Environmental Advantage

Environmental Advantage, Inc. 3636 N. Buffalo Road Orchard Park, New York 14127
Industrial Compliance, Hazardous Materials Management, Site Assessment/Remediation

February 18, 2025

Megan Kuczka, DER Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
700 Delaware Avenue
Buffalo, New York 14209

Re: **Periodic Review Report – April 2023 – 2024 Revised; DEC Site #C915314**
MOD-PAC Site, 1801 Elmwood Avenue, Buffalo, New York

Dear Ms. Kuczka:

In accordance with Section 7.2 Periodic Review Report of the Site Management Plan (NYSDEC Site Number: C915314) and NYSDEC's March 12, 2024 letter to Mr. Daniel Keane, President of MOD-PAC CORP., regarding the preparation and submittal of a Site Management Periodic Review Report and IC/EC Certification, please find attached the Revised 2023-2024 Periodic Review Report with appropriate certifications.

If you have comments or questions regarding the contents of these documents, please contact me directly.

Very truly yours,
ENVIRONMENTAL ADVANTAGE, INC.

C. Mark Hanna, CHMM
President

Attachments

cc: D. Keane (MPC)
N. Kane (MPC)
R. Reeder (Nardin Academy)

01304/2023-2024 PRR

Periodic Review Report – 2024

For

April 24, 2023 – April 24, 2024 Reporting Period

MOD-PAC CORP.
1801 Elmwood Avenue
Buffalo, New York 14207

NYSDEC BCP Site Number: C915314

Prepared by:
Environmental Advantage, Inc.
3636 North Buffalo Road
Orchard Park, New York 14127
(716) 667-3130

September 11, 2024
Revised February 18, 2025

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TABLE OF CONTENTS

Attachments

Appendices

Figures

Tables

Certifications

For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:

- The inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, in accordance with DER[1];
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control;
- Access to the Site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- Use of the site is compliant with the environmental easement;
- The engineering control systems in SSDS Area A and Area B are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program and generally accepted engineering practices;
- No new information has come to the remedial party (site owners) attention, including groundwater monitoring data from wells located at the Site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of off-Site contamination are no longer valid; and
- The information presented in this report is accurate and complete.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class “A” misdemeanor, pursuant to Section 210.45 of the Penal Law. I, C. Mark Hanna, CHMM, President of Environmental Advantage, Inc., 3636 N. Buffalo Road, Orchard Park, NY 14127, am certifying as Owner’s/Remedial Party’s Designated Site Representative.

0696		9/11/2024
CHMM Certification #	Signature	Date

[1] “DER-10/Technical Guidance for Site Investigation and Remediation” prepared by New York State Department of Environmental Conservation (NYSDEC), dated May 3, 2020

1.0 SITE OVERVIEW

1.1 Background

MOD-PAC CORP., (MPC) entered into a Brownfield Cleanup Agreement (BCA)[2], with the New York State Department of Environmental Conservation (NYSDEC) on June 17, 2017 to investigate and remediate a 19.727-acre property located in Buffalo, New York. The site, which is occupied by MOD-PAC CORP., and the Kevin T. Keane Sports Park, is located at 1801 Elmwood Avenue, City of Buffalo, Erie County, New York (hereinafter the "Site"). The Site location and boundaries are provided in Figure 1, located in Appendix A. The Site was remediated to commercial use.

The Site consists of an approximate 500,000-square foot manufacturing facility, an approximate 200,000-square foot outdoor athletic complex including synthetic turf playing fields, dugouts, locker rooms, and a restroom facility located within the southern third of the Site; and miscellaneous parking areas throughout. The Site is zoned D-IL – Light Industrial and the neighborhood surrounding the Site primarily includes commercial and residential properties.

1.2 Site History

The entire Site was originally developed in the early 1900s by American Radiator. The former buildings within the southern portion of the Site were occupied by American Radiator until the 1950s, at which time the buildings were demolished. American Radiator occupied the remaining on-site buildings until the 1970s. Since the 1950s, the Site has been used for various manufacturing purposes, including warehousing and box and product packaging by Armor Box and by the current occupant MPC, which also performs commercial printing. MPC originally occupied a portion of the existing building since the 1950s and has since expanded and currently occupies the entire facility. A railroad spur historically traversed the Site, extending to near the facility's courtyard. From the 1950s through 2020, the southern portion of the Site had remained vacant, unoccupied land with overgrown vegetation and some limited areas used for parking. In early 2020, a soccer field to be used by Nardin Academy was constructed in the southern portion of the Site and is currently utilized as such. In 2020, the soccer field was transferred by deed to Nardin Community Athletic Complex, LLC.

Hazard Evaluations Inc. (HEI), in association with Wittman GeoSciences, PLLC (WGS), completed remedial investigation (RI) activities in accordance with the NYSDEC-approved RI Work Plan, dated August 18, 2017[3]. Interim remedial measure (IRM) activities were completed based upon the findings in the RI and in accordance with the NYSDEC-approved IRM Work Plan for Hot Spot Removal, dated March 11, 2019[4].

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[2] Brownfield Cleanup Agreement Index No. C915314-06-17

[3] "Remedial Investigation Work Plan, Brownfields Cleanup Program for MOD-PAC CORP. Site, 1801 Elmwood Avenue, City of Buffalo, New York, 14207, BCP # C915314", prepared by Hazard Evaluations, Inc., dated August 2017.

[4] "Interim Remedial Measure Work Plan for Hot Spot Removal, Brownfields Cleanup Program for MOD-PAC CORP. Site, 1801 Elmwood Avenue, City of Buffalo, New York, 14207, BCP # C915314", prepared by Hazard Evaluations, Inc. and Whittman GeoSciences, PLLC, dated March 2019.

Initial IRM activities included the excavation of soil impacted by hazardous substances per 6 NYCRR Part 375, including metals (specifically arsenic, lead, cadmium, and copper) from five "hot spot" areas, one in the courtyard area and four in the southern portion of the Site. A second IRM was completed within the area of monitoring well MW-3, which exhibited metals impacts to soil in one sample and chlorinated volatile organic compounds (cVOCs) impacts to groundwater. The second IRM also included a pilot study to evaluate the efficacy of in-situ chemical oxidation (ISCO) with potassium permanganate and the permeability of the Site soil/fill. The resulting full-scale ISCO treatment included the injection of 8,230 pounds of potassium permanganate into 56 locations over a 13,000 square foot treatment area.

Remaining contamination was limited to semi-volatile organic compound (SVOC) and metals impacted soil/fill across the Site and cVOC impacts to groundwater in the area of monitoring well MW-3. Soil containing historical fill is present across much of the Site, which covers approximately 20 acres. Historical fill in the southern portion of the Site, which within the playing field area was graded to an elevation approximately three feet above the former grade, extends from the bottom of the cover system to typical average depths of approximately 2-16 feet below former ground surface (bgs). The distribution of historical fill within the southern portion of the site outside the playing field area covers a similar depth interval. The cover system consists of a minimum of one foot of stone, asphalt pavement, concrete-covered sidewalks, concrete building slabs, and artificial turf. The underlying native soil does not contain contaminants at concentrations that exceed Unrestricted Use Soil Cleanup Objectives (UUSCOs); however, contaminated fill exceeding Commercial Use SCOs (CUSCOs) for SVOCs and metals remains on-site in highly developed areas and beneath the cover system.

Sub-slab depressurization (SSD) systems were installed in three areas inside different buildings in the general vicinity of MW-3 to mitigate the migration of volatile organic compound (VOC) vapors into the building from the soil and/or groundwater. Areas with remaining contamination are monitored and maintained with a cover system as described in Section 3.3.1 of the Site Management Plan (SMP)[5]. A Certificate of Completion (COC) was issued for the Site on December 24, 2019. Monitoring well locations and SSDS locations are identified in Figure 2.

1.3 Description of Selected Remedy

The Site was remediated in accordance with the remedy selected by the NYSDEC in its Site Decision Document (DD).[6] The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the selected remedy:

- Construction and maintenance of a cover system consisting of asphalt, concrete, and artificial turf to prevent human exposure to remaining contaminated soil/fill remaining at the Site;

[5] "Site Management Plan for MOD-PAC Site, 1801 Elmwood Avenue, City of Buffalo, Erie County, New York, Site No. C915314" prepared by C&S Engineers, Inc. dated December 2019, revised March 2022 by Environmental Advantage, Inc.
[6] "Decision Document, Mod-Pac Corp., Brownfield Cleanup Program, Buffalo, Erie County, Site No: C915314, July 2019" prepared by NYSDEC, dated July 25, 2019.

- In-situ chemical oxidation (ISCO) to treat chlorinated volatile organic compounds (cVOCs) in on-site groundwater;
- Installation of a sub-slab depressurization (SSD) systems in three on-Site buildings to prevent potential soil vapor intrusion into indoor air until such time as groundwater impacts have been remediated to where it would be appropriate to turn the systems off;
- Execution and recording of an Environmental Easement (EE) to restrict land use and prevent future exposure to any contamination remaining at the Site;
- Development and implementation of a SMP for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) institutional and engineering controls, (2) monitoring, (3) operation and maintenance and (4) reporting; and
- Periodic certification of the institutional and engineering controls listed above.

2.0 PROGRAM METHODOLOGY

2.1 Description of Institutional and Engineering Controls

Since remaining contamination exists at the Site, Institutional Controls (ICs) and Engineering Controls (ECs) are detailed in the EE for the Site and SMP. ICs and ECs for the Site are required to protect human health and the environment. These ICs/ECs are put in place to ensure that the remediation goals are achieved and maintained throughout time. Each control is routinely monitored in accordance with procedures set forth in the SMP for the Site. The following is a list of ICs and ECs as outlined in the NYSDEC approved SMP as reported in the Final Engineering Report (FER)[7]. The completed Institutional and Engineering Controls Certification Form for the 2023 – 2024 reporting period is provided Appendix B.

2.1.1 Institutional Controls

- The property may be used for: commercial use;
- All ECs must be operated and maintained as specified in the SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to Site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;

[7] "Final Engineering Report for MOD-PAC Corporation, NYSDEC Site Number: C915314", prepared by C&S Engineers, Inc., November 2019.

- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP;
- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 6 (of the SMP), and any potential impacts that are identified must be monitored or mitigated; and
- Vegetable gardens and farming on the Site are prohibited.

2.1.2 Engineering Controls

- Cover System: exposure to remaining contamination at the Site is prevented by the cover system placed over the Site as described in Section 1.2 above and presented in Figure 6 of the SMP. An Excavation Work Plan (EWP) attached to the SMP outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed, and any underlying remaining contamination is disturbed. Any work completed pursuant to the EWP must also be conducted in accordance with the procedures defined in the Health and Safety Plan (HASP) and associated Community Air Monitoring Plan (CAMP) attached to the SMP as revised.
- Three (3) Sub-Slab Depressurization (SSD) systems were installed in the finished product storage area (Area A), roll storage area (formerly the cold storage garage - Area B), and maintenance area (Area C) of the facility to prevent exposure to indoor soil vapors. The three SSD systems were fully operational on October 25, 2019. The SSD system objectives and performance goals include the following elements:
  - Designed to maintain an adequate negative pressure beneath the sub-slab;
  - Vacuum gauges installed on the vertical risers to monitor pressure and system status;
  - Approximately 20 suction points in total penetrate the soil under the slab on grade; and
  - Suction points are connected to risers that discharge air vertically to a centralized pipe then horizontally over to the exterior of the building by way of a continuously operating forced air blower mounted outside the building.

  Procedures for operating and maintaining the SSD systems are documented in the Operation and Maintenance Plan provided within Section 5.0 of the SMP.

2.1.3 Criteria for Completion of Remediation / Termination of Remedial Status

Once monitoring results indicate that the remedy has achieved the remedial action objectives identified within the NYSDEC decision document, this generally will mean that the remedial process is considered complete. However, the following should be noted:

- The cover system is a permanent control, and the quality and integrity of this system should be inspected at defined, regular intervals in accordance with the SMP.

- The SSD systems will not be discontinued unless prior written approval from NYSDEC and NYSDOH is granted.
- After the completion of two groundwater monitoring events, if 50% reduction of trichloroethylene (TCE) concentration in the groundwater is not reached, then additional sampling will be necessary until that occurs and will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level not acceptable to the NYSDEC, additional source, removal, treatment, and/or control measures will be evaluated.

2.2 Monitoring and Sampling Requirements

The Monitoring and Sampling Plan, Section 4.0 of the SMP, describes the monitoring and sampling requirements for evaluating the overall performance and effectiveness of the selected remedy. These monitoring and sampling requirements may only be revised with the approval of the NYSDEC. The monitoring and sampling requirements as stated in the SMP include the following:

- Site-wide cover inspection is performed at a minimum of once per year.
- Monitoring of the three (3) SSD systems including the following:
  - Pre- and post-carbon air sampling from Area A for three monthly events following installation, followed by a reduced frequency thereafter. This air sampling is currently collected on a quarterly basis to evaluate the effectiveness of the vapor phase carbon and to determine if replacement is needed.
  - Operation and maintenance (O&M) system checks completed on a weekly basis for the first month of systems operation (September through October 2019), monthly for the following two months (November and December 2019), and quarterly thereafter (beginning January 2020). Routine O&M monitoring includes the identification and repair of any leaks, operational status checks of blowers and fans, documentation of manifold settings and vacuum point at each vapor extraction point, and documentation of vacuum at each monitoring point.
  - Visual inspection of the complete system conducted during each monitoring event. SSD system components are to be monitored including, but not limited to, vacuum blower and general system piping.
  - One indoor air sampling event within six months following the installation of the three (3) SSD systems to assess their effectiveness. This was completed in February 2020, with results detailed in the previous 2019 – 2021 Periodic Review Report (PRR)[8].
- At least two annual groundwater monitoring events, at four existing monitoring wells (MW-3, MW-11, MW-12, and MW-13), for VOCs using United States Environmental Protection Agency (USEPA) Method 8260 Target Compound List (TCL). If TCE concentration within the groundwater is not reduced by at least 50% after these two monitoring events, then additional sampling will be necessary until that occurs.

[8] "Periodic Review Report – June 2021, Revised; DEC Site #C915314, MOD-PAC Site, 1801 Elmwood Avenue, Buffalo, New York", prepared by Environmental Advantage, Inc., dated July 29, 2021.

In addition to the monitoring and sampling requirements listed in Section 4.0 of the SMP, the following additional monitoring is completed on a voluntary basis at the MPC Site.

- Monthly operation and maintenance (O&M) visits to ensure all SSD systems are running and to collect pre- and post-carbon photoionization detector (PID) readings from Area A, as well as from Areas B and C effluent was initiated in March 2020.
- Monthly collection of vacuum readings for any vapor monitoring point (VMP) which did not achieve the minimum 0.002 inches water column (WC) until the affected VMP('s) come back into compliance. This does not apply to known dead point VMP-6A[9] described below.
- Voluntary quarterly groundwater sampling was initiated in April 2021 for the four monitoring wells subject to the remedial program – MW-3, MW-11, MW-12, and MW-13 for TCL VOCs via USEPA Method 8260.
- Voluntary monthly water level monitoring was initiated in April 2021 and continued through August 2023 for the four monitoring wells subject to the remedial program, MW-3, MW-11, MW-12, and MW-13, as well as monitoring wells MW-14 and MW-15, located within the vicinity of the SSD systems (contaminant monitoring in these two wells is not part of the remedial program as detailed in the SMP). In August 2023, monthly water level monitoring was discontinued and quarterly ground water level monitoring was initiated in concert with the voluntary quarterly groundwater sampling.

In accordance with the Department's August 23, 2023 Periodic Review Response Letter[10], the following additional monitoring requirements were completed during the 2023-2024 reporting period at the MPC Site due to the installation of the new blower in August 2023:

- An indoor air sampling event was completed in December 2023 and repeated in February 2024 in SSDS Area C to assess the effectiveness of the newly installed blower in SSDS Area C.

In the previous 2022-2023 monitoring period and as detailed in the Department's September 7, 2022 Periodic Review Response Letter[11], an indoor air sampling event was completed in in SSDS Area A and Area B to assess the effectiveness of the SSDS systems in these areas in the vicinity of VMPs that periodically fail to meet the minimum vacuum of at least 0.002 in WC.

2.3 SSD Systems Sampling and Operation and Maintenance

The SSD systems at the Site were installed to mitigate potential vapor migration into the facility by maintaining a negative pressure of at least 0.002 in WC in the sub-slab of three target areas; Area A the finished product storage area, Area B the roll storage area (formerly

[9] **Please Note:** VMP-6A had not been monitored from June 2020 through the December 2021 monitoring event because this VMP has been verified as a "dead point" due to subsurface features as described in Section 5.1 – 'Area A Testing' of METI's "Sub-Slab Depressurization System Start-up Report and Operation and Maintenance Plan", dated December 12, 2019, and provided within Appendix H – Operation and Maintenance Manual of the SMP. In February 2022, the Department requested resuming monitoring of VMP-6A.

[10] "Site Management (SM) – Periodic Review Report (PRR) Response Letter, MOD-PAC CORP., Buffalo, Erie County, Site No.: C915314", Issued by Megan Kuczka (NYSDEC), issued on August 23, 2023.

[11] "Site Management (SM) – Periodic Review Report (PRR) Response Letter, MOD-PAC CORP., Buffalo, Erie County, Site No.: C915314", Issued by Megan Kuczka (NYSDEC), issued on September 7, 2022.

the cold storage garage), and Area C the facility maintenance area, as shown in Figures 3A, 3B, and 3C provided in Appendix A. These locations were selected based on elevated sub-slab vapor and/or indoor air sampling results detected during remedial investigations completed in December 2017, April 2018, and May 2018. The SSD systems were installed during September 2019, and all systems were operational and tested by October 25, 2019. Post-installation maintenance, inspection, and monitoring were completed in accordance with the NYSDEC-approved Work Plan prepared by Matrix Environmental Technologies, Inc. (METI)[12].

In February 2020, soil vapor intrusion samples were collected at six indoor air locations and one outdoor location over an 8-hour period to assess the efficacy of the SSD Systems. Air analytical data were compared to the background levels listed in New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York[13], including "Table 3.1: Air guideline values derived by the NYSDOH" and "Table C2 USEPA 2001: Building assessment and survey evaluation (BASE) database, SUMMA canister method." The results of this sampling indicated the SSD Systems were effectively mitigating vapor intrusion into the building as detailed in the 2019 – 2021 PRR.

During the current 2023 – 2024 monitoring period, quarterly pre- and post-carbon samples were collected from Area A. Following collection, the samples were submitted for analysis of VOCs via USEPA Method TO-15 following all appropriate sample handling and chain-of-custody procedures. Because the pre- and post-carbon sampling points represent a conglomerate of multiple vapor extraction points, no guideline or guidance values were appropriate for the comparison of this data. Pre- and post-carbon data are collected to assess the effectiveness of carbon in removing contaminants, and to evaluate the decrease in cVOCs over time. Historical pre- and post-carbon sampling analytical data from system start-up are presented in Table 1 located in Appendix C and are discussed in Section 3.0 below. Full laboratory analytical reports are provided in Appendix D.

Monthly O&M visits were conducted throughout the reporting period as mentioned in Section 2.2 above, with follow up collection of vacuum readings for specific VMP's conducted on a monthly basis, when applicable. Significant non-routine maintenance operations and the Annual SSD Systems inspection were performed by METI, the engineering firm responsible for the design and installation of the SSD systems on-Site. A summary of the work completed by METI is provided in METI's Sub-Slab Depressurization Systems 2024 Periodic Review Report (SSDS 2024 PRR) included as Attachment 1, and discussed in Section 3.0 below. Monthly and quarterly Site inspection O&M sheets are included in Appendix E.

In August 2023, the EW-1C and EW-2C fans were replaced with a single 1.5 HP regenerative blower in Area C. As detailed in previous PRR's for the MPC facility, multiple attempts have been made to prevent groundwater from entering the piping network of the

[12] "Work Plan for Sub-Slab Depressurization Systems" prepared by Matrix Environmental Technologies, Inc., dated February 2019.
[13] "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" prepared by NYSDOH, dated October 2006, updated September 2013 & August 2015

SSD system in Area C and damaging the RadonAway fans. As a result of continued fan malfunction, METI recommended that the EW-1C and EW-2C fans be replaced with a 1.5 HP blower as described in the previous 2022-2023 PRR[14] and approved by the Department in the August 2023 PRR Response Letter.

