	ND		53	13
98-06-6	tert-Butylbenzene	ND		53	15

Environmental Assessment & Remediations
A LaBella Company

March 25, 2026

To: Stephen Campana
Labella Associates DPC
300 Pearl Street, Suite 130
Buffalo, NY 14202

Subject: 9 Lakeview Ave BCP Service- Data Usability Summary Report

The Following Item Transmitted:
Data Package::

Originals	Description of Materials	Electronic/ Hard Copy
1	480-231050-1_NYSDEC_CatB_Package_Mini_Final Report.pdf	Electronic

Signature:



Tracey Evans
Chemist
tevans@labellapc.com
Environmental Assessment & Remediations
A Labella Company
225 Atlantic Avenue
Patchogue, New York 11772
631-447-6400 ext.124

A LaBella Company

9 Lakeview Ave BCP Service, Data Usability Summary Report for July 14, 2025, Soil Samples

Client: Labella Associates DPC
Laboratory: Eurofins Environmental Testing (NELAP ID 10026)
Site: 9 Lakeview Ave BCP Service
Project Number: 2253075

Lab Job ID: 480-231050-1							
				Methods Evaluated			
Lab ID	Field ID	Collection Date	Matrix	VOCs 8260C	SVOCs 8270D	Metals 6010D and 7471B	General Chemistry *
480-231050-1	Exp-3 8ft	7/14/2025	soil	x	x	x	x
480-231050-2	Exp-3 11ft	7/14/2025	soil	x	x	x	x

General Chemistry section includes Percent Moisture/Percent Solid

Laboratory report reviewed under:

- USEPA Contract Laboratory Program National Functional Guidance for Organic Superfund Methods Data Review, EPA 542-R-20-005 (January 2020).
- USEPA Contract Laboratory Program National Functional Guidance for Inorganic Superfund Methods Data Review, EPA 542-R-20-006 (January 2020).
- VOA Standard Operation for the Validation of Volatile Data, QA-HWSS-A-004 (March 2022).
- VOA Standard Operation for the Validation of Semivolatile Data, QA-HWSS-A-005 (April 2022).
- Standard Operating Procedure for the Validation of ICP-AES Data, QA-HWSS-A-010 (February 2022)
- Standard Operating Procedure for the Validation of Mercury Data, SOP#QA-HWSS-A-011 (March 2022)
- Standard Methods for the Examination of Water and Wastewater, 24th edition, SM 2540 Solids (2017)
- Professional judgment.

Criteria for Data Usability Summary Report

Completeness:
A complete data package contains all relevant and related material, packaged for distribution to its client, in accordance with the Analytical Service Protocol (ASP) Category B Deliverables guidelines. m

Compliant:
A compliant data package is determined to contain all work related to the production of laboratory data in a manner consistent with the Quality Assurance Program Plan.

Overall Usability Issue
Data validation completed per the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.
This analytical report complies with the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.

In conclusion, the data reviewed in this report is usable data which meets criteria for compliance with methods 8260C, 8270D, 6010D, and 7471B. Percent Moisture and Percent Solid conducted under EPA Method 40 CFR 60.17 was completed without issue.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.

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Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocylcohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronapthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
ND	Non-detected or Not Detected
PID	Photo Ionization Detector
PCB	Polychlorinated biphenyl

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Data Validation Acronyms

PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
%D	Percent Drift
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation

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Data Validation Qualifiers

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

Method Review: 8260C Volatile Organic Compounds

Samples were handled and analyzed properly under EPA's National Functional Guideline for Organic Compounds. and QA-HWSS-A-004 VOA Standard Operation for the Validation of Volatile Data.

- Within continuous calibration, CCVIS 480-751892/4, analytes Dibromochloromethane and Vinyl chloride, recoveries were outside the limits of %D control limits, which led to the qualification of non-detect estimate "UJ" values within samples.

The data meets the category B criterion and is therefore usable.

Method Review: 8270D Semivolatile Organic Compounds

Samples were handled and analyzed properly under EPA Region 2 protocol Standard Operating Procedure for Validation of Semivolatile Data, QA-HWSS-A-005, along with the EPA's National Functional Guideline for Organic Compounds.

- Within initial calibration, RSD% over 20% for the analyte Benzaldehyde occurred, but was not detected within any samples; no qualification is needed.

The data meets the category B criterion and is therefore usable.

Method Review: 6010D and 7471B Metals and Mercury

Samples were handled and analyzed properly under SOP#QA-HWSS-010, Standard Operating Procedure for the Validation of ICP-AES Data and SOP#QA-HWSS-A-011, Standard Operating Procedure for the Validation of Mercury Data. Also handled under the EPA’s National Functional Guideline for inorganic Compounds.

- It is noted that the linear range check standard of Silver and Zinc were low bias, where Silver was not detected but Zinc detections were 10 times greater that reported limits; no further qualification is needed.

- Within instrument blank CCB 480-752142/21, Iron was detected as estimated values but was not associated with samples, no further qualification is needed.

The data meets the category B criterion and is therefore usable.

Attachments for Method Review

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231050-1

SDG No.:

Client Sample ID: Exp-3 8ft | Lab Sample ID: 480-231050-1

Matrix: Solid | Lab File ID: S9600.d

Analysis Method: 8260C | Date Collected: 07/14/2025 13:01

Sample wt/vol: 7.955(g) | Date Analyzed: 07/16/2025 14:42

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 2

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 13.6 % Solids: 86.4 | Level: (low/med) Medium

Analysis Batch No.: 751892 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		89	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		89	14
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		89	44
79-00-5	1,1,2-Trichloroethane	ND		89	19
75-34-3	1,1-Dichloroethane	ND		89	27
75-35-4	1,1-Dichloroethene	ND		89	31
120-82-1	1,2,4-Trichlorobenzene	ND		89	34
95-63-6	1,2,4-Trimethylbenzene	ND		89	25
96-12-8	1,2-Dibromo-3-Chloropropane	ND		89	44
95-50-1	1,2-Dichlorobenzene	ND		89	23
107-06-2	1,2-Dichloroethane	ND		89	36
78-87-5	1,2-Dichloropropane	ND		89	14
108-67-8	1,3,5-Trimethylbenzene	ND		89	27
541-73-1	1,3-Dichlorobenzene	ND		89	24
106-46-7	1,4-Dichlorobenzene	ND		89	12
78-93-3	2-Butanone (MEK)	ND		440	260
591-78-6	2-Hexanone	ND		440	180
99-87-6	4-Isopropyltoluene	ND		89	30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		440	28
67-64-1	Acetone	ND		440	360
71-43-2	Benzene	ND		89	17
75-25-2	Bromoform	ND		89	44
74-83-9	Bromomethane	ND		89	19
75-15-0	Carbon disulfide	ND		89	40
56-23-5	Carbon tetrachloride	ND		89	23
108-90-7	Chlorobenzene	ND		89	12
124-48-1	Dibromochloromethane	ND	UJ	89	43
75-00-3	Chloroethane	ND		89	18
67-66-3	Chloroform	ND		89	61
74-87-3	Chloromethane	ND		89	21
156-59-2	cis-1,2-Dichloroethene	ND		89	24
110-82-7	Cyclohexane	ND		89	20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231050-1