To assess the efficacy of the SSD System and new blower in Area C, soil vapor intrusion samples were collected in laboratory-supplied Summa Canisters in December 2023 and February 2024 at one indoor air and one outdoor location over an 8-hour period. Samples were placed inside the building in Area C in a centralized area and outside adjacent to the maintenance building. The samples were submitted for analysis of VOCs via USEPA Air Method TO-15 following all appropriate sample handling and chain-of-custody procedures. Air analytical data was compared to the background levels listed in NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York[13], including "Table 3.1: Air guideline values derived by the NYSDOH" and "Table C2 USEPA 2001: BASE database." Additionally, results were compared to the NYSDOH Soil Vapor/Indoor Air Decision Matrices maximum allowable Indoor air concentrations for "No Further Action". When performing verification sampling, the maximum allowable Indoor air concentrations for "No Further Action" are used as a guideline since sub-slab vapor concentrations have previously been identified. A summary of the detected indoor concentrations compared to all three NYSDOH criterions is included in Table 2. Air sample locations are presented on Figure 4.

In March 2023 during the previous 2022-2023 reporting period, soil vapor intrusion samples were collected in SSDS Area A and SSDS Area B at three indoor air locations and one outdoor location over an 8-hour period to assess the efficacy of those SSD Systems in response to select VMPs that periodically fail to meet the minimum vacuum of at least 0.002 in WC. Samples were placed in the vicinity of VMP-7A, VMP-8A, VMP-5B and VMP-6B, as well as VMP-6A, where zero vacuum influence due to sub-surface anomalies was confirmed in 2019[15]. The samples were submitted for analysis of VOCs via USEPA Method TO-15 following all appropriate sample handling and chain-of-custody procedures. A summary of the detected indoor concentrations is included with the December 2023 and February 2024 results and compared to the three NYSDOH criterions listed above in Table 2, with air sample locations included on Figure 4.

2.4 Groundwater Quality Sampling and Water Level Monitoring

As required by the SMP, annual groundwater sampling with QA/QC sample collection and water level monitoring was completed on April 9, 2024. In addition, voluntary quarterly groundwater sampling was completed on July 25, 2023, October 3, 2023, and January 12, 2024. Voluntary monthly water level monitoring was initiated in April 2021 through August 2023 and was discontinued per the August 2023 PRR response letter. In this regard, monthly water level monitoring was completed on May 17, June 20, July 25, and August 17.

[14] "Periodic Review Report – April 2022 – 2023 Revised; DEC Site #C915314, MOD-PAC Site, 1801 Elmwood Avenue, Buffalo, New York", prepared by EA, dated June 12, 2023, revised August 17, 2023.
[15] "Sub-Slab Depressurization System Start-up Report and Operation and Maintenance Plan", prepared by Matrix Environmental Technologies, Inc., dated December 12, 2019, and provided within Appendix H – Operation and Maintenance Manual of the SMP.

Groundwater elevation data are summarized in Table 3, discussed in Section 3.0 below, and well sampling logs are presented in Appendix E.

Groundwater was sampled with water levels measured at each of the following locations to measure the effectiveness of the ISCO treatment:

- MW – 3 which is the highest TCE impacted well on the MPC Site.
- MW – 11 which is inside of the TCE contaminant plume and has historically evidenced moderate TCE impact.
- MW – 12 which is just outside of the TCE contaminant plume and historically has evidenced non-detect levels of cVOCs.
- MW – 13 which is also inside of the TCE contaminant plume and is the second highest impacted well at the MPC Site.

Prior to sample collection, the static groundwater level and total well depth were measured. During well purging activities, field measurements of pH, specific conductivity, temperature, and turbidity were recorded. Once the parameters stabilized, EA collected the groundwater using low flow sampling techniques.

Following collection, the samples were packed in ice and submitted to Alpha Analytical of Westborough, MA (Alpha) for analysis, following all appropriate sample handling and chain-of-custody procedures. Groundwater samples were analyzed for TCL VOCs via USEPA Method 8260. Associated QA/QC samples were collected during each quarterly sampling event, including one field duplicate, one matrix spike (MS), one matrix spike duplicate (MSD), and one trip blank, with data validation being completed for the SMP required annual groundwater sample only. The purge water was discharged on-Site back into each respective monitoring well of origin. Historical groundwater well analytical data is provided in Table 4 and is discussed in Section 3.0 below. Laboratory analytical data reports, including QA/QC sample results are included in Appendix D. Historical TCE concentrations in the selected monitoring wells are included on Figure 5, with Historical Total VOC trends and Historical TCE trends illustrated on Figures 6a and 6b, respectively.

Water level monitoring was also initiated in April 2021 at MW-14 and MW-15 and was completed throughout the entirety of the 2023-2024 reporting period to assess potential ground water level impacts to the performance of the nearby SSD systems. Contaminant monitoring in these two wells is not part of the remedial program as detailed in the SMP.

2.5 Cover Inspection and Maintenance Activities

During the reporting period, routine cover/Site inspections were completed by EA on a quarterly basis in conjunction with the routine O&M visits. During cover/Site inspections, the following areas are assessed: inside of the building interior, the building exterior, and adjacent athletic field complex. These areas are inspected for integrity, excessive debris, litter and waste, the condition of gates and fencing, the integrity of the groundwater monitoring and observation wells, and the integrity of the vapor monitoring points and extraction well trenches. The cover is depicted in Figure 7.

During the routine inspections, no increased damage to the building interior slabs or exterior paved or stone areas was recorded, with the exception of the trench for EW-2B and EW-5B in Area B exhibiting areas of cracking over the SSDS lines which had to be repaired with epoxy materials, and some limited fabric exposure to the east of the turf athletic field after the spring snowmelt. On April 15, 2024, EA and METI performed a site-wide inspection of the interior and exterior cover to ensure its condition and effectiveness. No condition changes to the building interior slabs or exterior paved or stone areas, fencing, access gates, signage, exterior lighting, or athletic complex was observed other than the limited fabric exposure described above. The monitoring and observation wells were also observed to be in good condition, and there was no observation of excessive debris/litter. The overall cover was found to be in generally good condition with no evidence of excessive deterioration. Some pre-existing cracks in the interior building slabs do require repair/re-epoxy from time to time. These cracks are routinely brought to the attention of MPC maintenance personnel, who install materials to seal these cracks to minimize vacuum issues within the SSDS areas. These cracks tend to be minor, and no sub-base or soil is ever exposed. The cover inspection form with photographs taken during the inspection is included in Appendix E.

2.6 Excavation Inspections and Additional Oversight Activities

The EWP attached to the SMP, as revised, outlines the procedures required to be implemented in the event the cover is breached, penetrated, or temporarily removed, and any underlying remaining contamination is disturbed. The following intrusive activities, and/or cover modifications occurred during the current monitoring period. All waste profiling and disposal documentation for all materials leaving the Site as described in the paragraphs below are presented in Appendix F. Figure 8 depicts the locations of all intrusive work completed during the current reporting period.

July 2023 Sheeter Excavation – Lehigh Construction performed concrete and limited soil/fill removal on the interior of the MPC facility to support the installation of new Sheeter Machine. CAMP monitoring was completed for the duration of the project except for the initial saw cutting before concrete was removed. To reduce the potential for concrete dust exposure of the surrounding workers, as well as the potential for fugitive dust to impact MPC's printing operations, Lehigh Construction installed poly sheeting around the entire work area from floor to ceiling and installed a wall to accommodate the new equipment. Only those directly involved in the work were allowed into the work area. The concrete, which exhibited no staining or evidence of contamination, was saw-cut and removed. The removed concrete was placed into roll-off containers for transport to Swift River for recycling. The soil was also placed into lined roll-off containers for eventual transport and disposal at Waste Management's Chaffee Landfill. NYSDEC-approved virgin 2-inch crushed limestone was imported to the site as the new subbase and graded. The area was finished with fresh concrete obtained from a commercial source. Oversite documentation for this event is included in Appendix F1.

July 2023 Jib Crane Excavation – Lehigh Construction performed concrete and limited soil/fill removal on the interior of the of the MPC facility to support the installation of a new Jib Crane. CAMP monitoring was completed for the duration of

the project except for the initial saw cutting before concrete was removed. To reduce the potential for concrete dust exposure of the surrounding workers, as well as the potential for fugitive dust to impact MPC's printing operations, Lehigh Construction installed poly sheeting around the entire work area from floor to ceiling, and only those directly involved in the work were allowed into the work area. The concrete, which exhibited with no staining or evidence of contamination, was saw-cut and removed. This removed concrete was placed into roll-off containers for transport to Swift River for recycling. The soil was also placed into lined roll-off containers for eventual transport and disposal at Waste Management's Chaffee Landfill. The area was finished with fresh concrete obtained from a commercial source, no aggregate material was imported. Oversite documentation for this event is included in Appendix F2.

A characterization sample was collected from the July 2023 Sheeter excavation and submitted to Alpha Analytical to renew pre-existing Waste Management disposal profile 124901NY, which is in place from the original BCP remedial work. Waste profile 124901NY along with the associated laboratory analytical report and renewal documentation is included in Appendix F3.

From July 27, 2023 through August 8, 2023, 91.54 tons of contaminated fill resulting from the installation of a new sheeter and Jib Crane was transported to Waste Management's Chaffee, New York landfill for disposal under MPC's renewed waste profile. A small amount of soil required to be off-loaded from the roll-off containers and transported via part 364 permitted dump trucks in effort to bring the roll-off containers to legal weight for transport. NYSDEC waived CAMP monitoring during this off-loading activity, due to the small amount being removed and limited loading time. The non-hazardous waste manifests and weight tickets for the soil disposed is included in Appendix F3.

September 2023 Trailer Locking Devices – Custom Excavator, a specialty contractor from out of state, performed asphalt, concrete and limited sub-base material removal on the exterior of the MPC facility to support the installation of two Trailer Locking Devices. CAMP monitoring requirements were waived by the NYSDEC due to the small amount of material being removed, limited time excavation would be taking place, and manual method of excavation. Both areas, measured approximately 36" in length by 30" in width by 12" in depth. Hard fill was placed on plywood sheets, with the sub-base materials removed placed in a 55-gallon drum. No soil/fill was encountered. The area was finished with fresh concrete obtained from a commercial source which was poured directly on top/around the Trailor Locking Device, no aggregate material was imported. Hard fill and sub-base material generated were combined with the materials for the October 2023 various projects described below.

October 2023 Pile Flipper, and Bollard Installation – Lehigh Construction performed multiple interior projects consecutively to support the installation of a Pile Flipper/ Pile Turner and protective bollards around a roof support pillar and doorway. CAMP monitoring was completed for the duration of the project except for the initial saw

cutting for the Pile Turner before concrete was removed. To reduce the potential for concrete dust exposure of the surrounding workers, as well as the potential for fugitive dust to impact MPC's printing operations, Lehigh Construction installed poly sheeting around the entire work area from floor to ceiling, and only those directly involved in the work were allowed into the work area. The concrete, which exhibited no staining or evidence of contamination, was saw-cut and removed from the Pile Turner area. . This removed concrete was placed into roll-off containers for transport to Swift River for recycling. The limited soil from the Pile Turner and soil cores from the Bollard installation were also placed into lined roll-off containers for eventual transport and disposal at Waste Management's Chaffee Landfill. The bollards and Pile Flipper were finished with fresh concrete obtained from a commercial source which was poured directly on top/around the soil/fill in the conduit trench and directly around the bollards, no aggregate material was imported. Oversite documentation for this event is included in Appendix F4.

October 2023 Robotic Pallet Stacking Cell, – Lehigh Construction performed concrete saw-cutting on the interior of the of the MPC facility to support the installation of a new Robotic Pallet Stacking Cell. CAMP monitoring was planned after the completion of the initial saw-cutting during concrete removal, however the area once saw-cut collapsed, due to an underground tunnel filled with water being underneath the work area and not the sub-base as had been anticipated. Samples were collected of the water in the tunnel and analyzed for the Buffalo Sewer Authority's Temporary Discharge Permit parameters, however it was determined that a bulkhead would be installed and tunnel filled with flowable fill obtained from a commercial source instead. No concrete was removed as all of the concrete collapsed into the tunnel. The water sample analyzed revealed no analytes above the NYSDEC Class GA criteria; and the majority of the parameters were below laboratory detection limits. Oversite documentation for this event is included in Appendix F5.

November 2023 Exterior Sinkhole Repair and Light Post Installation - American Paving & Excavation (APE) performed an excavation on the exterior of the MPC facility to investigate the cause of a sinkhole that was forming in the employee parking lot on the western side of the facility. CAMP monitoring was completed for the duration of the project. Water accumulating in the excavation from a broken sewer pipe was pumped into 55-gallon drums to be sampled and profiled to a NYSDEC permitted facility for disposal. Once the broken area of the sewer line was discovered, the pipe was repaired the excavated area was backfilled with NYSDEC pre-approved aggregate from a commercial source. The asphalt removed was placed into lined roll-off containers along with the soil/fill for eventual transport and disposal at Waste Management's Chaffee Landfill. The area was finished with fresh asphalt obtained from a commercial source.

During the excavation, a shallow layer of slag was encountered and excavated to the extent necessary to complete the sewer line repair. All materials removed from the excavation were initially segregated into multiple piles based on geological characteristics and stockpiled on 6-mil poly and covered, until a licensed

Decontamination & Decommissioning (D&D) Contractor could inspect the materials. On November 13, 2023, MJW Corporation (MJW) performed a radiological scan and collected samples of the slag-like materials for proper TENORM characterization, as well as released the non-slag containing materials that had been removed from the initial excavation and stockpiled. Most soil/fill material removed was cleared by MJW except for a small pile of slag. The soil/fill and subbase released by MJW was placed into lined roll-off containers for eventual transport and disposal at Waste Management's Chaffee Landfill.

After the initial sink hole repair, another sink hole began forming in the vicinity of the initial location. APE performed an excavation to investigate the cause of the second sinkhole that was forming in the employee parking lot on the western side of the facility along the northern adjacent apartment building. Additionally, a small area in another employee parking lot on the northeastern side of the facility was also excavated to support the installation of a new light pole and utility trench. CAMP monitoring was completed for the duration of the project and MJW was on-site to provide real-time radiological oversight during excavation of both areas. Limited additional slag was encountered in the secondary sink hole; however, no slag was identified on the northeastern side of the facility for the light pole installation. The asphalt removed was placed into lined roll-off containers along with the soil/fill for eventual transport and disposal at Waste Management's Chaffee Landfill. Concrete, which exhibited no evidence of staining or contamination, was removed and placed into roll-off containers for transport to Swift River for recycling. NYSDEC-approved virgin 2-inch crushed limestone was imported to the site as the new subbase and graded. The areas were finished with fresh asphalt obtained from a commercial source. The oversite documentation for these events is included in Appendix F6. The MJW TENORM Investigation Report is included in Appendix G.

From November 29-30, 2023, 51.12 tons of contaminated fill resulting from the installation Trailor Locking Device, Pile Flipper, Bollards, two exterior sink holes, and the light pole and utility trench installation were transported to Waste Management's Chaffee, New York landfill for disposal under MPC's renewed waste profile. A small amount of soil required to be off-loaded from the roll-off containers and transported via part 364 permitted dump trucks in effort to bring the roll-off containers to legal weight for transport. NYSDEC waived CAMP monitoring during this off-loading activity, due to the small amount being removed and limited loading time. The non-hazardous waste manifests and weight tickets for the soil disposed is included in Appendix F7.

A characterization sample was collected from the three drums of groundwater generated from the exterior sink hole project and submitted to Alpha Analytical for the parameters required to profile the material to American Recyclers Company (ARC) located in Tonawanda, New York. On July 10, 2024, outside of the current reporting period, the drums were transported and disposed. The ARC Waste Profile Report and associated analysis along with the non-hazardous waste manifest for the drum disposal is included in Appendix F7.

March 2024 Sink Hole in the Sheeter Department – National Maintenance Contracting Corporation (NMCC) performed a concrete removal to repair a sink hole in the Sheeter department in the interior of the MPC facility. CAMP monitoring was planned after the completion of the initial saw-cutting if concrete and/or soil/fill was removed. The concrete was broken up and allowed to fall into the void causing the sink hole and NYSDEC-approved virgin 2-inch crushed limestone was placed on top and graded. No materials were removed. The area was finished with fresh concrete obtained from a commercial source. Oversite documentation for this event is included in Appendix F8.

CAMP Summary

CAMP monitoring was completed for the duration of all interior and exterior intrusive work, except where waived by the department as noted above. Typically, CAMP monitoring is not completed during initial saw cutting activities before concrete is removed. At times, some limited additional saw cutting is needed during concrete removal activities which can result in the Dust Trac monitors recording elevated readings, this occurred on July 6 and July 10, 2023 during the Sheeter project. One elevated dust reading was also recorded during the October 2023 bollard installation project on October 18, 2023, due to concrete coring associated with the bollard installation. Although engineering controls such as wet cutting, ventilation, enclosing the work space in plastic sheeting and the use of dust control humidity misters in the MPC facility, the Dust Trac monitors are extremely sensitive to concrete dust. Please Note: the concrete at the MPC facility is clean and not contaminated material.

Issues with one of the two PID monitors was noted a few times during intrusive work activities during the reporting period. On July 6 during the Sheeter project the PID failed to record at times and also recorded extremely elevated readings; additionally, data failed to log on July 7 and July 13, 2023. The PID was subsequentially cleaned and calibrated in house. On October 18, 2023 during the Pallet Flipper and Bollard installation project, and on November 6 and November 8, 2023 during the exterior sink hole project, the same PID again failed to log data. The PID was subsequentially sent to a certified repair shop and factory cleaned, calibrated, and repaired, and no issues have been noted since.

2.7 Data Usability Summary

The analytical data from the air samples collected in February 2024 and groundwater samples collected in April 2024 were submitted for independent review, as required by NYSDEC. Vali-Data of WNY, LLC, located in Fulton, New York, completed the data usability summary report (DUSR). The DUSR is provided in Appendix H and was prepared using guidance from the USEPA Region 2 Validation Standard Operating Procedures, USEPA National Functional Guidelines for Data Review, and professional judgement. Air and groundwater samples were collected as described above and evaluated as described below:

Ambient Air Samples February 2024 – Alpha Analytical SDG L2410216 - The results for one indoor air sample, one blind duplicate, and one outdoor air samples were processed for VOCs. In general, the samples were noted to be either usable or with minor qualifications. However, the following items were noted:

- VOCs data are acceptable for use except where qualified in Holding Times and Initial Calibration.
- All Holding Times were met except there was no vacuum in sample OA-1 (022524) upon receipt by the laboratory, therefore all target analytes in this sample should be qualified as estimated.
- Carbon tetrachloride and tetrahydrofuran were detected in IA-4 (022524) DUPLICATE but were not detected in IA-4 (022524).
- All criteria were met in the Initial Calibration except Bromoform was outside QC limits in the Initial Calibration Verification and should be qualified as estimated in the associated samples, blanks and spikes.

Groundwater Sample April 2024 – Alpha Analytical SDG L2419960 - The results for four groundwater samples, one duplicate, one rinsate blank, and one trip blank were processed for TCL VOCs. In general, the samples were noted to be either usable or with minor qualifications. However, the following was noted:

- The VOCs data are acceptable for use except where qualified in MS/MSD, Initial Calibration and Continuing Calibration.
- Sample MW-3 (040924) was diluted due to high target analyte concentrations.
- Benzene was detected in MW-11 (040924) but was not detected in MW-11 (040924) DUPLICATE.
- All criteria were met in the MS/MSD except Bromomethane was outside QC limits in the matrix spikes for sample MW-12 (040623) and should be qualified as estimated.
- All criteria were met in the initial calibration except 1,4-Dioxane, 1,1,2-Trichloroethane, and Carbon disulfide were outside QC limits in the initial calibrations and/or the initial calibration verifications for all samples and should be qualified as estimated.
- All criteria were met in the continuing calibration except 1,4-Dioxane and 1,1,2-Trichloroethane were outside QC limits in the continuing calibrations for all samples and should be qualified as estimated.

2.8 Electronic Data Deliverables

As per NYSDEC, all aforementioned data has been submitted electronically to the NYSDEC EQuIS system. Confirmation emails of successful data submission are provided in Appendix I.

2.9 Waste Disposal

The granular activated carbon (GAC) in the vessel for Area A was last replaced on December 9, 2022. Previous carbon replacement was completed in December 2021 and September 2020, with the system started in October 2019; therefore, the approximate carbon life has consistently been one year over the past three years since system start-up,

and has progressively extended as the system has been in place. The pre- and post-carbon air sample from March 2024 indicated that some breakthrough was starting to occur. The granular activated carbon was replaced outside of the current reporting period on July 18, 2024.

As described in Section 2.6 above, in July – August 2023, 91.54 tons of contaminated fill resulting from the installation of a new sheeter and Jib Crane was transported to Waste Management's Chaffee, New York landfill for disposal under MPC's renewed waste profile. In November 2023 an additional 51.12 tons of contaminated fill resulting from the installation of the Trailor Locking Device, Pile Flipper, Bollard installations, exterior sink hole repair, and utility trench for a parking lot light was transported to Waste Management's Chaffee, New York landfill for disposal. Three drums of groundwater pumped from the exterior sink hole project were transported to American Recyclers Company located in Tonawanda, New York for disposal outside of the current reporting period on July 10, 2024. Slag generated from the November 2023 sink hole repair is currently staged on-site pending NYSDEC determination.

3.0 MONITORING SUMMARY

3.1 SSD Systems Monitoring

As outlined in the revised SMP, post-installation maintenance and monitoring was completed on a quarterly basis throughout the 2023 – 2024 reporting period. Quarterly SSD Systems Monitoring and Sampling Summaries, which summarized the area-specific findings of each SSD system and any corrective measures completed within that quarter, were submitted to the Department on a quarterly basis throughout the monitoring period. A summary of the significant non-routine maintenance operations completed by METI is provided in METI's SSDS 2024 PRR included as Attachment 1. Monthly and quarterly Site inspection O&M sheets are included in Appendix E. The following trends were noted:

Q2 2023 (April-June) Monitoring Event – During the Q2 2023 monitoring period, monthly PID readings were collected on April 6 and May 17 and the quarterly system inspection was completed on June 20. VMP-8A and VMP-7A were monitored in April and May 2023 due to a 0.000 in WC reading in March 2023. The following was noted during the monitoring period:

- As noted in the April 2022-2023 annual PRR, the EW-1C and EW-2C fans were found to be non-functional on January 10, 2023 and were removed.

- EA noted that minor leaks were present in the vapor trench for EW-5B in Area B. EA recommended to the site owner to re-epoxy the cracks in the vapor trench.

- All manometer readings of the VMPs within Area A met the minimum negative pressure of at least 0.002 in WC in the sub-slab except for VMP-8A in April and May and VMP-6A ("dead point"). Pre-carbon PID readings ranged from 0.0 to 0.3 ppm and post-carbon PID readings ranged from 0.0 to 0.1 ppm throughout the monitoring period. Air analytical data from the pre- and post-carbon sample collected identified

NYSDOH target cVOCs[16] exhibited a 94.1% reduction from pre to post carbon, indicating that the carbon is both adequately removing and breaking down the detected cVOCs.

- All manometer readings of the VMPs within Area B met the minimum negative pressure of at least 0.002 in WC in the sub-slab except for VMP-5B during the April, May, and June monitoring events. System effluent PID readings were consistently 0.0 ppm.

- Due to the EW-1C and EW-2C fans being down, manometer readings were not collected in April or May. During the quarterly sampling event in June, all active VMPs influenced by the EW-3C fans met the minimum negative pressure of at least 0.002 in WC in the sub-slab. System effluent PID readings were consistently 0.0 ppm.

Q3 2023 (July-September) Monitoring Event – During the Q3 2023 monitoring period, monthly PID readings were collected on July 5 and August 17 and the quarterly system inspection was completed on September 13. The following was noted during the monitoring period:

- The EW-1C and EW-2C fans were found to be non-functional on January 10, 2023 and were replaced on August 22, 2023 with a 1.5 HP blower as described in Section 2.3. Due to the vacuum being too high and shutting down the system, bleed air valves were installed August 24, 2023. The blower was found down on September 13, 2023 during the Q3 inspection and was restarted the following day by METI. It is suspected that an MPC staff member accidentally turned the blower off, as no mechanical reason for the shutdown was found. METI confirmed appropriate negative pressure at VMP-1C, VMP-2C, and VMP-4C upon restart and the system has been working since. Training has been provided to MPC staff to prevent the blower from being accidentally turned off in the future.

- All manometer readings of the VMPs within Area A met the minimum negative pressure of at least 0.002 in WC in the sub-slab except for VMP-6A (“dead point”). Pre-carbon and post-carbon PID readings were consistently 0.0 parts per million (ppm) throughout the monitoring period. Air analytical data from the pre- and post-carbon sample collected identified NYSDOH target cVOCs exhibited a 92.9% reduction from pre to post carbon, indicating that the carbon is both adequately removing and breaking down the detected cVOCs.

[16] NYSDOH Target cVOCs are included in this calculation, specifically those listed in the NYSDOH “Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York”, May 2017 Update. Specifically: 1,1,1-Trichloroethane, 1,1-Dichloroethene, Carbon tetrachloride, cis-1,2-Dichloroethene, Methylene chloride, Tetrachloroethene, Trichloroethene, and Vinyl chloride.

- All manometer readings of the VMPs within Area B met the minimum negative pressure of at least 0.002 in WC in the sub-slab. Please note that VMP-4B was covered and unable to be measured at the time of inspection. System effluent PID readings were consistently 0.0 ppm throughout the monitoring period.

- Manometer readings in Area C were not collected in July or August due to EW-1C and EW-2C fans being down. During the quarterly sampling event in September, all active VMPs influenced by the EW-3C fan met the minimum 0.002 in WC in the sub-slab. System effluent PID readings ranged from 0.0 to 0.3 ppm throughout the monitoring period.

Q4 2023 (October-December) Monitoring Event – During the Q4 2023 the monthly PID readings were collected on October 3 and November 11 and the quarterly system inspection was completed on December 12. The following was noted during the monitoring period:

- During the Q4 2023 monitoring event, EA noted that VMP-8A in Area A and VMP-5B in Area B exhibited areas of cracking along the surface of the concrete near the vapor monitoring points. EA recommended re-epoxying the cracks in the surface noted above and forwarded this recommendation to the Site owner.

- Due to the fans being replaced with a blower at EW-1C and EW-2C, VMP-1C, VMP-2C, and VMP-4C were measured each month of the third quarter, all VMPs achieved the minimum 0.002 in WC in the subslab.

- All manometer readings of the VMPs within Area A met the minimum negative pressure of at least 0.002 in WC in the sub-slab except for VMP-8A in December and VMP-6A ("dead point"). Pre-carbon PID readings ranged from 0.1 to 0.2 ppm and post-carbon PID readings ranged from 0.1 to 0.2 parts per million (ppm) throughout the monitoring period. Air analytical data from the pre- and post-carbon sample collected identified NYSDOH target cVOCs exhibited a 93.7% reduction from pre to post carbon, indicating that the carbon is both adequately removing and breaking down the detected cVOCs.

- Except for VMP-5B in December, all manometer readings of the VMPs within Area B met the minimum negative pressure of at least 0.002 in WC in the sub-slab. Please note that VMP-4B was covered in October and was unable to be gauged at the time of inspection. System effluent PID readings ranged from 0.0 to 0.7 ppm throughout the monitoring period.

- All manometer readings of the VMPs within Area C met the minimum negative pressure of at least 0.002 in WC in the sub-slab. System effluent PID readings ranged from 0.0 to 27.9 ppm throughout the monitoring period.

Q1 2024 (January-March) Monitoring Event – During the Q4 2024 the monthly PID readings were collected on January 12 and February 8 and the quarterly system inspection was completed on March 12. The following was noted during the monitoring period:

- During the Q1 2024 monitoring event, EA noted that Area A and Area B exhibited areas of cracking along the surface of the concrete near the vapor monitoring points. In March 2024, the floor cracks were epoxied by MOD-PAC personnel in Area A and Area B.

- All manometer readings of the VMPs within Area A met the minimum negative pressure of at least 0.002 in WC in the sub-slab except for VMP-8A in January and March, and VMP-6A ("dead point"). Pre-carbon PID ranged from 0.3 to 1.4 ppm and post-carbon PID readings were consistently 0.0 ppm. NYSDOH target cVOCs exhibited a 91.3% reduction from pre to post carbon indicating that the carbon is both adequately removing and breaking down the detected cVOCs. The carbon will be assessed at the next sampling event to determine if a carbon change out is required.

- A few non-target compounds exhibited a slightly higher post-carbon concentration when compared to its respective pre-carbon concentration. A carbon changeout will likely be needed after the next quarterly sampling event.

- All manometer readings of the VMPs within Area B met the minimum negative pressure of at least 0.002 in WC in the sub-slab throughout Q1 2024, with the exception of VMP-1B, VMP-2B, VMP-5B, and VMP-6B in March. System effluent PID ranged from 0.0 to 0.2 ppm.

- All manometer readings of the VMPs within Area C met the minimum negative pressure of at least 0.002 in WC in the sub-slab throughout Q1 2024. System effluent PID readings were consistently 0.2 to 3.8 ppm.

Q2 2024 (through April 24) Monitoring Event – The reporting period for this current PRR was from April 24, 2023 through April 24, 2024, with the PRR submittal due date extended to September. Since non-compliant pressure readings were recorded during the March Q1 2024 monitoring event, follow up monthly pressure readings were recorded on April 9, 2024 during the annual groundwater sampling event. The following was noted during this sampling event:

- VMP-6B met the minimum negative pressure of at least 0.002 in WC in the sub-slab.

- VMP-8A, VMP-1B and VMP-5B remained at +0.000 in WC. No readings were collected in Area C.

- During the Q1 2024 monitoring event, EA noted that Area C exhibited areas of cracking along the surface of the concrete near the vapor monitoring points. In early April, 2024 the floor cracks were epoxied by MOD-PAC personnel in Area C, and additional areas were epoxied in Area A and Area B.

On April 10, 2024, VMP-8A and VMP-5B were redrilled in effort to remove potential fines that could be blocking these monitoring points. After clearing the fines, VMP-8A and VMP-5B remained at +0.000 in WC, therefore three temporary VMPs were installed in the

vicinity of VMP-8A and five temporary VMPs were installed in the vicinity of VMP-5B, to test for vacuum underneath the slab. Except for the temporary VMP located directly in front of the dock leveler in Area B, all temporary VMPs in Area A and Area B met the minimum negative pressure of at least 0.002 in WC in the sub-slab[17]. The temporary VMP located approximately 5-feet from VMP-8A and 8-feet from VMP-5B were completed as permanent points, VMP-8AR and VMP-5BR, respectively. The remaining temporary VMPs were decommissioned by plugging with non-shrinking grout. It appears clear that the previous vacuum issues at VMP-5B can be attributed to the dock leveler. VMP-8AR is located the same distance from the exterior wall as the original VMP-8A. There is no visible difference in the slab or site features between VMP-8A and VMP-8AR. The cause of the previous vacuum failures at VMP-8A are undetermined, and likely due to differences in the sub-surface material. Additional detail regarding the replacement VMP installation and testing can be found in METI's 2024 SSD Systems PRR included as Attachment 1.

Annual EC Inspection – The annual EC inspection was completed by METI and EA on April 15, 2024. The following was noted during the inspection:

- All manometer readings of the VMPs within Area A met the minimum negative pressure of at least 0.002 in WC in the sub-slab with the exception VMP-6A ("dead point") and VMP-8A. The newly installed VMP-8AR exhibited a vacuum reading of -0.014 in WC. Pre-carbon PID reading was 0.1 ppm and post-carbon PID reading was 0.0 ppm.

- All manometer readings of the VMPs within Area B met the minimum negative pressure of at least 0.002 in WC in the sub-slab except for VMP-5B. Newly installed VMP-5BR exhibited a vacuum reading of -0.058 in WC. System effluent PID was 0.0 ppm. A reading was unable to be collected from the blower in Area B as METI and EA did not have access to the inside of the blower enclosure, however the blower could be heard operating. A blower reading was collected on April 9, 2024, during the regular monthly check.

- All manometer readings of the VMPs within Area C met the minimum negative pressure of at least 0.002 in WC in the sub-slab. System effluent PID readings were 0.0 ppm. A gauge was not installed on the blower that influences EW-1C and EW-2C, one will be installed in the near future.

At the time of this report's preparation, all manometer readings in Area A and Area B, except for VMP-6A (dead point), VMP-8A, and VMP-5B meet the minimum negative pressure of at least 0.002 in WC in the sub-slab. VMP-6B exhibited a compliant reading during the April 2024 O&M check and VMP-1B exhibited a compliant reading during the April

[17] Temporary VMP (TVMP) pressure readings in Area A were recorded as follows: TVMP-8A-1: -0.011, TVMP-8A-2: -0.011, and TVMP-8A-3: -0.012. TMVP-8A-3 was permanently installed as VMP-8AR.
Temporary VMP (TVMP) pressure readings in Area B were recorded as follows: TVMP-5B-1: +0.000, TVMP-5B-2: -0.414, TVMP-5B-3: -0.151, TVMP-5B-4: -0.020, and TVMP-5B-5: -0.021. TMVP-5B-5 was permanently installed as VMP-5BR.

2024 Annual Engineering Certification. Additionally, manometer readings for the VMP's influenced by the EW-1C and EW-2C blower and the EW-3C fan are compliant with the minimum negative pressure of at least 0.002 in WC as designed.

As previously postulated, the inability to achieve the minimum vacuum at times is believed to be associated with changing groundwater levels/perched groundwater during the colder months at the Site. Water table levels monitored in the eastern portion of the Site[18] throughout the 2023 – 2024 reporting period (monthly basis through August 2023, and quarterly thereafter), ranged from 3.11 feet below grade to 7.18 feet below grade. If the groundwater surface rises to even a limited extent during the winter/early spring months, or if perched groundwater becomes trapped, the vadose zone beneath the SSD systems becomes very limited. It is believed that this is leading to some level of upward draw by the SSD system, possibly creating areas of blockage beneath the building floors. Over time, high groundwater conditions within the SSD areas under pressure may have contributed to the accumulation of fines in preferential airflow pathways underneath the slab causing the reduced vacuum influence in select areas within Area A and Area B. Some evidence for this condition is provided as all manometer readings collected during the summer and fall months of 2019, 2020, 2021, 2022, and 2023 met the minimum 0.002 in WC in the sub-slab zones except for VMP-8A and VMP-5B in SSD areas A and B. Additionally, repeated fan malfunction in Area C during the winter months was confirmed to be the result of water damage to the fans. EW-1C and EW-2C were converted to a 1.5 HP blower in August 2023 due to the inability to prevent water damage to the fans despite continued efforts to mitigate. This is also discussed in METI's SSDS 2024 PRR, included as Attachment 1. Historical groundwater elevations are listed on Table 3.

3.2 Pre- and Post-Carbon Sampling Results

Pre- and post-carbon air samples were collected on a quarterly basis and analyzed for VOCs via EPA Method TO-15. During the 2023-2024 reporting period, the carbon was adequately removing the bulk of the VOCs detected and carbon replacement was not warranted, as the majority of analytes detected in the post-carbon air samples were below those detected in pre-carbon air samples.

Post-carbon analytical data collected during Q1 2024 exhibited lower concentrations of all target NYSDOH Matrix cVOCs contaminants except for cis-1,2-dichloroethene, and most non-chlorinated compounds with an overall target cVOC reduction of 91.3 percent. These air analytical results indicate the carbon is adequately removing the bulk of the VOCs detected, and carbon replacement is not warranted at this time. EA will assess if a carbon change out is required after the next sampling event.

Previous carbon replacements were completed in December 2022, December 2021, and September 2020, with the system start-up in October 2019. The approximate life span of the carbon has been consistently over one year for the past 3 years since the system

[18] Groundwater monitoring wells included in the monthly water level gauging include MW-3, MW-11, MW-12, and MW-13, which are the four wells subject to the remedial program, as well as MW-14 and MW-15 which are adjacent to Area A and Area B, respectively. Currently, we do not have elevations for MW-14 and MW-15, as these locations were not surveyed during previous remedial activities.

start-up. As the system has been in place for three years, the carbon change-out requirements are becoming less frequent over time. Historical air sample results are summarized in Table 1 provided in Appendix B. The analytical laboratory reports are provided in Appendix D.

The analytical results indicate that the carbon is adequately breaking down and removing the bulk of the VOCs detected and most importantly is adequately breaking down and removing the target NYSDOH Matrix cVOC contaminants. Over the life of the SSD System in Area A, target cVOC reduction from carbon treatment has ranged from 79% to 100%. Furthermore, a comparison of pre-carbon cVOC concentrations from October 2019 when the SSD System was started through March 2024 exhibited a 95% reduction in cVOCs over the lifespan of the system to date. The reduction of pre-carbon cVOC concentrations from the initial October 2019 baseline levels range from a 61% reduction (December 2019) to the current 95% reduction of cVOCs in March 2024.

3.3 Ground Water Monitoring and Sampling

The SMP requires annual sampling and analysis of the groundwater at monitoring wells MW-3, MW-11, MW-12, and MW-13 to evaluate the effectiveness of the completed ISCO remedy for the Site. To this regard, annual groundwater samples were collected on April 9, 2024 and analyzed for VOCs via USEPA Method 8260 TCL. Monitoring well locations are presented in Figure 2 and analytical results are summarized in Table 4.

The SMP-defined goal of a 50% reduction of TCE concentrations after two consecutive [annual] groundwater sampling events was not achieved. Therefore, EA had recommended in the 2019-2021 PRR that quarterly groundwater samples be collected from the four groundwater monitoring wells subject to SMP monitoring and analyzed for VOCs to assess if any seasonal variations in contaminant levels exist. This sampling regimen was a voluntary effort in addition to what was outlined in the SMP, therefore, initially EA did not complete QA/QC for any samples collected except the annual April sampling event, as the purpose of the additional sampling is solely to assess any seasonal variances and not for SMP compliance purposes. The Department in the 2020-2021 PRR approval letter requested that QA/QC samples be collected during the additional quarterly sampling events; however waived data validation on the quarterly sampling, requiring validation for the annual SMP compliance samples only. In the 2022-2023 PPR, it was recommended that groundwater monitoring be reduced to a semi-annual basis, however the Department requested that quarterly sampling continue in the August 23, 2023 PRR Response letter. At the request of the Department, quarterly groundwater sampling was conducted on July 25, 2023, October 3, 2023, January 12, 2024 and the annual SMP samples were collected on April 9, 2024.

Additionally, in consideration of the inability to achieve the minimum 0.002 in WC during the winter months over the previous 2019-2021 and 2021-2022 reporting periods in SSDS Area A, SSDS Area B, and SSDS Area C, and the speculation of a possible correlation to the seasonal changes in groundwater levels at the Site, EA recommended that monthly water levels be collected in concert with the monthly SSD Systems vacuum readings to further explore this concept. Groundwater monitoring wells included in the

monthly water level gauging include MW-3, MW-11, MW-12, and MW-13 (the wells subject to the remedial program), as well as MW-14 and MW-15 (wells adjacent to SSDS Area A and SSDS Area B, respectively). In the 2022-2023 PPR, it was recommended that monthly water level gauging be reduced to a quarterly basis in concert with groundwater sampling and the Department agreed. To this regard, monthly ground water gauging was conducted on May 17, June 20, July 25, and August 17, 2023 when monthly gauging was discontinued; and quarterly water level gauging was completed on October 3, 2023, January 12, 2024 and April 9, 2024.

Prior to sample collection, the static groundwater level and total well depth were measured. During well purging activities, field measurements of pH, specific conductivity, temperature, and turbidity were recorded. Once the parameters stabilized, EA collected the groundwater using low flow sampling techniques. Field notes cataloguing observations during groundwater monitoring activities are included in Appendix E.

Groundwater analytical test results are summarized on Table 4, provided in Appendix C. The laboratory analytical reports are included in Appendix D. During the quarterly and annual groundwater sampling events, most compounds were detected at concentrations below their respective NYSDEC Class GA criteria; the following results were noted:

- 1,1-dichloroethene was detected in monitoring wells MW-3, MW-11, and MW-13; however, concentrations of these compounds were below their respective NYSDEC Class GA criteria.