SDG No.:

Client Sample ID: Exp-3 8ft | Lab Sample ID: 480-231050-1

Matrix: Solid | Lab File ID: S9600.d

Analysis Method: 8260C | Date Collected: 07/14/2025 13:01

Sample wt/vol: 7.955(g) | Date Analyzed: 07/16/2025 14:42

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 2

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 13.6 % Solids: 86.4 | Level: (low/med) Medium

Analysis Batch No.: 751892 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	ND		89	18
75-71-8	Dichlorodifluoromethane	ND		89	39
100-41-4	Ethylbenzene	ND		89	26
106-93-4	1,2-Dibromoethane	ND		89	16
98-82-8	Isopropylbenzene	ND		89	13
79-20-9	Methyl acetate	ND		440	42
1634-04-4	Methyl tert-butyl ether	ND		89	33
108-87-2	Methylcyclohexane	ND		89	41
75-09-2	Methylene Chloride	ND		89	18
179601-23-1	m,p-Xylene	ND		180	49
91-20-3	Naphthalene	ND		89	30
104-51-8	n-Butylbenzene	ND		89	26
103-65-1	N-Propylbenzene	ND		89	23
95-47-6	o-Xylene	ND		89	12
135-98-8	sec-Butylbenzene	ND		89	33
127-18-4	Tetrachloroethene	ND		89	12
108-88-3	Toluene	ND		89	24
156-60-5	trans-1,2-Dichloroethene	ND		89	21
10061-02-6	trans-1,3-Dichloropropene	ND		89	8.7
79-01-6	Trichloroethene	ND		89	25
75-69-4	Trichlorofluoromethane	ND		89	42
75-01-4	Vinyl chloride	ND	UJ	89	30
1330-20-7	Xylenes, Total	ND		180	49
10061-01-5	cis-1,3-Dichloropropene	ND		89	21
100-42-5	Styrene	ND		89	21
98-06-6	tert-Butylbenzene	ND		89	25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231050-1

SDG No.:

Client Sample ID: Exp-3 11ft | Lab Sample ID: 480-231050-2

Matrix: Solid | Lab File ID: S9601.d

Analysis Method: 8260C | Date Collected: 07/14/2025 13:30

Sample wt/vol: 7.755(g) | Date Analyzed: 07/16/2025 15:05

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 13.1 % Solids: 86.9 | Level: (low/med) Medium

Analysis Batch No.: 751892 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		45	12
79-34-5	1,1,2,2-Tetrachloroethane	ND		45	7.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		45	22
79-00-5	1,1,2-Trichloroethane	ND		45	9.4
75-34-3	1,1-Dichloroethane	ND		45	14
75-35-4	1,1-Dichloroethene	ND		45	15
120-82-1	1,2,4-Trichlorobenzene	ND		45	17
95-63-6	1,2,4-Trimethylbenzene	16	J	45	12
96-12-8	1,2-Dibromo-3-Chloropropane	ND		45	22
95-50-1	1,2-Dichlorobenzene	ND		45	11
107-06-2	1,2-Dichloroethane	ND		45	18
78-87-5	1,2-Dichloropropane	ND		45	7.2
108-67-8	1,3,5-Trimethylbenzene	ND		45	13
541-73-1	1,3-Dichlorobenzene	ND		45	12
106-46-7	1,4-Dichlorobenzene	ND		45	6.2
78-93-3	2-Butanone (MEK)	ND		220	130
591-78-6	2-Hexanone	ND		220	91
99-87-6	4-Isopropyltoluene	ND		45	15
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		220	14
67-64-1	Acetone	ND		220	180
71-43-2	Benzene	ND		45	8.5
75-25-2	Bromoform	ND		45	22
74-83-9	Bromomethane	ND		45	9.8
75-15-0	Carbon disulfide	ND		45	20
56-23-5	Carbon tetrachloride	ND		45	11
108-90-7	Chlorobenzene	ND		45	5.9
124-48-1	Dibromochloromethane	ND	UJ	45	22
75-00-3	Chloroethane	ND		45	9.3
67-66-3	Chloroform	ND		45	31
74-87-3	Chloromethane	ND		45	11
156-59-2	cis-1,2-Dichloroethene	ND		45	12
110-82-7	Cyclohexane	ND		45	9.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-231050-1

SDG No.:

Client Sample ID: Exp-3 11ft | Lab Sample ID: 480-231050-2

Matrix: Solid | Lab File ID: S9601.d

Analysis Method: 8260C | Date Collected: 07/14/2025 13:30

Sample wt/vol: 7.755(g) | Date Analyzed: 07/16/2025 15:05

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 13.1 % Solids: 86.9 | Level: (low/med) Medium

Analysis Batch No.: 751892 | Units: ug/Kg

Preparation Batch No.: 751902 | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	ND		45	8.9
75-71-8	Dichlorodifluoromethane	ND		45	19
100-41-4	Ethylbenzene	ND		45	13
106-93-4	1,2-Dibromoethane	ND		45	7.8
98-82-8	Isopropylbenzene	ND		45	6.7
79-20-9	Methyl acetate	ND		220	21
1634-04-4	Methyl tert-butyl ether	ND		45	17
108-87-2	Methylcyclohexane	ND		45	21
75-09-2	Methylene Chloride	ND		45	8.8
179601-23-1	m,p-Xylene	ND		89	25
91-20-3	Naphthalene	ND		45	15
104-51-8	n-Butylbenzene	13	J	45	13
103-65-1	N-Propylbenzene	ND		45	12
95-47-6	o-Xylene	ND		45	5.8
135-98-8	sec-Butylbenzene	ND		45	16
127-18-4	Tetrachloroethene	30	J	45	6.0
108-88-3	Toluene	ND		45	12
156-60-5	trans-1,2-Dichloroethene	ND		45	11
10061-02-6	trans-1,3-Dichloropropene	ND		45	4.4
79-01-6	Trichloroethene	ND		45	12
75-69-4	Trichlorofluoromethane	ND		45	21
75-01-4	Vinyl chloride	ND	UJ	45	15
1330-20-7	Xylenes, Total	ND		89	25
10061-01-5	cis-1,3-Dichloropropene	ND		45	11
100-42-5	Styrene	ND		45	11
98-06-6	tert-Butylbenzene	ND		45	12