- Cis-1,2-dichloroethene was detected in monitoring wells MW-3, MW-11 and MW-13 during all four quarterly sampling events, except for MW-3 in July 2023 which was inaccessible. All detected concentrations of cis-1,2-dichloroethene exceeded its NYSDEC Class GA criteria of 5 ppb and ranged from 11 ppb in MW-11 in October 2023 and January 2024 to 99 ppb in MW-3 in October 2023.

- Trans-1,2-dichloroethene was detected in monitoring wells MW-3 and MW-11, during all four quarterly sampling events, except for MW-3 in July 2023 which was inaccessible, and MW-13 in July and October 2023 and April 2024. The concentration of trans-1,2-dichloroethene ranged from 0.7 ppb in MW-13 in April 2024 and 18 ppb in monitoring well MW-11 in April 2024.

- TCE was detected in monitoring wells MW-3, MW-11, and MW-13 during all four quarterly sampling events, except for MW-3 in July 2023 which was inaccessible. All concentrations of TCE in monitoring wells MW-3, MW-11, and MW-13 exceeded its NYSDEC Class GA criteria of 5 ppb and ranged from 12 ppb in MW-11 during the October 2023 and January 2024 sampling events to 400 ppb in MW-3 during the October 2023 sampling event. TCE is not typically detected in MW-12, however TCE was detected in July and October 2023 below its respective NYSDEC Class GA criteria of 5 ppb.

- Vinyl chloride was detected in monitoring wells MW-3, MW-11, and MW-13 during all four quarterly sampling events, except for MW-3 in July 2023 which was inaccessible. The concentrations of vinyl chloride exceeded its NYSDEC Class GA criteria of 2 ppb in MW-11 and MW-13 during all four quarterly sampling events and MW-3 in October 2023. The concentration of vinyl chloride ranged from 1.7 ppb in MW-3 in January 2024 to 35 ppb in MW-13 in July and October 2023.

As outlined in the SMP, groundwater monitoring activities were required to include at least two additional annual groundwater monitoring events. After the completion of two annual events, if a 50% reduction of TCE concentration in the groundwater was not achieved, then additional sampling on an annual basis would be necessary until a 50% reduction of TCE occurs. The results of the 2023-2024 quarterly and annual sampling events indicate that when compared to February 2018 pre-remedy levels, TCE concentrations at the MW-3 location (most impacted well[19]) have increased by an average of 23% over the current reporting period, and 5% over the course of the remedy, excluding the October 25, 2019, result immediately after remedy application[20]. The other three groundwater wells, however, have exhibited consistent decreasing trends. TCE concentrations at MW-11 have decreased by an average of 53% over the current reporting period, and 33% over the course of the remedy, excluding the October 25, 2019 result. TCE concentrations at MW-13 have decreased by an average of 63% over the current reporting period, and 53% over the course of the remedy, excluding the October 25, 2019 result. TCE concentrations at MW-12 have always been below NYSDEC Class GA criteria, and most times below laboratory detection limits. Therefore, the remedial goal of 50% reduction in TCE has been consistently achieved at the MW-12 and MW-13 locations and has been achieved at the MW-11 location during the 2023-2024 reporting period. Please note the TCE concentrations at MW-11 are consistently relatively low.

Post-ISCO monitoring results at the MW-3 location have been highly variable with inconclusive trending. TCE concentrations decreased initially post-ISCO by 21% followed by an increase over the next four sampling events in April 2020, April 2021, July 2021, and November 2021 by 32%, 21%, 43%, and 21%, respectively. The latter half of the previous 2021-2022 reporting period and throughout the 2022-2023 reporting period with the exception of October 2022, TCE concentrations exhibited a declining trend with a 57% reduction achieved in April 2023. TCE concentrations increased during the current 2023-2024 reporting period, exhibiting a 43%, 18%, and 7% increase in October 2023, January 2024, and April 2024, respectively. MW-3 was unable to be sampled in July 2023 due to a roll-off container blocking access to the well. TCE concentrations at the other three remedial wells have exhibited more consistency. Historical TCE Concentrations in each monitoring well are shown on Figure 5, with historical trends illustrated on Figures 6a and 6b.

[19] Prior to the IRM, the maximum concentration of TCE detected in the groundwater was recorded at 280 ppb in the area surrounding MW-3 (2/5/18 sample).

[20] Analytical results immediately following the Potassium Permanganate application have been excluded as the results are highly variable and not representative of actual conditions.

Concentrations of TCE breakdown contaminants (vinyl chloride [VC] and cis-1,2-dichloroethene [cis-1,2-DCE]) have fluctuated at the four monitoring wells subject to the remedial program. Cis-1,2-DCE initially decreased by 62.5% at the MW-3 location (most impacted well) post-ISCO, followed by a significant increase in July 2021 when water levels were at their lowest. Since July 2021, cis-1,2-DCE at the MW-3 location has exhibited an overall decreasing trend except for a slight increase in October 2022 and October 2023. Currently, cis-1,2-DCE levels in MW-3 are at a 32.5% reduction when compared to pre-remedy levels. VC has exhibited an overall decreasing trend at the MW-3 location since the ISCO remedy, with an overall reduction of 85% from pre-remedy levels. Cis-1,2-DCE and VC have exhibited an overall increasing trend at the MW-11 location, with only the October 2019 sampling event immediately after the ISCO remedy exhibiting lower concentrations of VC. Current cis-1,2-DCE and VC concentrations are at a 287% and 114% increase at MW-11, respectively, when compared to pre-remedy concentrations. Cis-1,2-DCE initially decreased at the MW-13 location by 46% followed by an increase exceeding pre-remedy levels in 2020 and 2021. Since July 2021, cis-1,2-DCE has presented an overall decreasing trend with current levels 69% lower than pre-remedy concentrations. VC initially decreased substantially at the MW-13 location followed by an increasing trend through October 2022 except for November 2021 and January and April 2023, and January and April 2024. Current VC concentrations at the MW-13 location are 12% less than pre remedy concentrations. MW-12 has consistently exhibited non-detect concentrations of cis-1,2-DCE and VC pre and post remedy.

After five years of monitoring data (April 2020, 2021, 2022, 2023 and 2024), EA has concluded that the cVOCs in the vicinity of MW-3 had rebounded. Options to consider are an additional injection remedy at a scaled back scope, or to continue monitoring at MW-3 with consideration that the overall TCE levels are relatively low, the plume is relatively small, and the human health and ecological exposure risk is minute.

3.4 December 2023 & February 2024 Air Assessments

As detailed in the previous Periodic Review Reports (PRR's) for the MOD-PAC CORP (MPC) facility, multiple attempts have been made to prevent groundwater from entering the piping network of the sub-slab depressurization SSD system and damaging the RadonAway fans that were formerly installed in Area C at the MPC facility. As a result of continued fan malfunction, Matrix Environmental Technologies, Inc. (METI) recommended that the EW-1C and EW-2C fans be replaced with a 1.5 HP blower as detailed in the 2022-2023 PRR. To that regard, two air samples were collected at one indoor and one outdoor air location to assess the efficacy of the SSD system with the new 1.5 HP Regenerative Blower installed in Area C. One (1) sample canister was placed inside the building in Area C in the vicinity of the initial February 2020 SSD system verification sample locations and one (1) was placed outside adjacent to the building to collect an outdoor air sample as per the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York.

Air sampling was initially completed in December 2023, but due to suspected on-site chemical interference, sample collection was repeated in February 2024 during a non-production time. Area C is an active maintenance area witch also houses the facility's co-generators. Only the results of the February 2024 air samples will be discussed below,

however the December 2023 results and air monitoring results for Area A and Area B completed during the previous reporting period are included in Attachment D and on Table 2 alongside the February 2024 results.

The February 2024 analytical testing results indicate that the majority of VOCs and at the Site were below the three guidelines recommended by the NYSDOH; the following results were noted:

- Two Soil Vapor/Indoor Air Matrix D21 compounds, 1,2,4 – Trimethylbenzene and 1,3,5 – Trimethylbenzene were above the maximum allowable Indoor air concentration of 10 ug/m^3 for "No Further Action".

- One Soil Vapor/Indoor Air Matrix A compound[22], TCE, was above the maximum allowable Indoor air concentration of 1 ug/m^3 for "No Further Action".

- Five VOC compounds were above the Commercial Indoor Air Background 90th percentile values, 1,2,4 – Trimethylbenzene, 1,3,5 – Trimethylbenzene, 4-ethlytoluene, acetone, and ethyl acetate.

- VOCs sampling results were within all NYSDOH Air Guideline Values.

The 2001 EPA BASE survey consisted of a study of measured concentrations of VOCs from 100 randomly selected public and commercial buildings; however, the date represents typical office settings. The NYSDOH guidance indicates that the 90th percentile values from the USEPA BASE data for indoor air for office and commercial buildings can be considered for initial benchmark values, however where NYSDOH has published an air guideline value for a specific chemical, the air guideline value supersedes the values listed in the USEPA BASE data. Because the USEPA BASE data was collected from commercial office settings only, industry specific deviations as evidenced here are expected.

The difference between the December 2023 and February 2024 indoor air monitoring results for Area C illustrate the chemical interferences present during typical commercial activity at the MPC site. The February 2024 sampling was repeated during a non-production time on a Sunday afternoon; however, some employees were still working in the building at this time, and the previous day operated regular production shifts. In a facility such as MPC, it would be impossible to distinguish between vapors intruding into the building from underneath the slab from those associated with typical commercial activity for the facility. Furthermore, except for TCE, all of the analytes listed above can be associated with either the printing process, printing inks, or typical maintenance activities. The source of the TCE is unknown as no TCE containing products were identified in the maintenance area in December prior to air sample collection, and a follow-up investigation was completed upon receiving the December 2023 laboratory results. Outside contractors and maintenance

[21] Matrix D compounds include Benzene, Ethylbenzene, Naphthalene, Cyclohexane, Isooctane (2,2,4 – Trimethylpentane), 1,2,4 – Trimethylbenzene, 1,3,5 – Trimethylbenzene, and o – Xylene.
[22] Matrix A compounds include carbon tetrachloride, 1,1-dichloroethene, *cis*-1,2-dichloroethene, and trichloroethene.

personnel do have their own personal toolboxes, and while MPC personal are instructed not to bring any maintenance products into the building, it is possible that a maintenance worker or outside contractor could have brought a TCE containing product in to the building.

The mitigation system in Area C is fully functional and the newly installed blower is significantly more powerful than the previous RadonAway fans originally designed for this area. During SSD system design, it was determined that a blower was not necessary in Area C, a blower was installed only to mitigate against the continued water damage sustained by the fans. It is recommended that indoor air sampling be repeated in Area C during the 2024-2025 heating season during non-production time.

4.0 CORRECTIVE MEASURES

On August 22, 2023, the EW-1C and EW-2C fans were replaced with a 1.5 HP blower as described in the previous 2022-20233 PRR. Prior to blower installation, the EW-1C and EW-2C fans had not been operational since late December 2022/early January 2023. Due to the vacuum being too high from the blower, resulting in the system shutting down, bleed air valves were installed on August 24, 2023. The blower was found down on September 13, 2023 during the Q3 2023 inspection and was checked and restarted the following day by METI. It is suspected that either a MPC staff member accidentally turned the blower off, or the in-line timers caused the system to shut down as no mechanical reason for the shutdown was found. The timers were removed, and system restarted. METI confirmed appropriate negative pressure at VMP-1C, VMP-2C, and VMP-4C upon restart and the system has been running efficiently since. Training has also been provided to MPC staff to prevent the blower from being accidentally turned off in the future.

On October 26, 2023, the blower in Area C, which replaced two RadonAway fans, was relocated from its original position on the exterior wall of the MPC facility and placed into a protective weatherproof enclosure.

On April 10, 2024, the roadbox for MW-3 was replaced and set in new concrete and lid replaced due to damage from snow plowing activities. In addition, VMP-8A and VMP-5B were redrilled, in effort to remove potential fines that could be blocking these monitoring points. Clearing the fines was not successful, therefore replacement VMP's were installed in each respective area. VMP-8A was replaced with VMP-8AR (located approximately 5-feet from VMP-8A), and VMP-5B was replaced with VMP-5BR (located approximately 8-feet from VMP-5B). Except for the temporary VMP located directly in front of the dock leveler in Area B, all temporary VMPs in Area A and Area B met the minimum negative pressure of at least 0.002 in WC in the sub-slab.

The following were identified during the April 2024 annual site inspection/engineering control certification and were completed after the current reporting period of April 2023-April 2024, however, were completed prior to the submission of this report:

- Three pre-remedial monitoring wells, MW-4, MW-6, and MW-7, which are not part of the current remedial program were identified at the MPC site during the annual cover inspection. These wells were decommissioned as per NYSDEC CP-43 requirements on June 13, 2024.

- On June 13, 2024, a vacuum gauge was installed on the blower in SSD Area C.

- Limited fabric exposure was identified in the stone area to the east of the turf field at the Kevin Keane Sports Park at Nardin Academy. In July – August 2024, 200 tons of 2-inch crushed limestone was imported to the site and the area was regraded covering all fabric with a minimum of 6-inches of stone. This area will continue to be monitored in the spring months as snow from clearing the parking areas and roadways is frequently stored there.

- On July 18, 2024, the carbon in SSD Area A was replaced with fresh carbon. The spent carbon was sampled for Toxic Characteristic Leaching Procedure (TCLP) VOCs analysis and has been approved for regeneration at Carbon Activated Corporation in Blasdell, New York. The drums are currently staged on-site in 55-gallon drums, pending transport for regeneration.

Documentation for the corrective measures completed after the 2023-2024 reporting period will be included with next year's 2024-2025 PRR.

5.0 CONCLUSIONS AND RECOMMENDATIONS

As presented in Table 4.2 – Post Remediation Sampling Requirements and Schedule of the SMP, a minimum of two annual groundwater monitoring events is suggested at four existing monitoring wells (MW-3, MW-11, MW-12 and MW-13) for VOCs, using USEPA Method 8260 TCL. If TCE concentration within the groundwater is not reduced by at least 50%, then additional annual sampling will be necessary until that occurs. Annual groundwater monitoring events were conducted in April 2020, April 2021, April 2022, April 2023, and April 2024. The required 50% reduction has been achieved in two of the four remedial wells, MW-12 and MW-13, respectively. In addition, MW-11 presents relatively low VOC concentrations. The required 50% reduction of TCE has not been achieved in MW-3, the Sites most impacted monitoring well. As such, EA recommends that voluntary quarterly monitoring of MW-12 and MW-13 be discontinued immediately as these well locations have met the remedial goal as outlined in the SMP. EA also recommends that voluntary quarterly monitoring of MW-11 be discontinued due to the relatively low VOC concentrations at this location. Monitoring of MW-3 should be decreased to a semi-annual basis (April and October) as recommended in the previous 2022-2023 PRR, with the exception that the collection of QA/QC samples should be discontinued for any data that is not required to be validated. Annual sampling of all four wells as specified in the SMP should continue during the month of April with the collection of QA/QC samples and data validation.

At this time, an additional injection treatment to reduce the TCE concentration in the vicinity of MW-3 should not be considered as the required 50% reduction has been achieved in MW-12 and MW-13, located approximately 69-feet and 84-feet respectively from MW-3, and TCE concentrations are relatively low in MW-11, located approximately 47-feet from MW-3. The TCE plume surrounding MW-3 is relatively small, and in consideration of the location of the MPC Site in an industrial area in the City of Buffalo, where groundwater use is prohibited, the human health and ecological exposure risk is minute. Furthermore, the area directly to the northeast of MW-3 is an active Brownfield currently in the Remedial Investigation phase of the BCP program. No additional remedial work should be considered in the vicinity of MW-3 until remedial work is completed at the adjacent site.

Quarterly groundwater sampling completed throughout the 2021-2022, 2022-2023, and 2023-2024 monitoring periods did exhibit seasonal variations in contaminant levels, specifically higher TCE concentrations in July when the groundwater levels at the Site were at their lowest. With a specific gravity greater than 1 (denser than water), TCE is a dense non-aqueous phase liquid (DNAPL), therefore contaminant levels are expected to be higher when groundwater levels are lower. This should be taken into consideration when evaluating the reduction in TCE post-remedy, as the pre remedy baseline data was collected in February 2018, when the groundwater levels were likely higher and concentrations of TCE detected in the groundwater sample likely lower.

In August 2023, the RadonAway fans influencing EW-1C and EW-2C in SSD Area C were replaced with a single 1.5 HP regenerative blower. This alteration was made due to multiple failed attempts to prevent groundwater from entering the piping network of the SSD system in Area C and damaging the RadonAway fans. During the initial SSD system design prior to the COC, it was determined that a blower was not necessary in Area C, as sub-slab concentrations were not elevated enough to warrant the use of a blower. The newly installed blower is significantly more powerful than the previous RadonAway fans originally designed for this area and since the installation of the blower, all VMPs in Area C have consistently met the -0.002 in WC. The mitigation system in Area C is fully functional.

Indoor and outdoor air sampling results from Area C revealed significant chemical interference during typical commercial activity at the MPC Site. Although the results from the February 2024 air sampling are within NYSDOH Air Guideline Values, demonstrating the effectiveness of the new 1.5 HP blower installed in Area C, the concentration of TCE was above the maximum allowable Indoor air concentration of 1 ug/m^3 for “No Further Action” listed on Soil Vapor/Indoor Air Matrix A. 1,2,4 – Trimethylbenzene and 1,3,5 – Trimethylbenzene were above the maximum allowable Indoor air concentration of 10 ug/m^3 for “No Further Action” listed on Soil Vapor/Indoor Air Matrix D. It is recommended that indoor air sampling be repeated in Area C during the 2024-2025 heating season during non-production time, with results compared to the three NYSDOH criterion and the February 2024 air sampling results. It should be considered that it is impossible to distinguish Soil Vapor/Indoor Air Matrix D, Matrix E, and Matrix F petroleum associated compounds from normal commercial activity in the MPC maintenance area.

In April 2024 replacement VMP's were installed in the vicinity of VMP-8A and VMP-5B. Prior to final replacement VMP placement, temporary VMP's were installed to test for vacuum influence in each respective area. Except for the temporary VMP located directly in front of the dock leveler in Area B, all temporary VMPs in Area A and Area B met the minimum negative pressure of at least 0.002 in WC in the sub-slab. Permanent point VMP-8AR was installed approximately 5-feet from VMP-8A, and permanent point VMP-5BR was installed approximately 8-feet from VMP-5B. The remaining temporary VMPs were decommissioned by plugging with non-shrinking grout. It is recommended that VMP-8A, VMP-5B, and VMP-6A be permanently decommissioned and monitoring ceased as these points have been confirmed as dead points and continued monitoring of these points provides no valuable data in relation to the effectiveness of the SSD systems or remedial goals.

The Area A, Area B, and Area C SSD systems are currently functioning properly, as manometer readings of the majority of the VMPs within these areas met the minimum negative pressure of at least 0.002 in WC in the sub-slab and all blowers and the single fan are currently operating. At the time of this report's submittal, only verified dead points VMP-6A, VMP-8A, and VMP-5B remain with a positive pressure reading; all other VMP's meet the -0.002 in WC as designed.

The SSD systems will continue to be inspected and maintained at least quarterly as specified in the SMP. Additional inspections and/or sampling may occur when a suspected failure of the SSD system has been reported or an emergency occurs. In addition, the SSD systems will be tested if, over the course of the system's lifetime, significant changes are made to the system, and the system must be restarted. The Operation & Maintenance Plan (O&M Plan) describes the measures necessary to operate, monitor and maintain the existing SSD systems and includes procedures for routine operation, shutdown, general maintenance and monitoring requirements, and record keeping. The O&M Plan is fully in place, with no deficiencies in compliance. No changes to the plan are recommended at this time.

The activated carbon in Area A was replaced on July 18, 2024. Previous carbon replacement was completed in December 2022, December 2021, and September 2020, with the system started in October 2019; therefore, the approximate carbon life has consistently been one year over the past four years since the system start-up. A comparison of pre-carbon cVOC concentrations from October 2019 when the SSD System was started through March 2024 exhibited a 94% reduction in cVOCs over the lifespan of the system to date.

In July – August 2024, #2 crushed limestone was imported and graded in the stone area to the east of the turf field at the Kevin Keane Sports Park at Nardin Academy. The remaining cover at the Site consisting of asphalt covered parking lots and roadways, the interior concrete building slab, and turf athletic field was found in good condition with no deficiencies noted.

All components of the Site Management Plan have been met during the reporting period, including Engineering Controls, Institutional Controls, the Monitoring Plan, and the Operation & Maintenance Plan. No groundwater use or change of use occurred during the reporting period, and all excavations and intrusive work was described above in Section 2.6. Based on activities conducted at the Site during the reporting period, the Site remedy continues to be protective of public health and the environment. The requirements for Site closure have not yet been met, and no changes to the frequency of PRR submittals are recommended at this time.

In October 2020, the athletic field portion of the BCP was transferred by deed to Nardin Community Athletic Complex, LLC. Documentation regarding this property transfer was provided in the 2022-2023 PRR. During the annual cover inspection completed in April 2024, the athletic field was inspected by EA, as part of BCP Site #C915314. During the 2024-2025 reporting period, EA will continue to inspect the athletic field portion of the BCP Site, and will reach out to Nardin Community Athletic Complex, LLC and MPC to ensure the relevant sections of the SMP and EWP are followed for the athletic fields.

ATTACHMENT 1

SUB-SLAB DEPRESSURIZATION SYSTEMS 2024 PERIODIC REVIEW REPORT

SUB-SLAB DEPRESSURIZATION SYSTEMS
2024 PERIODIC REVIEW REPORT

APRIL 25, 2023 – APRIL 24, 2024

August 30, 2024

Prepared For:

MOD-PAC CORP.
1801 Elmwood Avenue
Buffalo, New York
BCP Site #C915314

Prepared By:

MATRIX
ENVIRONMENTAL TECHNOLOGIES INC.

Christine M. Curtis, P.E.
Senior Engineer

Sean R. Carter, P.E.
Principal Engineer

CERTIFICATION STATEMENT

I, Christine M. Curtis, P.E., certify that I am currently a NYS Professional Engineer as defined in 6 NYCRR Part 375 and that this 2024 Periodic Review Report for the sub-slab depressurization (SSD) systems operating in three buildings at the MOD-PAC CORP. facility located at 1801 Elmwood Avenue, Buffalo, NY was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in New York.

I hereby certify the following drawings:

Figure 1: Vapor Mitigation Areas
Figure 2A: Area A SSD System Layout and Piping Diagram
Figure 2B: Area B SSD System Layout and Piping Diagram
Figure 2C: Area C SSD System Layout and Piping Diagram
Figure 3A: Area A SSD System Layout – Profile View
Figure 3B: Area B SSD System Layout – Profile View
Figure 3C: Area C SSD System Layout – Profile View
Figure 4A: Area A and Area B Process and Instrumentation Diagram
Figure 4B: Area C Process and Instrumentation Diagrams

Christine M. Curtis, P.E. #100560
Matrix Environmental Engineers, PLLC

8/30/2024
Date

SEAL

TABLE OF CONTENTS

ATTACHMENTS

1.0 INTRODUCTION

Matrix Environmental Technologies Inc. (METI) has prepared this Sub-Slab Depressurization (SSD) Systems Annual Periodic Review Report (PRR) in cooperation with Environmental Advantage, Inc. (EA) on behalf of the MOD-PAC CORP. (MOD-PAC). This report documents operations, maintenance and monitoring activities associated with SSD systems operating at the MOD-PAC facility located at 1801 Elmwood Avenue in Buffalo, New York (Brownfield Cleanup Program Site #C915314).

2.0 INSTITUTIONAL CONTROL/ENGINEERING CONTROL (IC/EC) PLAN COMPLIANCE

2.1 SSD Systems Description

The design objective of the SSD systems is to mitigate potential vapor intrusion into the three target areas designated as Area A (Finished Product Storage), Area B (Roll Storage; formerly Cold Storage), and Area C (Facility Maintenance) within the MOD-PAC facility by maintaining a negative pressure of at least 0.002 inches of water column (inches WC) in the sub-slab. An overview of the treatment areas is included in **Figure 1**. System layout and piping diagrams for each treatment area are included as **Figures 2A-2C.** The designs were developed in accordance with the applicable standards, criteria, and guidance contained in or referenced in NYSDOH's "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006 and its updates. The SSD systems were installed in September 2019 and were fully operational by October 25, 2019.

The SSD systems create negative pressure under the building floor slab relative to the indoor air pressure, thereby minimizing the potential for soil gas to migrate into the building. The systems use a regenerative blower or fan to apply vacuum to vapor extraction points installed throughout the building floor slab. The primary system components of each SSD system include the extraction wells, extraction piping equipped with vacuum gauges and ball valves, a blower or fan, and vapor phase carbon treatment (Area A only). System profile views are included as **Figures 3A-3C** and process and instrumentation diagrams are included as **Figures 4A-4B**.

Performance of the SSD systems is evaluated using vacuum data collected from the vapor extraction wells and permanent monitoring points installed in each treatment area. Systems start-up activities are detailed in the *Sub-Slab Depressurization System Start-up Report and Operation and Maintenance Plan* (December 12, 2019, METI) and the *Final Engineering Report* (November 2019, C&S Engineers, Inc.). Results of subsequent systems inspections and monitoring and maintenance activities are summarized in quarterly reports prepared by EA and annual periodic review reports prepared by EA and METI.

2.2 SSD Systems Status

Installation of the SSD systems in all three target remediation areas was completed by October 2019. The most recent annual Site inspection was performed by METI on April 15, 2024. A completed Site Inspection Report is included in **Appendix A**.

2.2.1 Area A (Finished Product Storage)

The Area A system includes a 6 HP GAST R6P355 regenerative blower operating on 10 extraction wells. The system began operating on September 11, 2019 and was fully operational during the annual Site inspection on April 15, 2024.

The regenerative blower is currently operating at 20-23 inches W.C. corresponding to flow rates of 230-235 CFM. Vacuum readings in the extraction wells that are fully open generally range from 17-20 inches W.C.; the valve for extraction well EW-1A was reduced to 1/3 open and the valve for extraction well EW-6A was closed during initial system adjustments shortly after system activation in 2019. Pre-carbon PID readings, once as high as 52.6 ppm following system startup, were zero or negligible (approximately 1 ppm or lower) over the reporting period. Analytical results of influent (pre-carbon) air samples collected on a quarterly basis indicate that target VOC concentrations have correspondingly declined, with total target CVOC concentrations decreasing by over 94% by March 2024 as compared to baseline levels recorded in October 2019:

Table 2.1: Pre-Carbon Total Target CVOC* Concentrations (µg/m^3)

Date	Pre-Carbon	Percent Decrease
10/03/19	*2,826*	-
06/20/23	334	88.2%
09/13/23	319	88.7%
12/12/23	252	91.1%
03/12/24	154	94.6%

*1,1,1-Trichloroethane, 1,1-Dichloroethene, Carbon tetrachloride, cis-1,2-Dichloroethene, Methylene chloride, Tetrachloroethene, Trichloroethene, Vinyl chloride

PID readings collected from the system effluent (post-carbon) have remained zero or negligible since November 2020 and correlate with analytical results of post-carbon air samples indicating that VOC concentrations are removed to levels acceptable for discharge following carbon treatment.

Vacuum readings in the vapor monitoring points generally exceed the minimum 0.002 inches W.C. with the exception of VMP-6A and, occasionally, VMP-8A. The area in the vicinity of VMP-6A is defined by visible saw cuts in the slab and includes a manhole and a rectangular vault formerly containing a hydraulic lift. Following an investigation in October 2019, it was concluded that achieving the target vacuum influence in this area is not possible, and VMP-6A was temporarily removed from the monitoring program[1]. At the request of NYSDEC, monitoring of VMP-6A resumed during the first quarter of 2022. As detailed in Section 2.3, a replacement vapor monitoring point, VMP-8AR, was installed approximately 6 feet east of VMP-8A on April 10, 2024. At the time of the annual inspection on April 15, the target vacuum influence was achieved in VMP-8AR.

PID measurements and vacuum data collected by EA from the extraction wells and vapor monitoring points over the reporting period are included in **Table 1A**. Laboratory analytical reports are included as appendices in the quarterly monitoring reports prepared by EA.

[1] "Sub-Slab Depressurization System Start-up Report and Operation and Maintenance Plan", prepared by Matrix Environmental Technologies, Inc., dated December 12, 2019.

2.2.2 Area B (Roll Storage)

The Area B system includes a 6 HP GAST R6P355 regenerative blower operating on eight extraction wells. The system began operating on September 19, 2019 and was fully operational during the annual Site inspection on April 15, 2024.

The regenerative blower is currently operating at approximately 29-45 inches W.C. corresponding to flow rates of 195-220 CFM. Vacuum readings in the extraction wells range from 31-39 inches W.C. System effluent PID readings were non-detect or negligible (less than 1 ppm) over the reporting period.

Vacuum readings in six of the seven vapor monitoring points generally exceeded 0.002 inches W.C. over the reporting period. During the March 2024 site check, zero vacuum influence was noted in VMP-1B and VMP-6B; however, sufficient vacuum influence was noted in these points during the subsequent site check in April. Vacuum readings were lower than the target vacuum in VMP-5B during site checks completed in May-June 2023, December 2023, and March-April 2024. As detailed in Section 2.3, a replacement vapor monitoring point, VMP-5BR, was installed approximately 8 feet east of VMP-5B on April 10, 2024. At the time of the annual inspection on April 15, the target vacuum influence was achieved in VMP-5BR.

PID measurements and vacuum data collected from the extraction wells and vapor monitoring points and over the reporting period are included in **Table 1B**.

2.2.3 Area C (Facility Maintenance)

The Area C system currently includes a 1.5 HP GAST R4P115 regenerative blower operating on two extraction wells (EW-1C and EW-2C) and a RadonAway HS5500 radon fan operating on a single extraction well (EW-3C). Previously, the Area C system included three fans, each operating on a single extraction well. Due to water damage caused by condensate buildup, the fans associated with EW-1C and EW-2C were not operational during the first several months of the reporting period and were removed and replaced with the regenerative blower on August 22, 2023. The EW-1C and EW-2C systems originally began operating on September 11, 2019. The EW-3C system became operational on October 25, 2019. At the time of the annual Site inspection on April 15, 2024, the Area C system was fully operational.

PID measurements and vacuum data collected from the extraction wells and vapor monitoring points are included in **Table 1C**. With the blower operational, vacuum at EW-1C and EW-2C ranged from 33-46 inches W.C., corresponding to flow rates of approximately 70-90 SCFM. The EW-3C fan operated at 27-34 inches W.C. over the reporting period, corresponding to flow rates of approximately 35-44 CFM. Effluent PID measurements from the EW-3C fan have continued to remain zero or negligible (1 ppm or lower), whereas PID readings from EW-1C and EW-2C ranged from 0 to 27.9 ppm over the reporting period.

Outside of the times in which EW-1C and EW-2C were not operational, the target vacuum of 0.002 inches WC was achieved in all vapor monitoring points. Vacuum readings lower than the target vacuum were recorded in VMP-1C, VMP-2C, and VMP-4C in June 2023 prior to activation of the blower and in September 2023 while the blower was temporarily not operational due to initial start-

up adjustments, such as removing timers and installing bleed air valves, needing to be made. These adjustments were completed in September 2023 and the blower has been fully operational since.

2.3 Corrective Measures

While the blowers and fan are operational, the target vacuum of 0.002 inches W.C. is generally achieved in the vapor monitoring points with exceptions due to known subsurface anomalies, cracks in the slab, and occasionally, cracks along the seam of the extraction well trenches caused by heavy machinery use, particularly in Area B. In addition, based on data collected over several years, METI suspects that seasonal increases in groundwater elevations at the Site reduce the vertical thickness of the vadose zone and result in the uptake of water into system process piping. For any vapor monitoring point (with the exception of VMP-6A) that fails to achieve the minimum negative pressure of 0.002 inches WC during the quarterly SSD systems inspections, monthly vacuum monitoring is continued until a vacuum reading greater than 0.002 inches W.C. is observed. A summary of corrective measures completed over the reporting period is included as **Table 2** and discussed below.

2.3.1 Area A (Finished Product Storage)

Corrective actions completed in Area A over the reporting period included the sealing of visible cracks in the slab by MOD-PAC personnel using an epoxy-based sealant. The condition of the slab in each area is monitored regularly and sealing is completed on an as-needed basis. Full epoxy-based sealing of the entire area is planned sometime in the future.

Data collected from the vapor monitoring points in Area A indicated that the required vacuum influence was achieved throughout the sub-slab in Area A with the exception of VMP-6A during all monitoring events and VMP-8A during the December 2023 and March 2024 quarterly monitoring events and the May 2023, January 2024, and April 2024 monthly rechecks completed over the reporting period. As discussed in Section 2.2.1, achieving the target vacuum influence in the vicinity of VMP-6A is not possible due to subsurface heterogeneities.

As proposed in the previous annual PRR, vacuum levels below the target vacuum in VMP-8A were addressed by redrilling the point in an attempt to clear fines on April 10, 2024. The ¾-inch female coupling and threaded cap were removed, the point was redrilled to a depth extending to just below the surface of the concrete slab using a hammer drill, and the coupling and threaded cap were replaced in the same location. No material was excavated. Zero vacuum influence was observed in VMP-8A following these measures; therefore, three temporary vapor monitoring points were installed in the vicinity of VMP-8A as shown in **Figure 2A**. Vacuum in the two temporary points to the west was measured at 0.011 inches W.C. These points were decommissioned the same day by plugging with non-shrinking grout. The point located approximately 5 feet to the east was completed as a permanent vapor monitoring point designated as VMP-8AR; vacuum in this point was 0.012 inches W.C. on April 10 and 0.014 inches W.C. during the annual inspection on April 14.

2.3.2 Area B (Roll Storage)

Corrective actions completed in Area B over the reporting period included the sealing of visible cracks in the slab by MOD-PAC personnel using an epoxy-based sealant. Damage to the seam along the extraction well trench to EW-8B and EW-2B is periodically caused by heavy machinery used to

transport materials and finished goods produced at the facility. The condition of the slab in each area is monitored regularly and sealing is completed on an as-needed basis. The condition of the trenches will continue to be monitored and may be repaired and/or resurfaced if necessary.

Data collected from the vapor monitoring points indicated that the required vacuum influence was achieved throughout the sub-slab in Area B with the exception of VMP-1B, VMP-2B, and VMP-6B during the March 2024 site inspection and VMP-5B during the June 2023, December 2023 and March 2024 quarterly monitoring events and the May 2023 and April 2024 monthly rechecks. As proposed in the previous annual PRR, vacuum levels below the target vacuum in VMP-5B were addressed by redrilling the point in an attempt to clear fines on April 10, 2024 according to the procedures detailed in Section 2.3.1 above. As in Area A, zero vacuum influence was observed following these measures; therefore, five temporary vapor monitoring points were installed in the vicinity of VMP-5B as shown in **Figure 2B**. Vacuum in the points ranged from 0 inches W.C. in the point located directly in front of a dock lever (9.5 feet northeast of VMP-5B) to 0.414 inches W.C. in the point located 30 feet northeast of VMP-5B, with four of the five temporary points achieving the target vacuum of 0.002 inches WC. Four of the five points were decommissioned the same day by plugging with non-shrinking grout. One point located 8 feet east of VMP-5B was completed as a permanent vapor monitoring point designated as VMP-5BR; vacuum in this point was 0.021 inches W.C. on April 10 and 0.014 inches W.C. during the annual inspection on April 14. It is assumed that proximity to the dock leveler is the reason for the continued issues at VMP-5B.

2.3.3 Area C (Facility Maintenance)

In Area C, the fans have historically operated near the peak vacuum rating of the fans. The resulting lower air flow rates and location of the fans on an exterior wall near a steam pipe caused condensate to accumulate in the discharge lines affecting fan operation and longevity. Replacement of the fans associated with EW-1C and EW-2C with a 1.5 HP GAST R4P115 regenerative blower was completed on August 22, 2023. The fan associated with EW-3C has been fully operational since December 2022 and therefore was not replaced.

Vacuum in all vapor monitoring points exceeded the minimum target vacuum of 0.002 inches W.C. over the reporting period with the exception of VMP-1C, VMP-2C and VMP-4C while the blower was not operational.

2.4 Conclusions and Recommendations

Corrective measures completed in Areas A and B over the reporting period included the sealing of visible cracks in the slab, redrilling of vapor monitoring points VMP-8A and VMP-5B in an attempt to clear the accumulation of fines resulting in reduced vacuum influence, and installation of additional temporary and permanent vapor monitoring points in the vicinity of VMP-8A and VMP-5B. The target vacuum influence was achieved in all but one of the temporary monitoring points on April 10 and in the permanent vapor monitoring points, VMP-8AR and VMP-5BR, on April 10 and April 15. As these points are located within just 5-8 feet of VMP-8A and VMP-5B, it can be concluded that the area of zero vacuum influence is negligible and that the systems are operating as designed to mitigate vapor intrusion in Areas A and B.

In Area C, corrective measures included the installation of a regenerative blower to replace the fans associated with EW-1C and EW-2C. Since activation of the blower, the target vacuum influence has been achieved in all vapor monitoring points in Area C during monthly inspections completed from October 2023 through April 2024, and blower operation has been reliable.

3.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE

Operation and maintenance of the SSD systems has been completed in accordance with the Site Management Plan (SMP) and the *Sub-Slab Depressurization System Start-up Report and Operation and Maintenance Plan* (December 12, 2019, METI). Initial OM&M system checks were completed weekly for the first month of systems operation. Since that time, system inspections have been completed monthly and the collection of vacuum data has continued on a quarterly basis, or more frequently as needed for select vapor monitoring points. In addition, monthly monitoring of groundwater elevations in select monitoring wells (MW3 and MW11-MW15) had been ongoing from March 2021 through August 2023, and quarterly monitoring of these wells has been ongoing since October 2023. MW14 and MW15 are not included in the sampling program but are monitored due to their proximity to Areas A, B, and C. A summary of monitoring activities completed during the reporting period is included in **Table 2**. Groundwater elevation gauging data is included in the quarterly monitoring reports prepared by EA.

Routine monthly monitoring includes the identification and repair of any leaks in system process piping and operational status checks of blowers and fan. In addition, documentation of manifold settings and vacuum at each vapor extraction point and documentation of vacuum at each monitoring point is completed during the quarterly site checks. Non-routine maintenance, including carbon changeouts and sealing of floor cracks, are completed as necessary. The most recent carbon changeout for the Area A system was completed on July 18, 2024.

In Area A, pre-carbon and post-carbon air samples were collected monthly for the initial three months of system operation and on a quarterly basis thereafter. All samples were submitted for laboratory analysis of VOCs via EPA Method TO-15. Pre-carbon and post-carbon photoionization detector (PID) readings were also collected on a monthly basis. In Areas B and C, PID readings were collected from the system effluent on a monthly basis.

4.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

The SSD systems in Areas A, B, and C are performing as designed and are effectively maintaining negative pressure in the building sub-slab to minimize the potential for vapor intrusion into the building. Although the target vacuum of 0.002 inches W.C. is occasionally not achieved in select vapor monitoring points, data obtained from additional temporary and permanent monitoring points installed in the immediate vicinity of these select points indicate that the area of zero vacuum influence is negligible. It is recommended that VMP-8A and VMP-5B be decommissioned and that monitoring of the newly installed permanent monitoring points, VMP-8AR and VMP-5BR, continue on a quarterly basis.

An indoor air sampling event was completed in Area C only on December 27, 2023 during the heating season following installation of the regenerative blower. Concentrations of 15 compounds exceeded

NYSDOH background levels in commercial indoor air; however, none of these compounds are assigned to NYSDOH Soil Vapor/Indoor Air Decision Matrices. Although commercial background levels were not exceeded, TCE concentrations in indoor air (3.53-3.68 $\mu g/m^3$) did exceed the NYSDOH guideline value[2] of 2 $\mu g/m^3$. The source of the TCE is unknown. Area C is an active maintenance and co-generator area, and the sampling event was therefore repeated on Sunday, February 25, 2024 during non-production time. Concentrations of five compounds, none of which are assigned to NYSDOH Soil Vapor/Indoor Air Decision Matrices, continued to exceed NYSDOH background levels in commercial indoor air. TCE concentrations declined to 1.69-1.70 $\mu g/m^3$. Because the slab is in good condition and vacuum data collected from the vapor monitoring points indicates that the target vacuum influence is being achieved throughout the slab in Area C, it is suspected that these results are related to operations at the facility. Area C is located near the paint booth area and mechanic shop. It is recommended that the indoor air sampling event be repeated in Area C during the next heating season in late 2024 or early 2025 during non-production time.