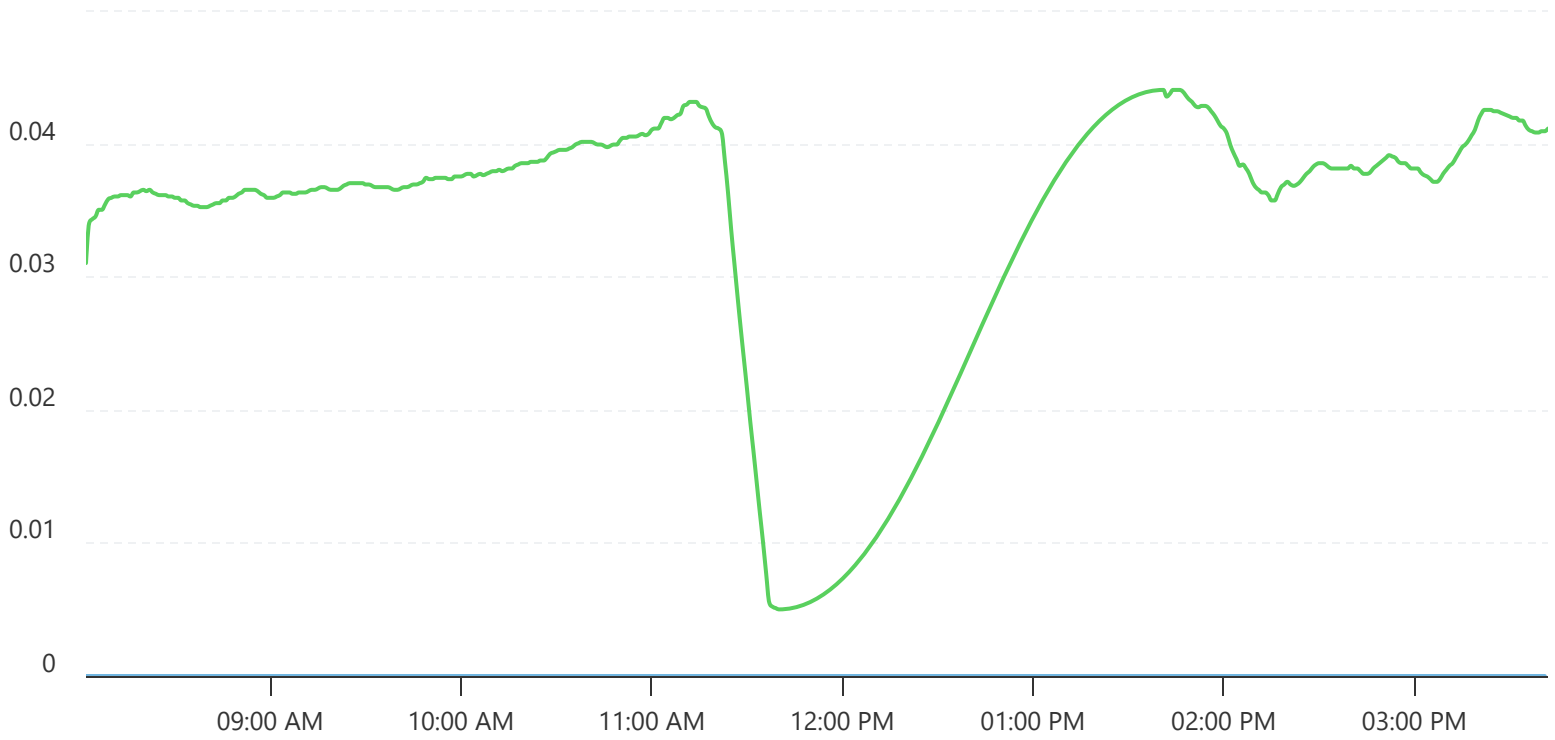
APPENDIX 6:
AIR MONITORING DATA

Labella Buff #1 (FA06287)

2B536575

07/10/2025 07:50 - 07/10/2025 16:10

(GMT-05:00) Eastern Time (US & Canada)



Avg(VOC, ppm, 15m)

MIN **0** AVG **0** MAX **0**

Avg(Mass Conc. Total, mg/m^3, 15m)

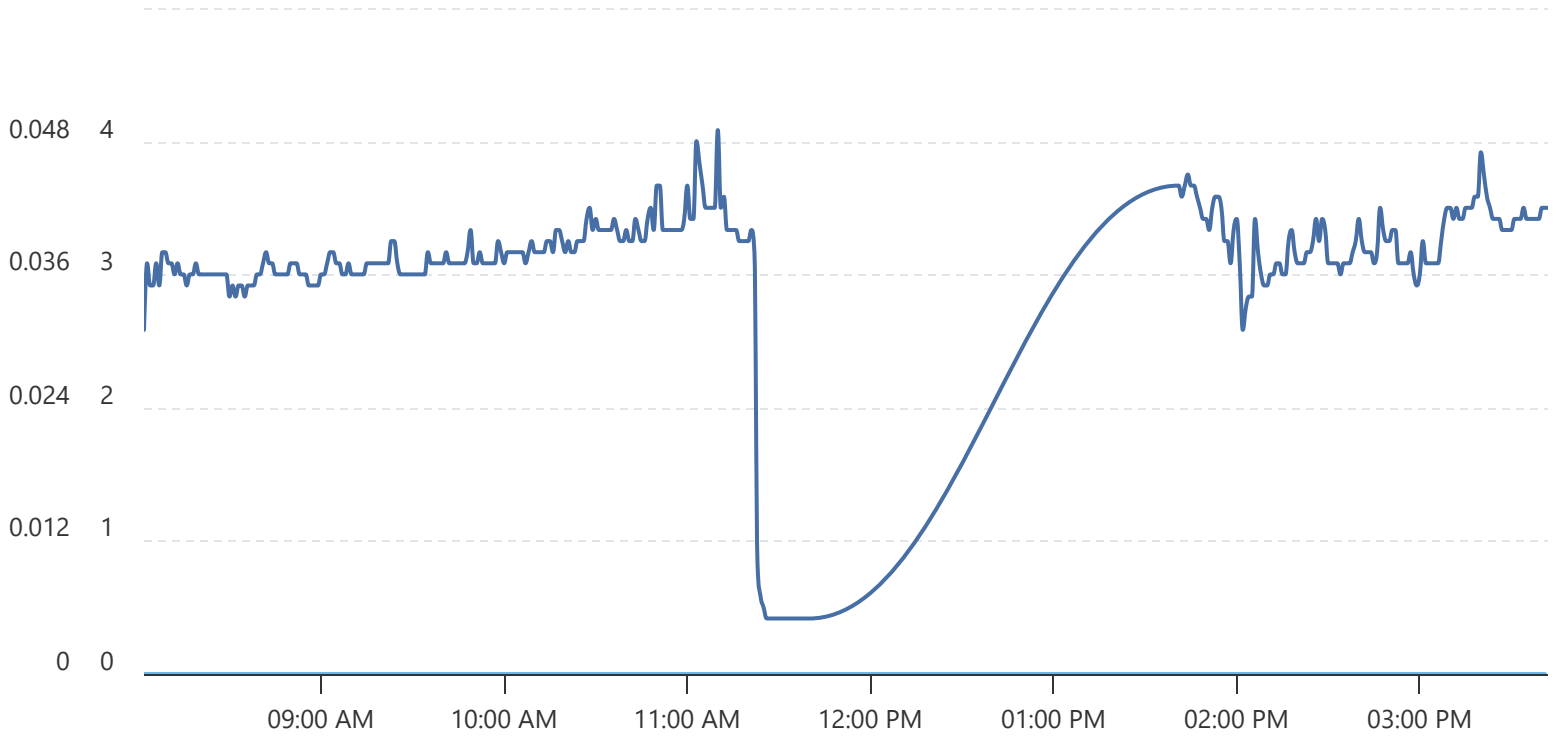
MIN **0.005** AVG **0.037** MAX **0.044**

Labella Buff #1 (FA06287)

2B536575

07/10/2025 07:50 - 07/10/2025 16:00

(GMT-05:00) Eastern Time (US & Canada)



Avg(VOC, ppm, 15m)

MIN **0** AVG **0** MAX **0**

Mass Conc. Total, mg/m^3

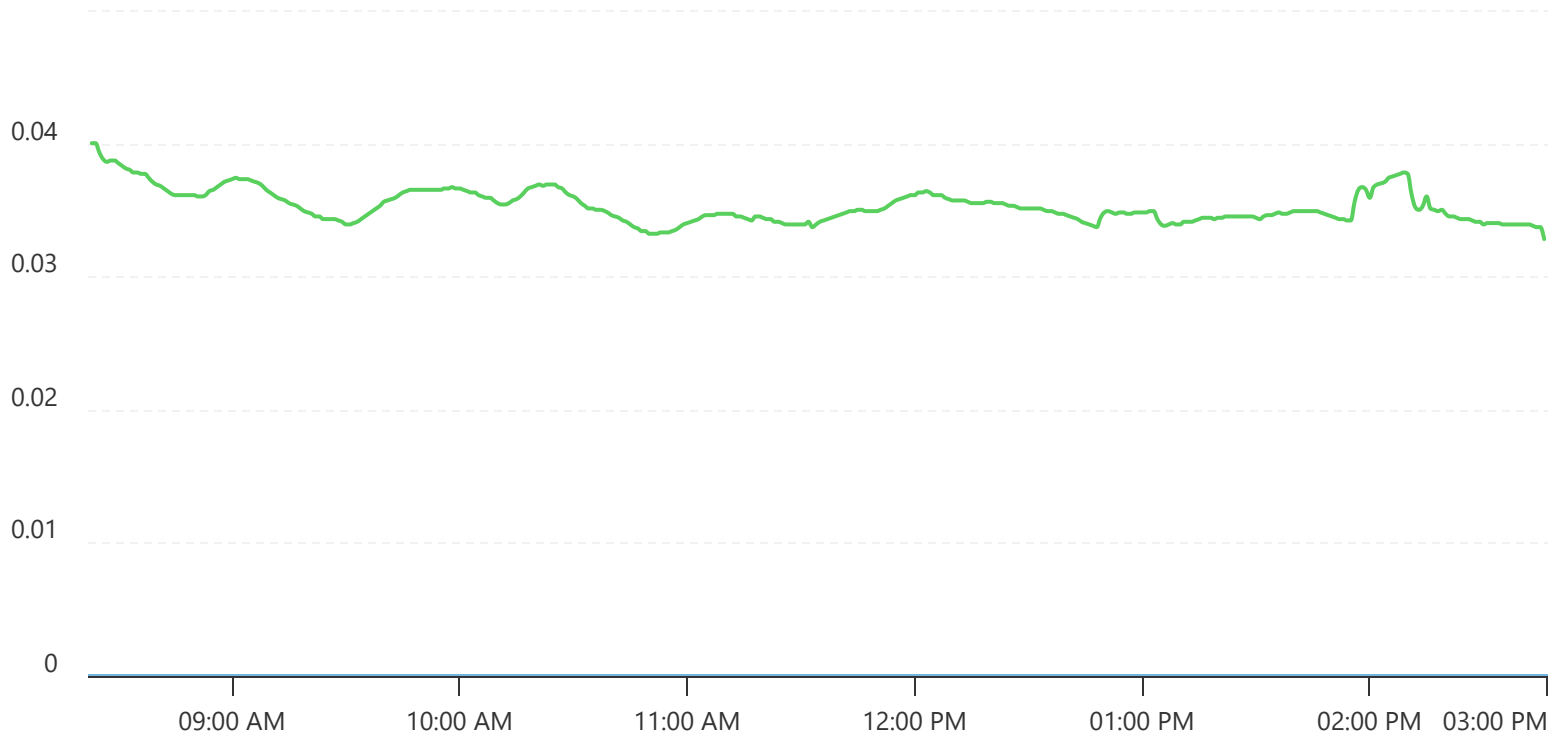
MIN **0.005** AVG **0.037** MAX **0.049**

Labella Buff #1 (FA06287)

2B536575

07/11/2025 08:00 - 07/13/2025 16:30

(GMT-05:00) Eastern Time (US & Canada)



Avg(VOC, ppm, 15m)

MIN **0** AVG **0** MAX **0**

Avg(Mass Conc. Total, mg/m^3, 15m)