[2] Table 3.1: Air Guideline Values, of the NYSDOH's "Guidance for Evaluating Soil Vapor Intrusion in the State of New York"

FIGURES

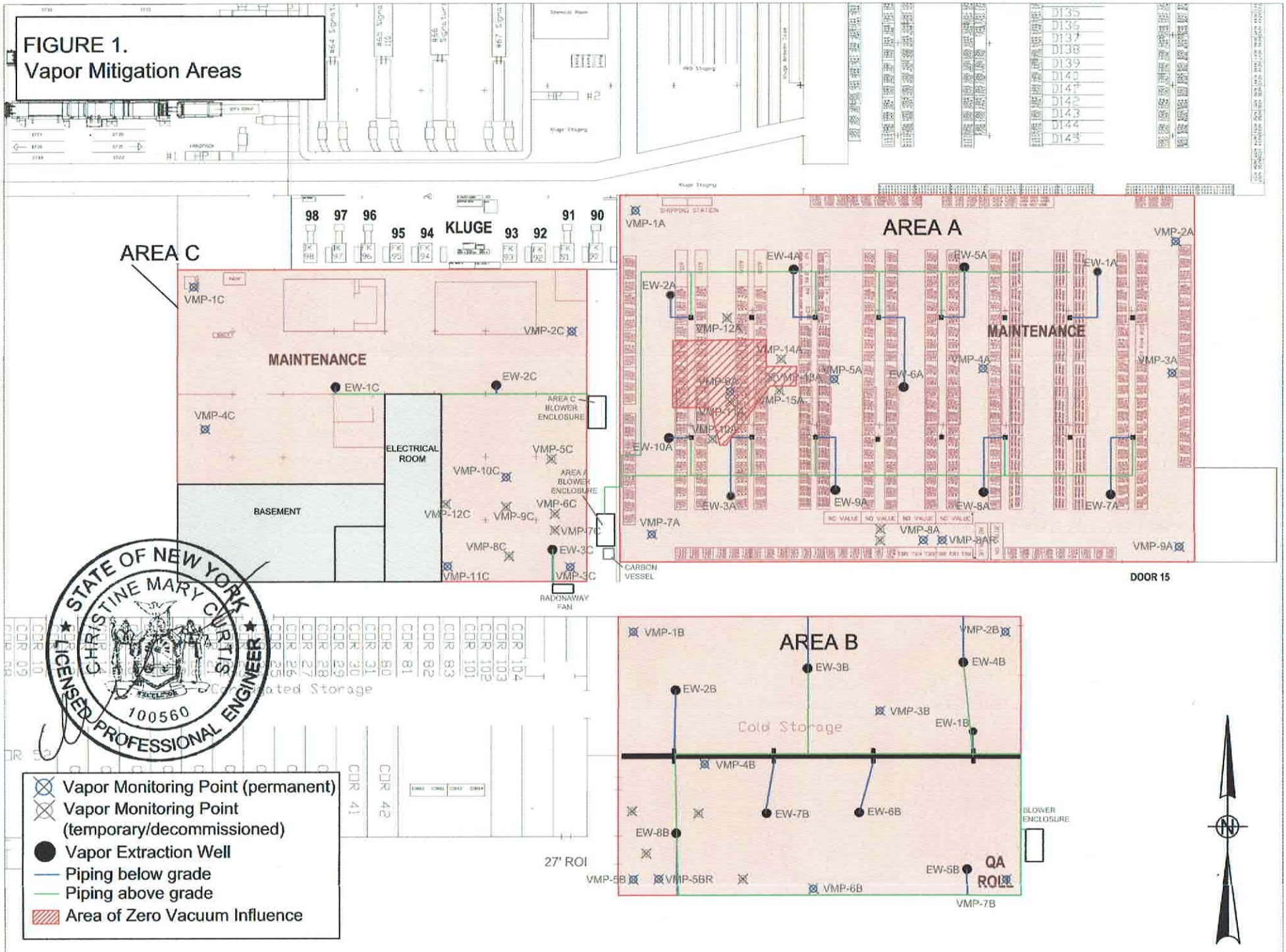


FIGURE 1.
Vapor Mitigation Areas
AREA A
AREA B
AREA C
MAINTENANCE
KLUGE
98
97
96
95
94
93
92
91
90
VMP-1A
VMP-2A
VMP-3A
VMP-4A
VMP-5A
VMP-6A
VMP-7A
VMP-8A
VMP-9A
VMP-10A
VMP-11A
VMP-12A
VMP-13A
VMP-14A
VMP-15A
EW-1A
EW-2A
EW-3A
EW-4A
EW-5A
EW-6A
EW-7A
EW-8A
EW-9A
EW-10A
VMP-1B
VMP-2B
VMP-3B
VMP-4B
VMP-5B
VMP-5BR
VMP-6B
VMP-7B
VMP-8B
EW-1B
EW-2B
EW-3B
EW-4B
EW-5B
EW-6B
EW-7B
EW-8B
QA ROI
27' ROI
BLOWER ENCLOSURE
VMP-1C
VMP-2C
VMP-3C
VMP-4C
VMP-5C
VMP-6C
VMP-7C
VMP-8C
VMP-9C
VMP-10C
VMP-11C
VMP-12C
EW-1C
EW-2C
EW-3C
ELECTRICAL ROOM
BASEMENT
AREA C BLOWER ENCLOSURE
AREA A BLOWER ENCLOSURE
CARBON VESSEL
RADONAWAY FAN
DOOR 15
Cold Storage
Vapor Monitoring Point (permanent)
Vapor Monitoring Point (temporary/decommissioned)
Vapor Extraction Well
Piping below grade
Piping above grade
Area of Zero Vacuum Influence
STATE OF NEW YORK
CHRISTINE MARY CURTIS
LICENSED PROFESSIONAL ENGINEER
100560
N