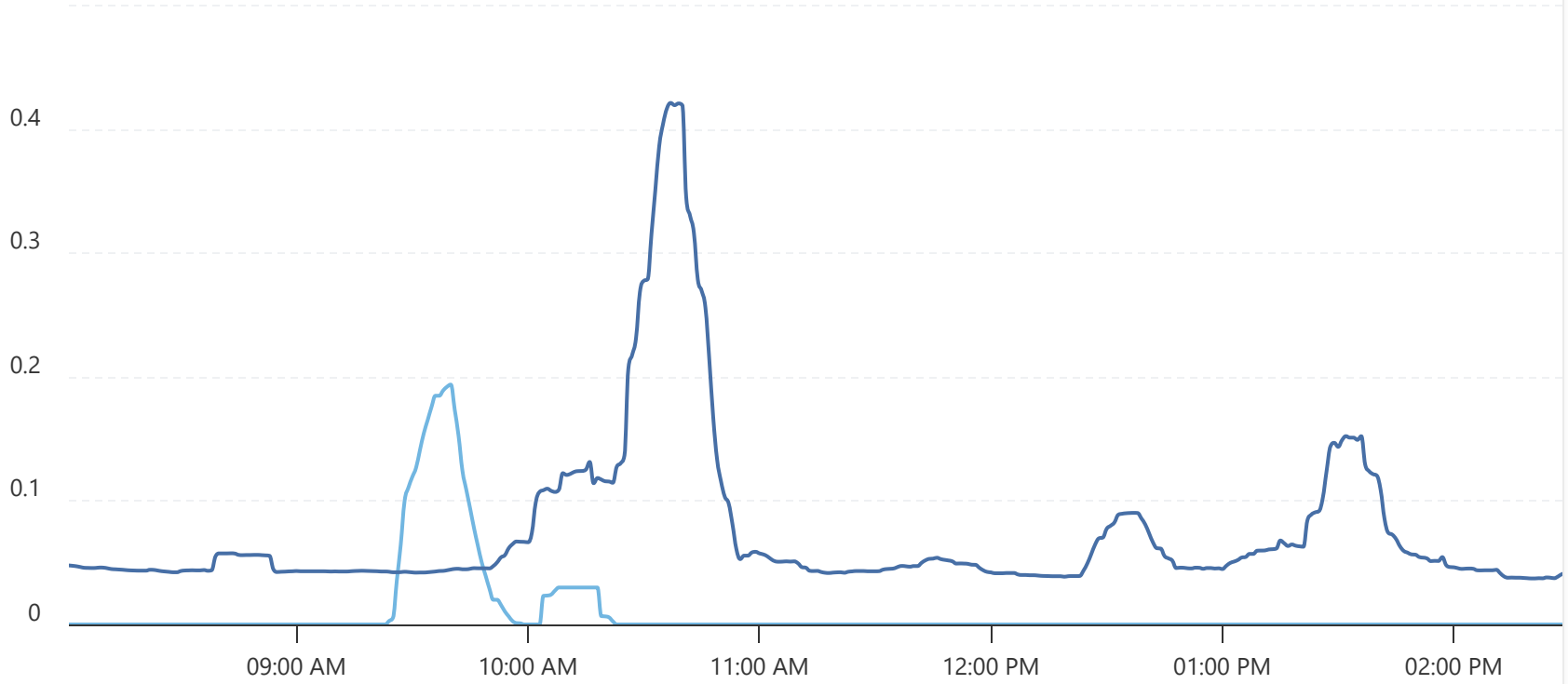
MIN **0.033** AVG **0.035** MAX **0.04**

Labella Buff #2 (FA05623)

2B230192

07/11/2025 08:00 - 07/13/2025 16:30

(GMT-05:00) Eastern Time (US & Canada)



Avg(VOC, ppm, 15m)

MIN **0** AVG **0.007** MAX **0.194**

Avg(Mass Conc. Total, mg/m^3, 15m)

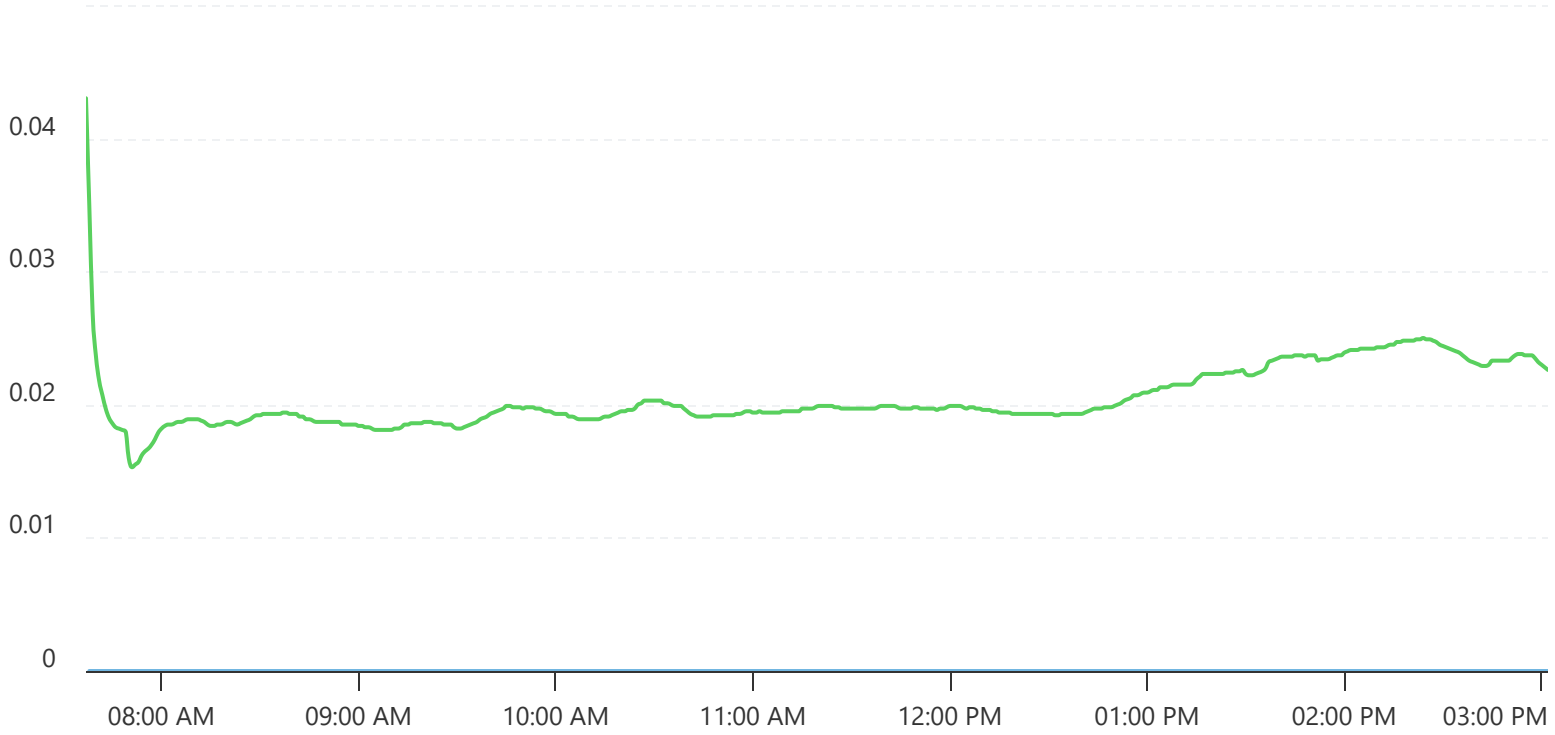
MIN **0.034** AVG **0.071** MAX **0.421**

Labella Buff #1 (FA06287)

2B536575

07/14/2025 07:30 - 07/14/2025 16:00

(GMT-05:00) Eastern Time (US & Canada)



Avg(VOC, ppm, 15m)

MIN **0** AVG **0** MAX **0**

Avg(Mass Conc. Total, mg/m^3, 15m)

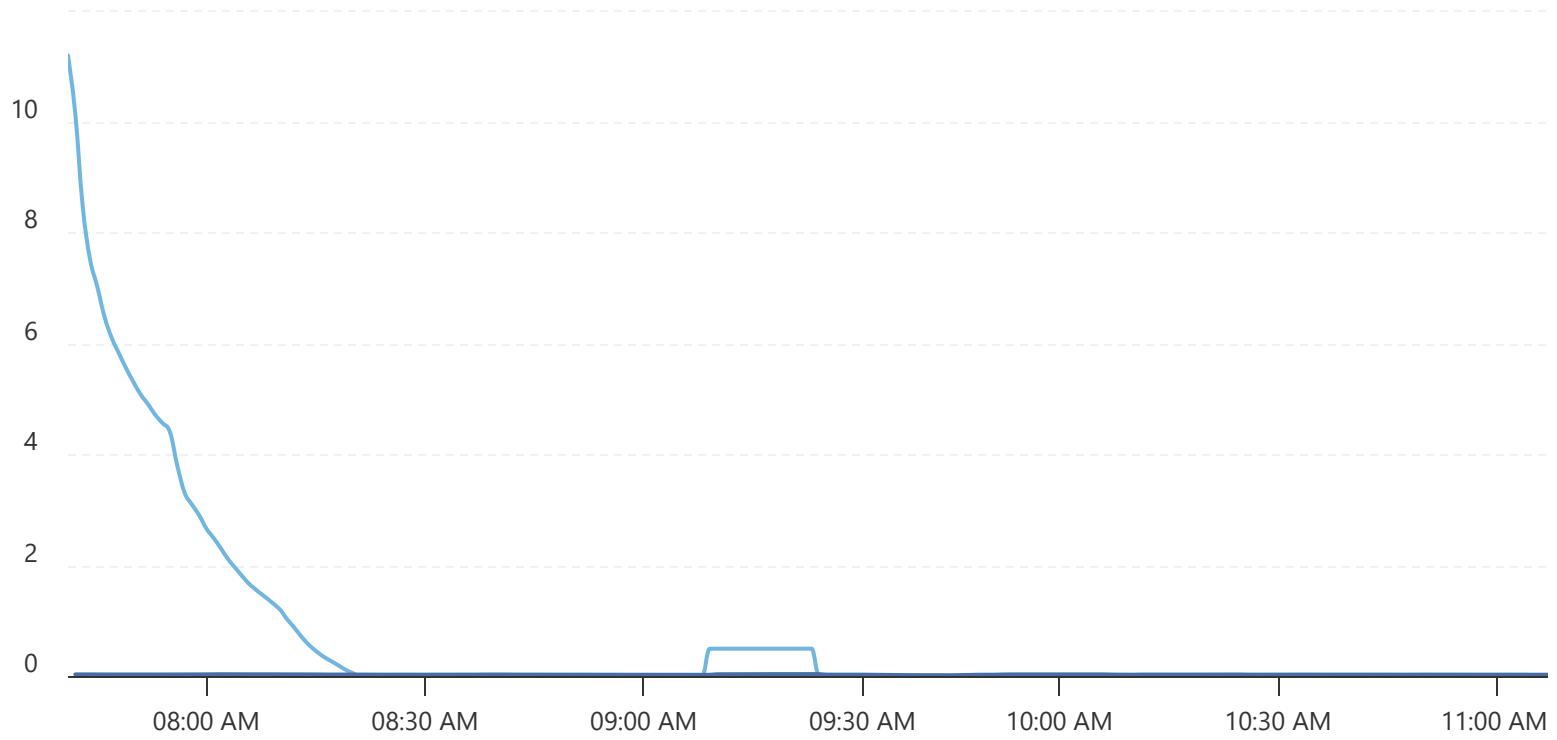
MIN **0.015** AVG **0.02** MAX **0.043**

Labella Buff #2 (FA05623)

2B230192

07/14/2025 07:30 - 07/14/2025 16:00

(GMT-05:00) Eastern Time (US & Canada)



Avg(VOC, ppm, 15m)