FIGURE 2A.
Area A SSD System Layout and Piping Diagram

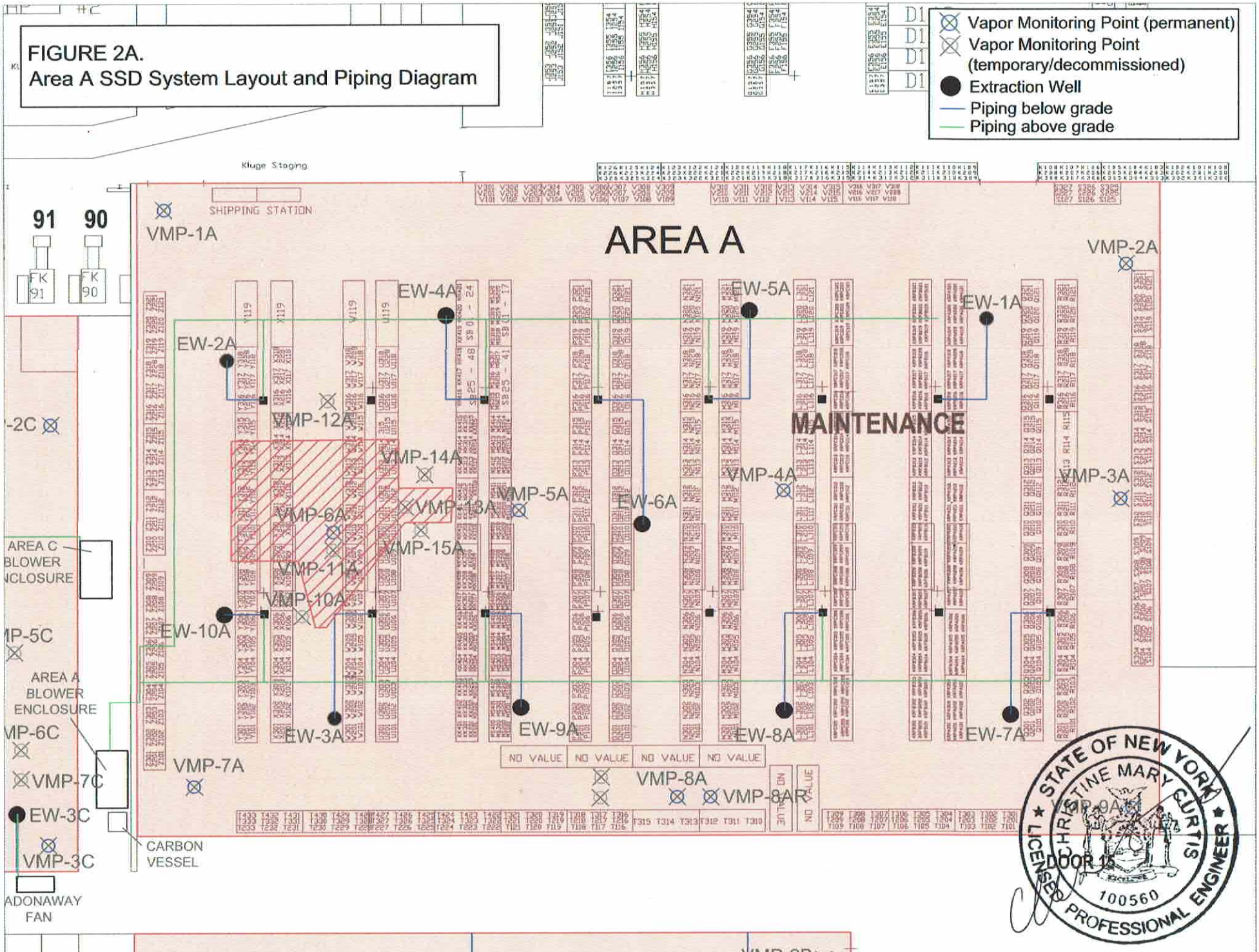


FIGURE 2B.
Area B SSD System Layout and Piping Diagram

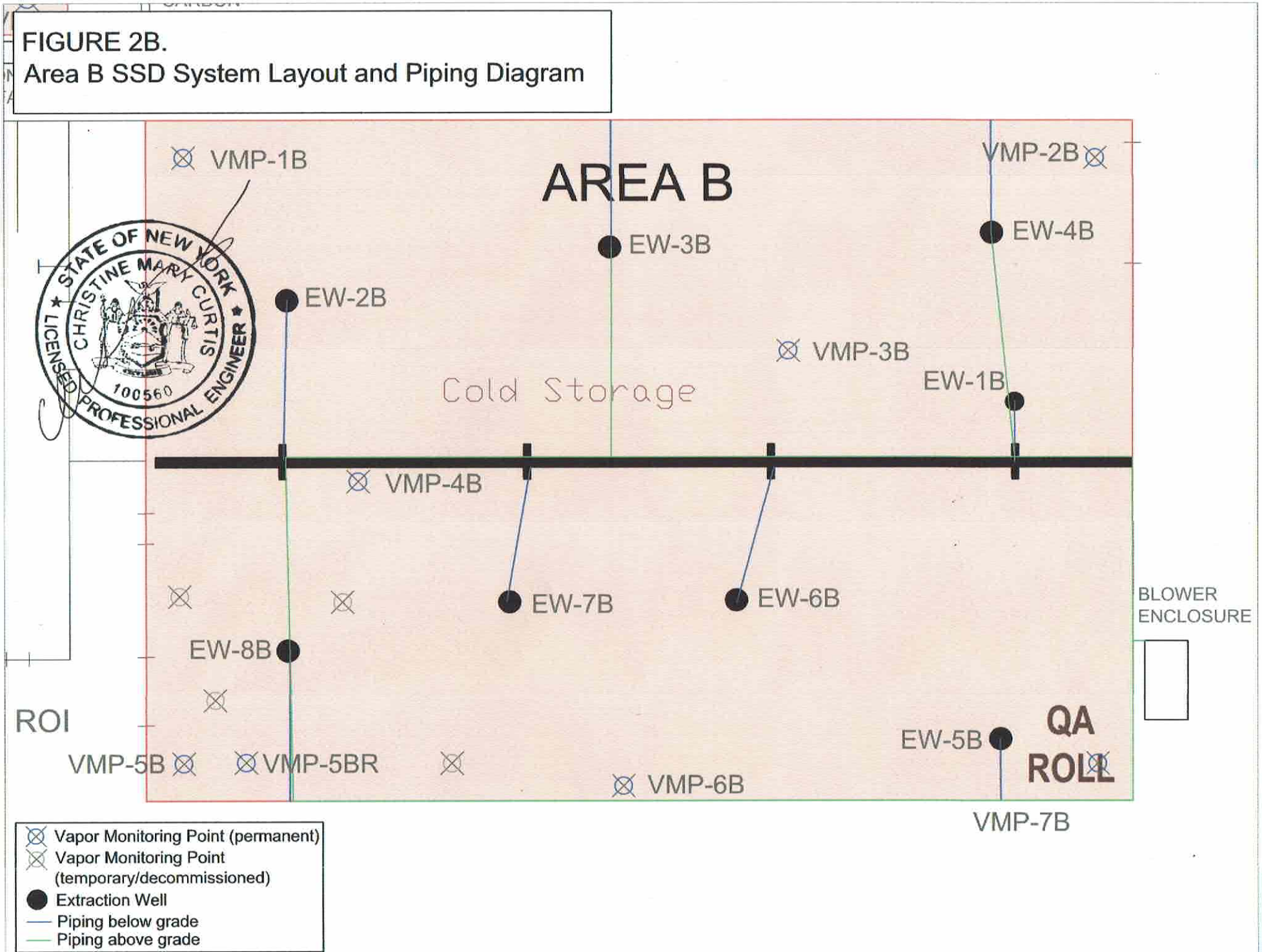


FIGURE 2C.
Area C SSD System Layout and Piping Diagram

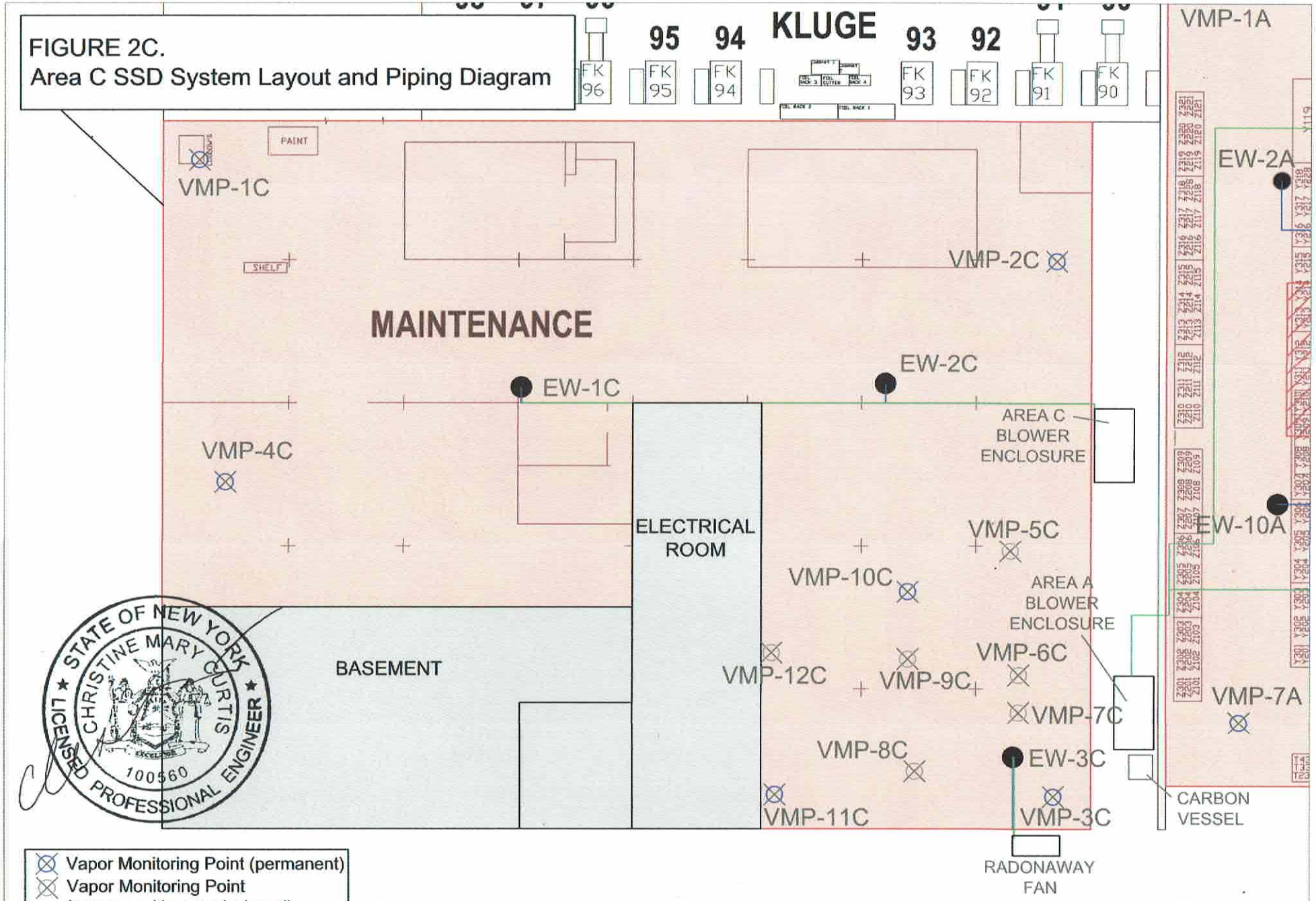


FIGURE 3A.
AREA A SSD SYSTEM LAYOUT - PROFILE VIEW

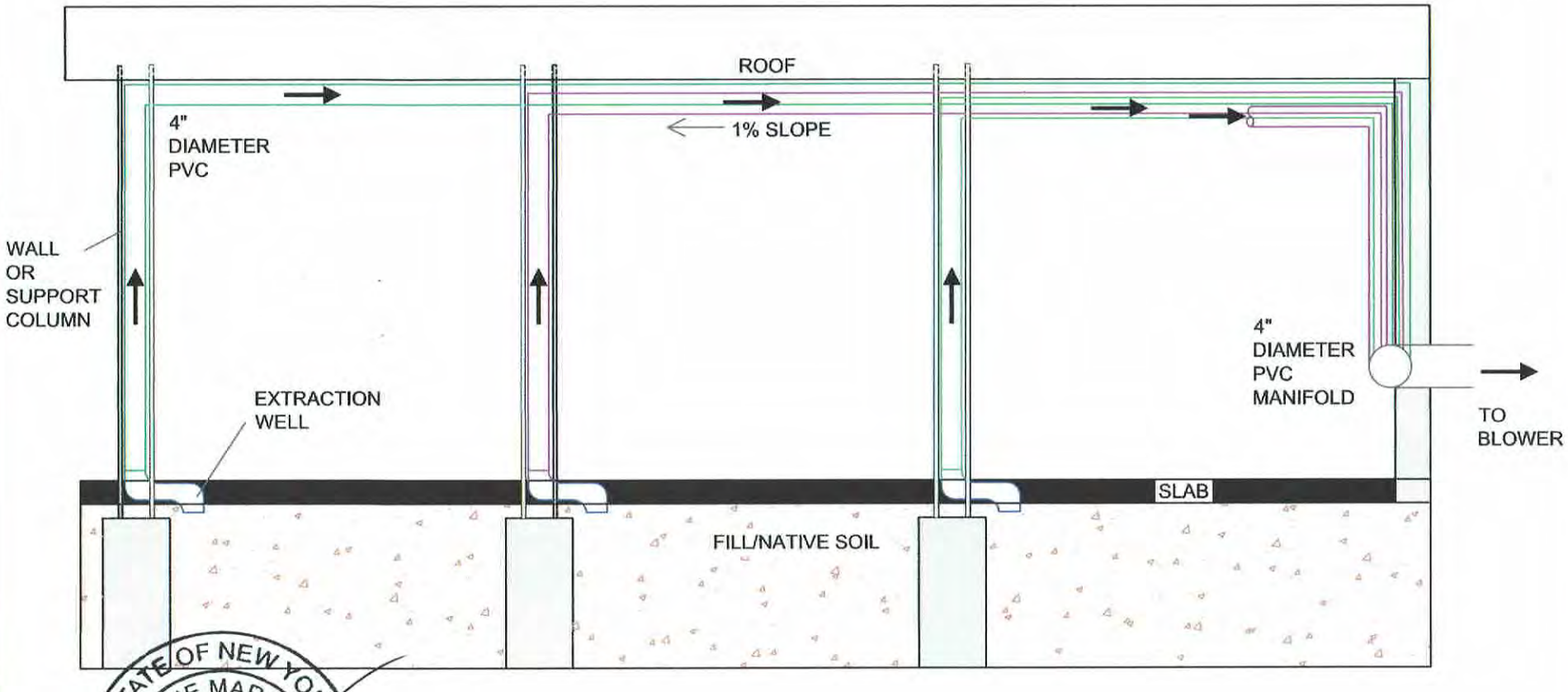


FIGURE 3B.
AREA B SSD SYSTEM LAYOUT - PROFILE VIEW

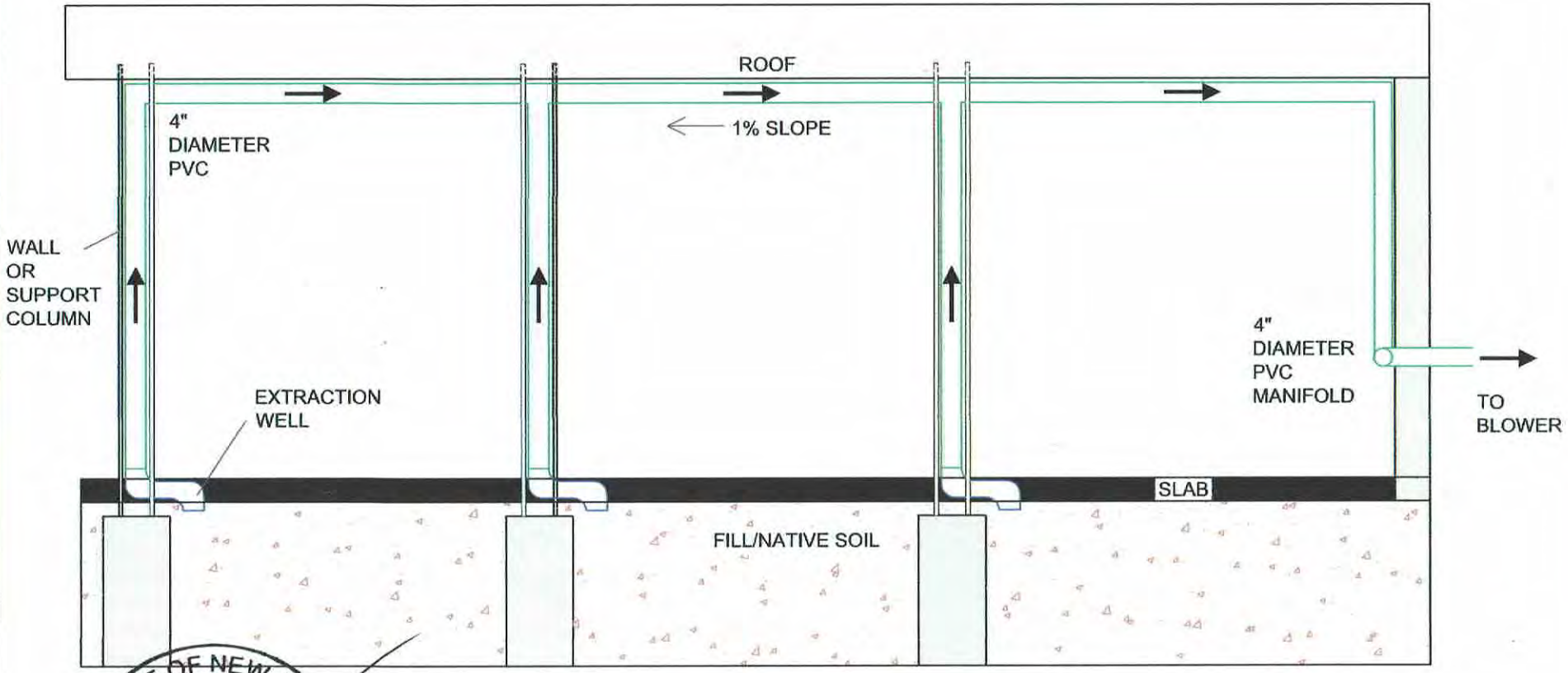


FIGURE 3C.
AREA C SSD SYSTEM LAYOUT - PROFILE VIEW

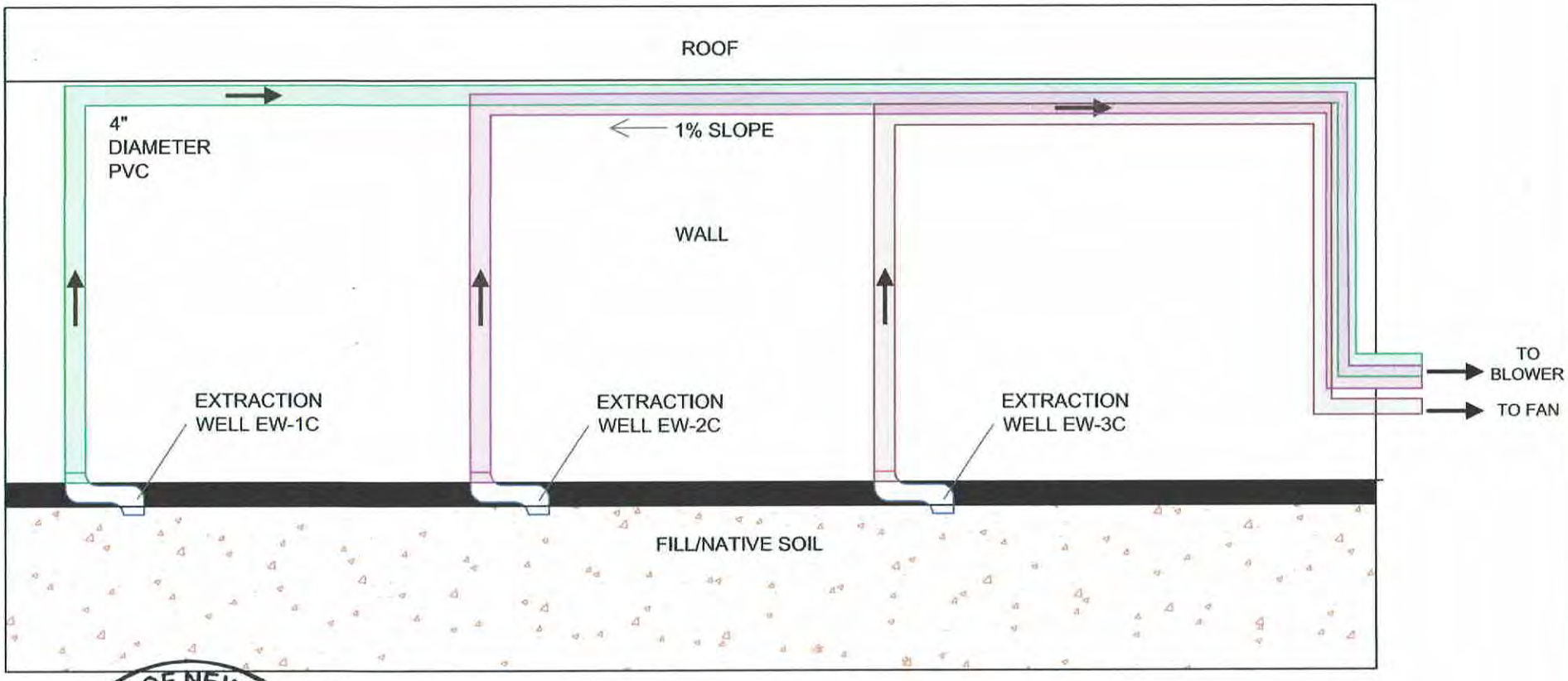


FIGURE 4A
AREA A AND AREA B
PROCESS & INSTRUMENTATION DIAGRAM

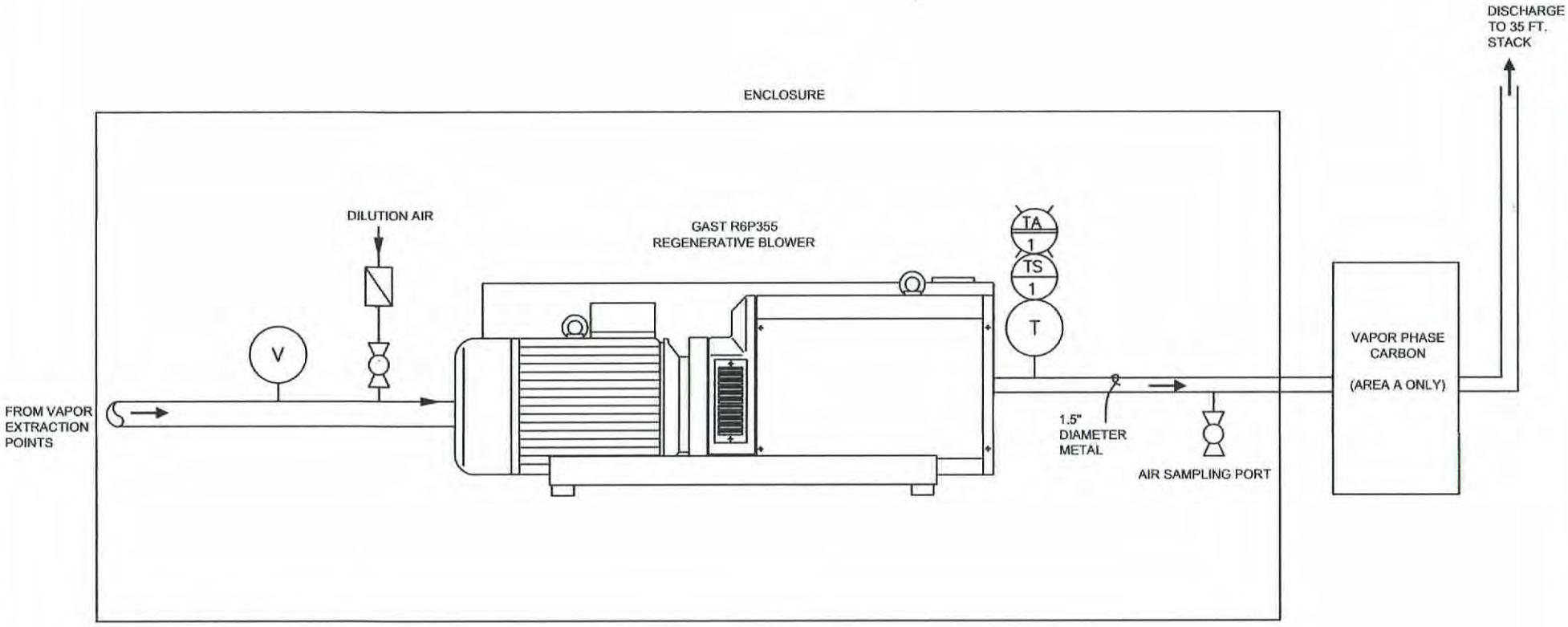
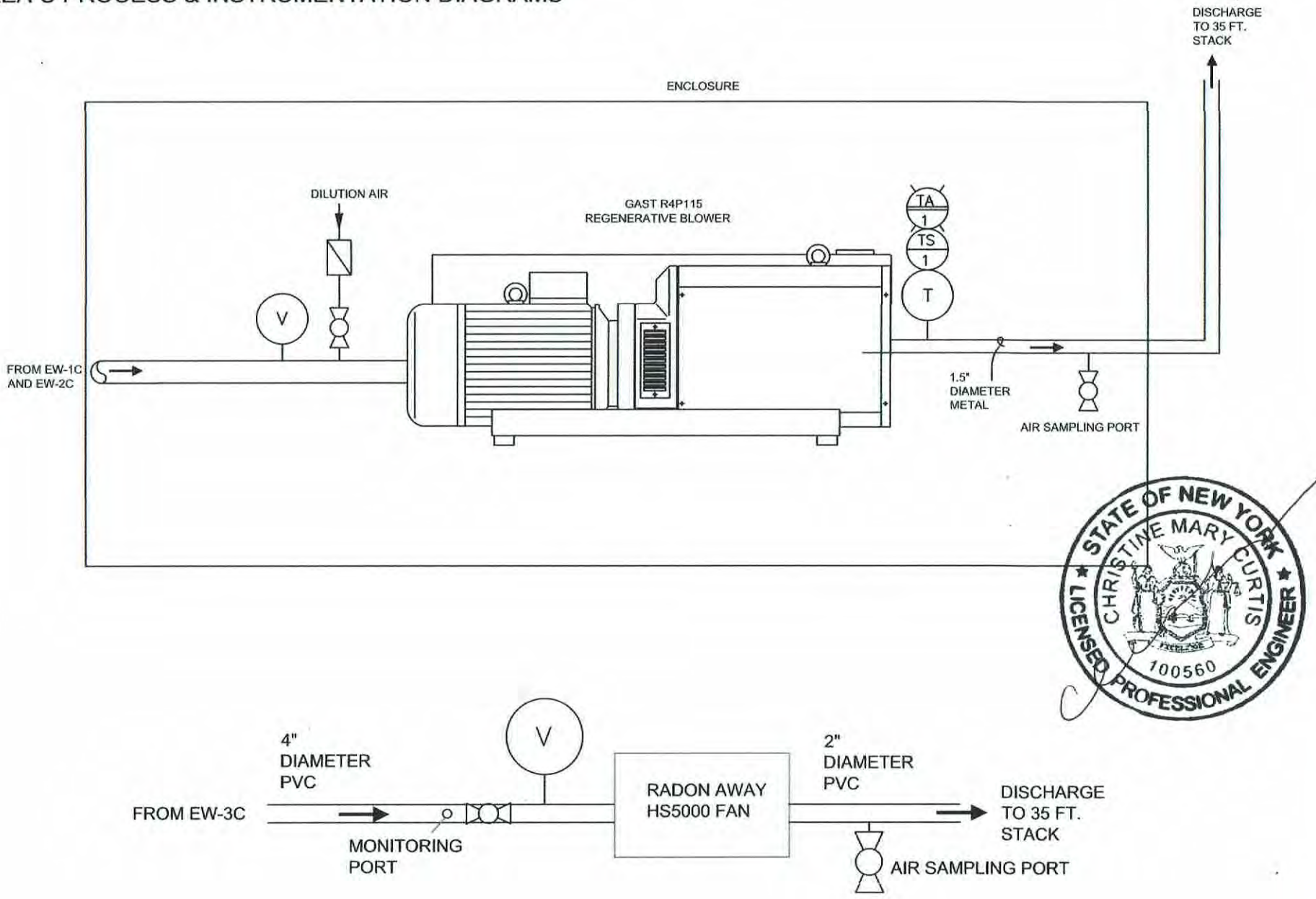


FIGURE 4B
AREA C PROCESS & INSTRUMENTATION DIAGRAMS



TABLES

Table 1A
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Monitoring Results
Area A - Finished Product Storage Area

Date	Extraction Wells (in WC)										Blower (in WC)	Pre-carbon PID Reading (ppm)	Post-carbon PID Reading (ppm)
	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A			
5/17/2023											20	0.0	0.0
6/20/2023	17	18	19	18	18	0	18	19	18	19	20	0.3	0.1
7/5/2023											20	0.0	0.0
8/17/2023											21	0.0	0.0
9/13/2023	19	20	20	20	19	0	20	20	20	20	20	0.0	0.0
10/3/2023											22	0.2	0.3
11/11/2023											20	0.1	0.0
12/12/2023	17	18	19	18	19	0	18	20	17	19	20	0.1	0.0
1/12/2024											21	1.4	0.0
2/8/2024											21	1.1	0.0
3/12/2024	17	18	19	18	18	0	18	20	19	19	21	0.3	0.0
4/9/2024											22	0.6	0.0
4/15/2024	18	19	20	19	18	0.2	19	20	19	20	23	0.1	0.0

Date	Vapor Monitoring Points (in WC)									
	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-8AR	VMP-9A
5/17/2023	NG	NG	NG	NG	NG	NG	-0.032	0.000	N/A	NG
6/20/2023	-0.083	-0.066	-0.085	-0.118	-0.066	+ 0.000	-0.024	-0.013	N/A	-0.133
7/5/2023	NG	NG	NG	NG	NG	+ 0.000	NG	NG	N/A	NG
8/17/2023	NG	NG	NG	NG	NG	+ 0.000	NG	NG	N/A	NG
9/13/2023	-0.097	-0.079	-0.102	-0.14	-0.083	+ 0.000	-0.037	-0.013	N/A	-0.140
10/3/2023	NG	NG	NG	NG	NG	+ 0.000	NG	NG	N/A	NG
11/11/2023	NG	NG	NG	NG	NG	+ 0.000	NG	NG	N/A	NG
12/12/2023	-0.066	-0.140	-0.203	-0.271	-0.141	+ 0.000	-0.019	+ 0.000	N/A	-0.219
1/12/2024	NG	NG	NG	NG	NG	+ 0.000	NG	+ 0.000	N/A	NG
2/8/2024	NG	NG	NG	NG	NG	+ 0.000	NG	-0.017	N/A	NG
3/12/2024	-0.065	-0.045	-0.057	-0.080	-0.039	+ 0.000	-0.023	+ 0.000	N/A	-0.084
4/9/2024	NG	NG	NG	NG	NG	+ 0.000	-0.030	+ 0.000	N/A	NG
4/15/2024	-0.077	-0.149	-0.175	-0.092	-0.045	+ 0.000	-0.027	+ 0.000	-0.014	-0.274

Note:
1. Yellow shading indicates that samples did not meet the minimum 0.002 inches WC
2. Blank space indicates that data was not collected
3. in WC = inches water column; ppm = parts per million;
4. N/A = Not Applicable; NG = Not Gauged

Table 1B
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Monitoring Results
Area B - Cold Storage Garage

Date	Extraction Wells (in WC)								Blower	System Effluent
	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B	(in WC)	PID Reading (ppm)
5/17/2023									29	0.0
6/20/2023	31	32	32	33	32	33	32	32	30	0.0
7/5/2023									44	0.0
8/17/2023									40	0.0
9/13/2023	37	33	38	36	37	39	37	38	34	0.0
10/3/2023									34	0.7
11/11/2023									28	0.0
12/12/2023	36	37	37	38	37	39	37	37	31	0.0
1/12/2024									44	0.2
02/08/204									45	0.1
3/12/2024	36	37	37	38	37	39	37	32	31	0.0
4/9/2024									32	0.0
4/15/2024	36	37	38	38	37	38	37	37	N/A	0.0

Date	Vapor Monitoring Points (in WC)							
	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-5BR	VMP-6B	VMP-7B
5/17/2023	NG	NG	NG	NG	+ 0.000	N/A	NG	NG
6/20/2023	-0.012	-0.045	-0.237	-0.350	+ 0.000	N/A	-0.017	-0.207
7/5/2023	NG	NG	NG	NG	NG	N/A	NG	NG
8/17/2023	NG	NG	NG	NG	-0.014	N/A	NG	NG
9/13/2023	-0.016	-0.062	-0.433	Covered	-0.011	N/A	-0.018	-0.284
10/3/2023	NG	NG	NG	Covered	NG	N/A	NG	NG
11/11/2023	NG	NG	NG	-0.087	NG	N/A	NG	NG
12/12/2023	-0.016	-0.035	-0.089	-0.319	+ 0.000	N/A	-0.018	-0.257
1/12/2024	NG	NG	NG	NG	-0.04	N/A	NG	NG
2/8/2024	NG	NG	NG	NG	NG	N/A	NG	NG
3/12/2024	+ 0.000	-0.001	-0.006	-0.012	+ 0.000	N/A	+ 0.000	-0.009
4/9/2024	+ 0.000	NG	NG	NG	+ 0.000	N/A	-0.016	NG
4/15/2024	-0.036	-0.101	-0.652	-0.864	+ 0.000	-0.058	-0.038	-0.695

Note:
1. Yellow shading indicates that samples did not meet the minimum 0.002 inches WC
2. Blank space indicates that data was not collected
3. in WC = inches water column; ppm = parts per million;
4. N/A = Not Applicable; NG = Not Gauged

Table 1C
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Monitoring Results
Area C - Maintenance Area

Date	Extraction Wells (in WC)			Fan System Effluent PID Reading (ppm)		
	EW-1C	EW-2C	EW-3C	EW-1C	EW-2C	EW-3C
5/17/2023	NG	NG	27	NG	NG	0.0
6/20/2023	0.0	0.0	29	0.0	0.0	0.0
7/5/2023	NG	NG	29	NG	NG	0.0
8/17/2023	NG	NG	29	NG	NG	0.3
9/13/2023	0.0	0.0	29	0.0	0.0	0.0
10/3/2023	35	38	30	27.9	6.7	1.0
11/11/2023	33	36	29	1.1	2.1	0.0
12/12/2023	34	37	29	4.7	2.5	0.1
1/12/2024	34	35	30	2.3	1.8	0.4
2/8/2024	43	46	30	1.6	1.2	0.2
3/12/2024	43	46	31	3.8	2.8	0.5
4/9/2024	44	46	30	0.4	0.0	0.0
4/15/2024	43	45	30	0.0	0.0	0.0

Date	Vapor Monitoring Points (in WC)					
	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
5/17/2023	NG	NG	NG	NG	NG	NG
6/20/2023	+0.000	+0.000	-0.029	+0.000	-0.024	-0.040
7/5/2023	NG	NG	NG	NG	NG	NG
8/17/2023	NG	NG	NG	NG	NG	NG
9/13/2023	+ 0.000	+ 0.000	-0.03	+ 0.000	-0.019	-0.038
10/3/2023	-0.036	-0.063	NG	-0.040	NG	NG
11/11/2023	-0.024	-0.044	-0.046	-0.043	-0.162	-0.108
12/12/2023	-0.016	-0.046	-0.024	-0.028	-0.063	-0.032
1/12/2024	NG	NG	NG	NG	NG	NG
2/8/2024	NG	NG	NG	NG	NG	NG
3/12/2024	-0.051	-0.073	-0.028	-0.069	-0.067	-0.025
4/9/2024	NG	NG	NG	NG	NG	NG
4/15/2024	-0.091	-0.203	-0.059	-0.163	-0.214	-0.078

Note:
1. Yellow shading indicates that samples did not meet the minimum 0.002 inches WC
2. Blank space indicates that data was not collected
3. in WC = inches water column; ppm = parts per million;
4. N/A = Not Applicable; NG = Not Gauged
5. Please note that EW-1C and EW-2C are connected to a 1.5hp blower and EW-3C is connected to a fan.