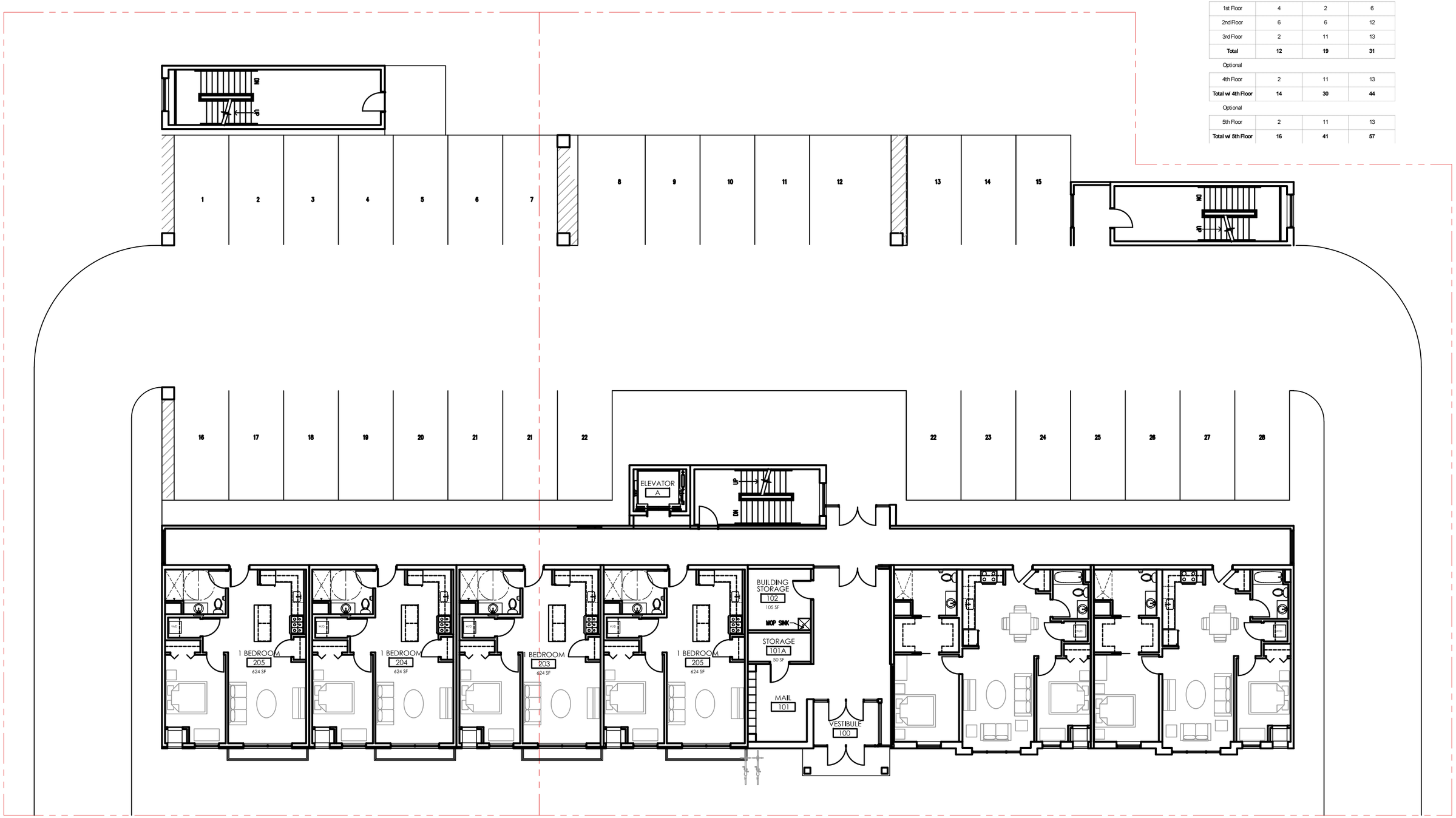
MIN **0** AVG **0.713** MAX **11.184**

Avg(Mass Conc. Total, mg/m^3, 15m)

MIN **0.014** AVG **0.026** MAX **0.034**

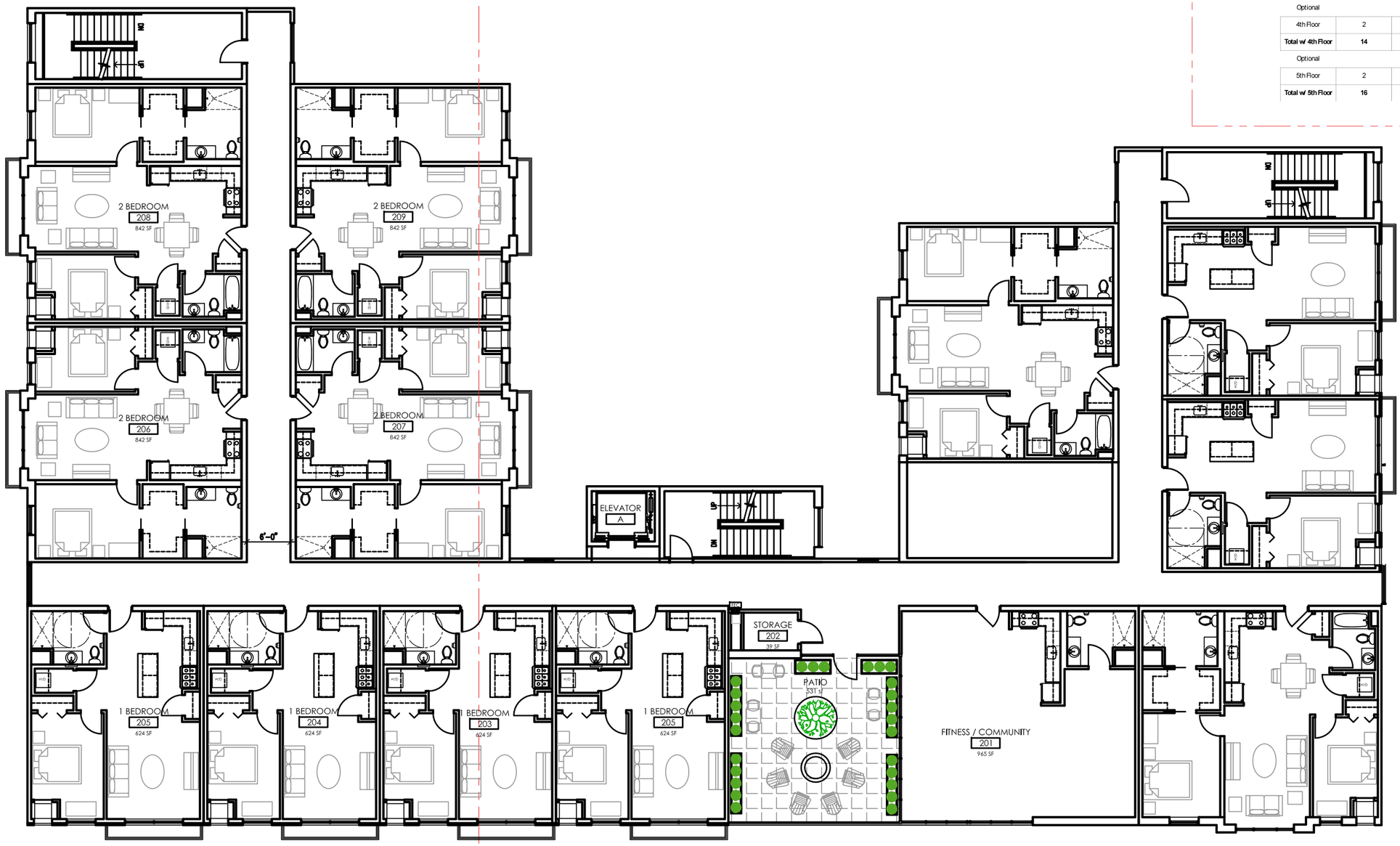
APPENDIX 7:
SITE CONCEPT PLANS

	1 Bedroom	2 Bedroom	Total
1st Floor	4	2	6
2nd Floor	6	6	12
3rd Floor	2	11	13
Total	**12**	**19**	**31**
Optional			
4th Floor	2	11	13
Total w/ 4th Floor	**14**	**30**	**44**
Optional			
5th Floor	2	11	13
Total w/ 5th Floor	**16**	**41**	**57**



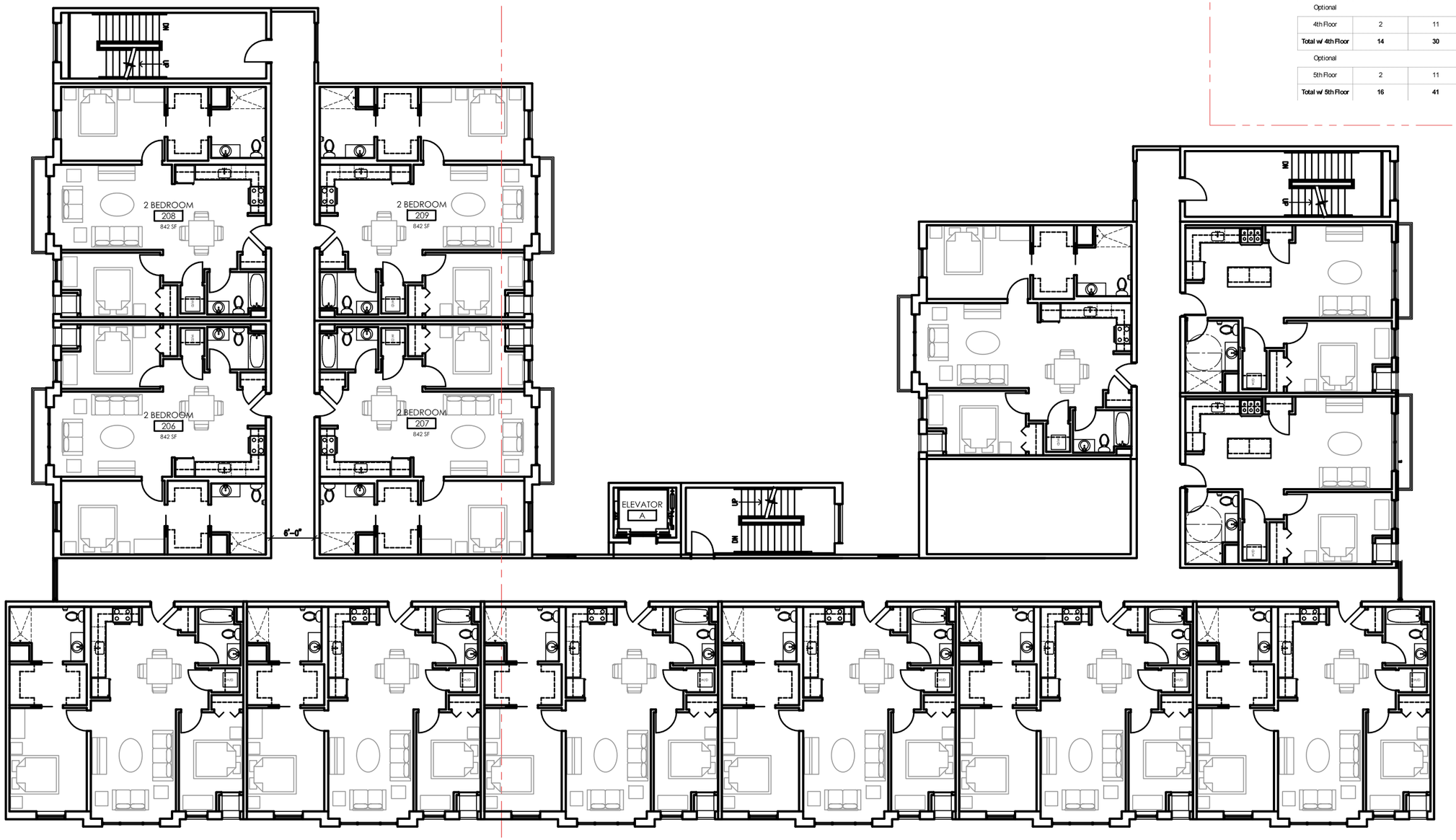
1st Floor

	1 Bedroom	2 Bedroom	Total
1st Floor	4	2	6
2nd Floor	6	6	12
3rd Floor	2	11	13
Total	**12**	**19**	**31**
Optional			
4th Floor	2	11	13
Total w/ 4th Floor	**14**	**30**	**44**
Optional			
5th Floor	2	11	13
Total w/ 5th Floor	**16**	**41**	**57**



2nd Floor

	1 Bedroom	2 Bedroom	Total
1st Floor	4	2	6
2nd Floor	6	6	12
3rd Floor	2	11	13
Total	**12**	**19**	**31**
Optional			
4th Floor	2	11	13
Total w/ 4th Floor	**14**	**30**	**44**
Optional			
5th Floor	2	11	13
Total w/ 5th Floor	**16**	**41**	**57**



Typical - 3rd, 4th and 5th Floor

APPENDIX 8:
TANK INSTALLATION PERMIT

LOCATION 9-21 Lakeview

PERMIT NO. 54487 DATE 9-26-55

OWNER Raymond P. Huff

DESCRIPTION Place, use 1 3000 gal. steel tank for diesel fuel oil storage $1000.

PWB-308

LOCATION 9-17 Lakeview Ave.

PERMIT No. R038155 DATE 10/13/42

OWNER Ray Huff

DESCRIPTION Alter and repair frame barn

"Y AND E" 7098

ADDRESS 9-11 Lakeview Ave.,

OWNER Raymond P. & Leona M. Huff

ADDRESS 9-11 Lakeview Ave.,

CONTRACTOR Same

ADDRESS "

APPLICATION

DATE 12/1/61 19 NO. 87h02

Rep & Alt. 1 sty. Conc.Blk. Bldg.-Truck Term'l. Repair new doors & new windows.

PLAN FILE NO. $300.00

PERMIT No. A 18782

LOCATION 9-17 Lakeview Ave. DATE 6/28/77

OWNER Charles F. Schaus

ADDRESS 101 Norwalk Ave.

\- Plans Filed

CONTRACTOR Erect & use 1 sty. block bldg. Used for

DESCRIPTION OF WORK Auto Repair Apvd. 6/23/76 Cond. #9 a Solid 10' high fence be erected on the sides & rr lot lines All Vehicles to be parked in the

CONDITIONS fenced area the appval of this appeal is only to Mr. DeCeco while he owns & lives on the premises All rep. work to be conducted inside

VALUE to be determined FEE $35.00

the bldg. prop. should always be well maintained.

APPLICATION # 146019 PLAN FILE # MF

BUILDING PERMIT # B 08879

LOCATION 9 and 11 Lakeview

PERMIT NO. 66669 DATE Aug 22, 1921

OWNER H. A. Huff

DESCRIPTION 1 str. fr. shed

YAWMAN & ERBE MFG. CO., ROCHESTER AND BUFFALO ~1505~

LOCATION 9-11 Lakeview Ave.,

PERMIT NO. 10655 DATE 1/17/62

OWNER Ralph J. Perfetto

DESCRIPTION

PWB-308