Table 2
Summary of SSD Systems Operations, Monitoring & Maintenance Activities
April 25, 2023 - April 24, 2024

MOD-PAC CORP.
1801 Elmwood Avenue
Buffalo, NY

Date	Operations & Maintenance Activity
8/22/2023	Removed EW-1C and EW-2C fans and installed 1.5 hp GAST R4P115 regenerative blower.
8/24/2023	Dilution air valves were installed on the Area C blower.
9/14/2023	The Area C blower, which was found to be not operational during an inspection on September 13 due to a mechanical issue with the in-line timer, was restarted.
10/26/2023	The Area C blower was relocated to an equipment shed.
March 2024	Floor cracks in Area A and Area B were sealed with an epoxy-based sealant by MOD-PAC personnel.
4/10/2024	Replacement vapor monitoring points were installed in Area A and Area B to address vacuum levels below the target vacuum in VMP-8A and VMP-5B.
4/15/2024	The EW-3C fan, which had been deactivated during a floor sealing event the week of April 8th, was reactivated.

Date	Monitoring Activity
5/17/2023	Monthly systems inspection.
6/20/2023	Quarterly systems inspection. Pre-carbon and post-carbon air samples were collected from the Area A system and submitted for laboratory analysis.
7/5/2023	Monthly systems inspection.
8/17/2023	Monthly systems inspection.
9/13/2023	Quarterly systems inspection. Pre-carbon and post-carbon air samples were collected from the Area A system and submitted for laboratory analysis.
10/3/2023	Monthly systems inspection.
11/11/2023	Monthly systems inspection.
12/12/2023	Quarterly systems inspection. Pre-carbon and post-carbon air samples were collected from the Area A system and submitted for laboratory analysis.
12/27/2023	Indoor air sampling was completed in Area C.
1/12/2024	Monthly systems inspection.
2/8/2024	Monthly systems inspection.
2/25/2024	The indoor air sampling event in Area C was repeated.
3/12/2024	Quarterly systems inspection. Pre-carbon and post-carbon air samples were collected from the Area A system and submitted for laboratory analysis.
4/15/2024	Annual systems inspection.

APPENDIX A

Site Inspection Reports

MOD-PAC CORP.
1801 Elmwood Ave., Buffalo NY
BCP Site #C915314
METI Project #15017

Inspection Performed By: Steven L. Marchetti (name)
Vice President / Sr. Project Manager (title)
Matrix Environmental Technologies Inc. (company)

Others Present: ~~[illegible]~~ Environmental Advantage (company)
Mary Szustak (name)
(title)
(company)

Inspection Date: 4/15/24
Type of Inspection: Annual / Non-Routine Inspection

Area A
Description of Engineering Controls:

Type of engineering control?
Sub-slab depressurization system (1 blower, 10 extraction wells)

Are the engineering controls still in place? Yes

Is the Site Management Plan still in place? yes

Repair or Maintenance Performed: None Required

Intrusive Activities Performed: None

Area B
Description of Engineering Controls:

Type of engineering control?
Sub-slab depressurization system (1 blower, 8 extraction wells)

Are the engineering controls still in place? Yes

Is the Site Management Plan still in place? Yes

Repair or Maintenance Performed: None Performed

Intrusive Activities Performed: None

Area C

Description of Engineering Controls:

Type of engineering control?
Sub-slab depressurization systems (3 fans, 3 extraction wells)

Are the engineering controls still in place? Yes

Is the Site Management Plan still in place? Yes

Repair or Maintenance Performed: None Performed

Intrusive Activities Performed: None

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Annual Engineering Control Inspection

Representatives: Steve Marchetti. (Matrix) + Mary Szustak (EA)
Date of Inspection: 4/15/24

Area A

Extraction Well Location	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A
Magnehelic Pressure Gauge Reading (InH_20)	18	19	20	19	18	0.2	19	20	19	20

Vapor Monitoring Point Location	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-8AR	VMP-9A
Manometer Reading (InH_20)	-0.077	-0.149	-0.175	-0.092	-0.045	0.000	-0.027	0.000	-0.014	-0.274

General Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.1
2. Post-Carbon OVM Reading (ppm): 0.0
3. Blower Gauge Reading in inches of water (InH_20): 23
4. Quarterly pre- and post-carbon Tedlar Bag samples taken (Y/N)? N

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Area B

Extraction Well Location	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B
Magnehelic Pressure Gauge Reading (InH_20)	36	37	38	38	37	38	37	37

Vapor Monitoring Point Location	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-5BR	VMP-6B	VMP-7B
Manometer Reading (InH_20)	-0.036	-0.101	-0.652	-0.864	- 0.000	-0.058	-0.038	-0.695

General Monitoring Checklist:

1. OVM Reading (ppm): 0.0
2. Blower Gauge Reading in inches of water (InH_20): N/A

General Comments (leaks, defective gauges/fans, positive pressure readings?): Blower B was inaccessible, Matrix/EA did not have the key to enter the remediation shed. The blower was operating.

Area C

Extraction Well Location	EW-1C	EW-2C	EW-3C
Magnehelic Pressure Gauge Reading (InH_20)	43	45	30
OVM Reading (ppm)	0.0	0.0	0.0

Vapor Monitoring Point Location	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
Manometer Reading (InH_20)	-0.091	-0.203	-0.059	-0.163	-0.214	-0.078

General Monitoring Checklist:

1. OVM Reading (ppm): 0.0
2. Blower Gauge Reading in inches of water (InH_20): No gauge for EW1C + EW2C at the blower – one will be installed

General Comments (leaks, defective gauges/fans, positive pressure readings?):
EW-3C was off upon arrival, but the fan was turned back on by Matrix. The timer switch was off, therefore it was manually shut off. It is suspected that the fan was turned off while cracks in the floor were repaired and not turned back on.

APPENDIX B

Equipment Specifications

GAST MANUFACTURING, INC.
A Unit of IDEX Corporation
Post Office Box 97
Benton Harbor, Michigan
Ph: 269/926-6171
Fax: 269/925-8288

Product Specifications

PART NUMBER: LTD163

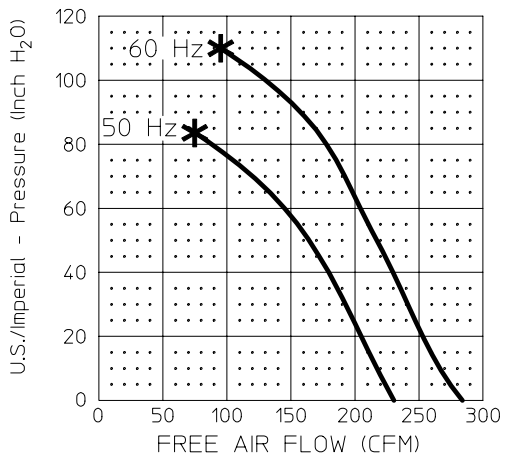
REV. E

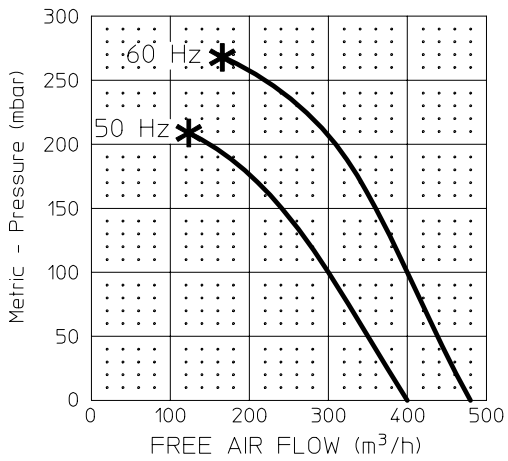
MODEL NUMBER	MOTOR SPECIFICATIONS	RPM	MAX VAC		MAX PRESS		HP	kW	NET WT.	
			"H_2O	mbar	"H_2O	mbar			lbs.	kg
R6P355A	190-220/380-415-50-3	2850	70	174	85	212	6	4,47	215	98
	208-230/460-60-3	3450	90	224	110	274	4.5	3,36		

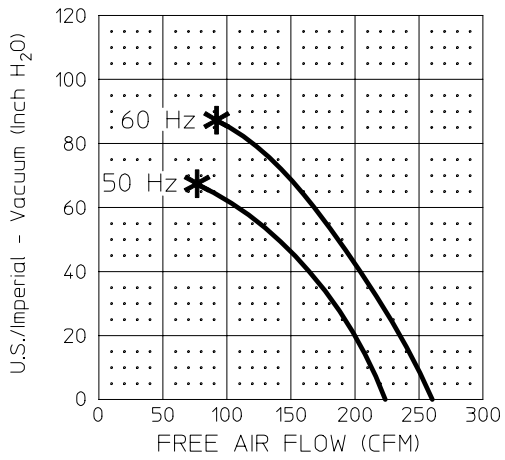
SOUND LEVEL 79/73 dB(A) MAX. @ 60/50 Hz
NORMAL AMBIENT -29°C TO 40°C
RELATIVE HUMIDITY 0% - 100% NON CONDENSING
ENVIRONMENT CLEAN DUST FREE

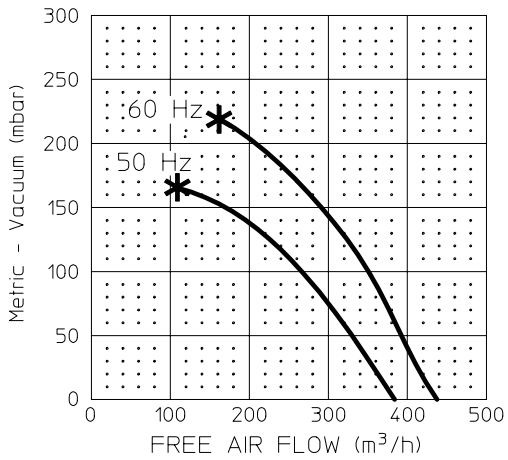
TECHNICAL DATA SUBJECT TO CHANGE WITHOUT NOTICE.

Product Performance (Metric U.S. Imperial)









PERFORMANCE DATA
THE PERFORMANCE DATA SHOWN WAS DETERMINED UNDER THE FOLLOWING CONDITIONS:

LINE VOLTAGE @ 60 Hz. 230V OR 460V FOR 3 PHASE UNITS. 115V OR 230V FOR 1 PHASE UNITS.

LINE VOLTAGE @ 50 Hz. 220V FOR 3 PHASE OR 1 PHASE UNITS.

UNITS IN A TEMPERATURE STABLE CONDITION.

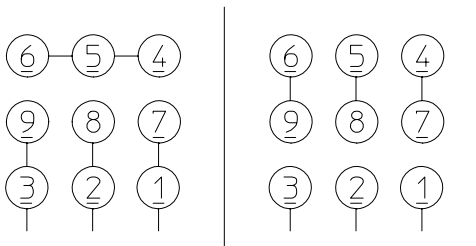
DELIVERY MEASUREMENTS MADE WITH OUTPUT PORT THROTTLED.

SUCTION MEASUREMENTS MADE WITH INPUT PORT THROTTLED.

TEST CONDITIONS: INLET AIR DENSITY @ 0.075 lbs. per cu. ft. [20°C (68°F), 29.92" Hg (14.7 PSIA)].

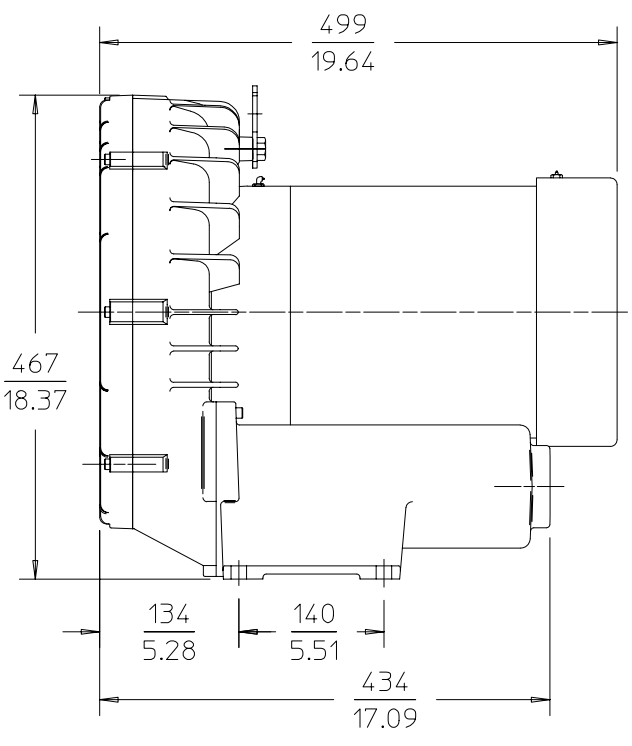
NORMAL PERFORMANCE VARIATIONS ON THE RISISTANCE CURVE WITHIN ±10% OF SUPPLIED DATA CAN BE EXPECTED.

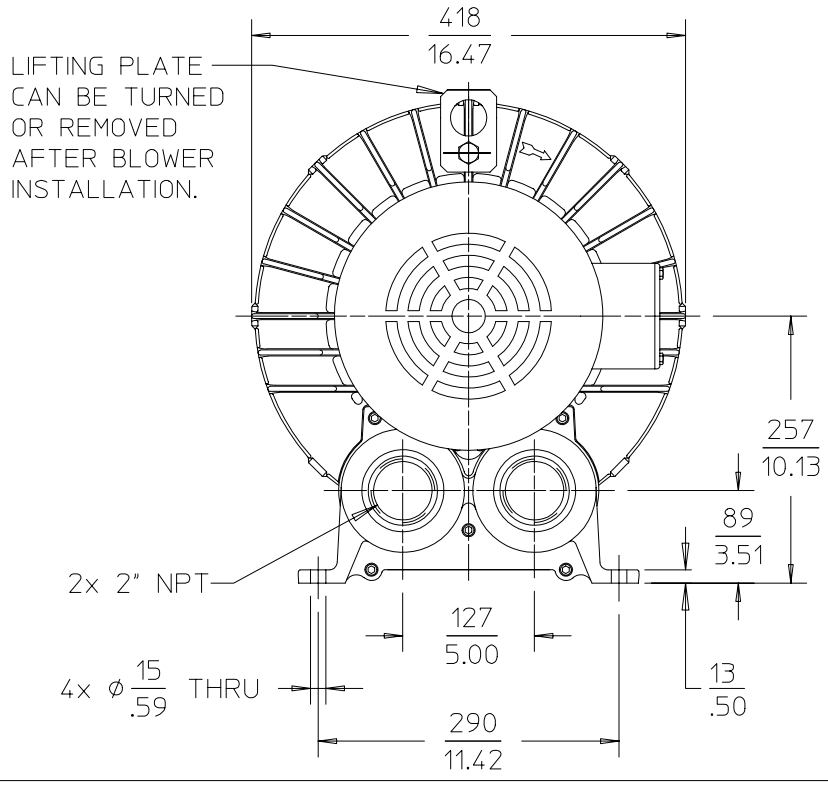
* DENOTES RECOMMENDED MAXIMUM DUTY



Product Dimensions

Metric (mm) U.S. Imperial (inches)





GAST MANUFACTURING, INC.
A Unit of IDEX Corporation
Post Office Box 97
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Ph: 269/926-6171
Fax: 269/925-8288

PART NUMBER: LTD144

REV. E

Product Specifications

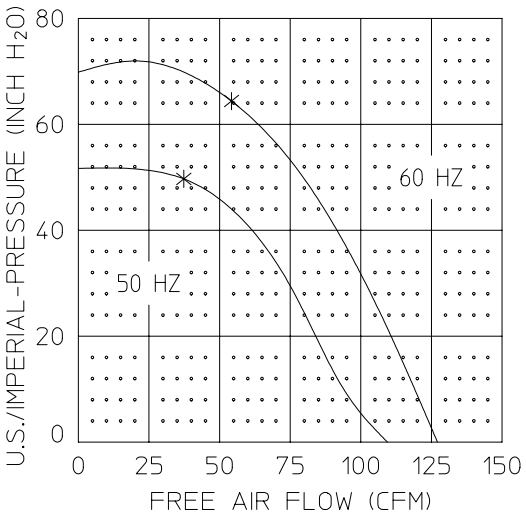
MODEL NUMBER	MOTOR SPECIFICATIONS	RPM	MAX VAC		MAX PRESS		HP	kW	NET WT.	
			"H_2O	mbar	"H_2O	mbar			lbs.	kg
R4P115	110/220-240-50-1	2850	45	112	50	125	1.0	0,75	62	28,2
	115/208-230-60-1	3450	60	149	65	162	1.5	1,1		

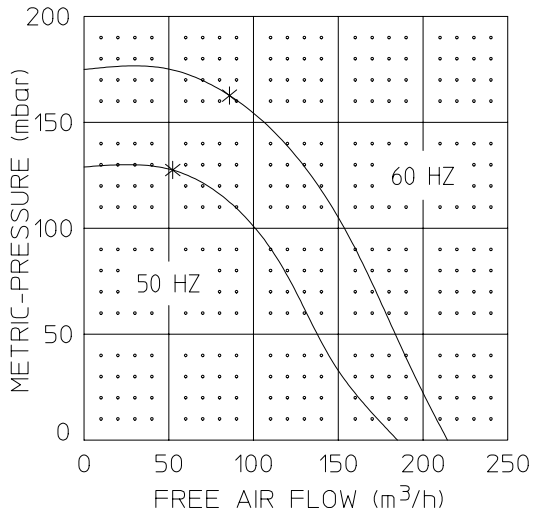
SOUND LEVEL 74/72 dB(A) MAX. @ 60/50 Hz
NORMAL AMBIENT -29°C TO 40°C
RELATIVE HUMIDITY 0% - 100% NON CONDENSING
ENVIRONMENT CLEAN DUST FREE

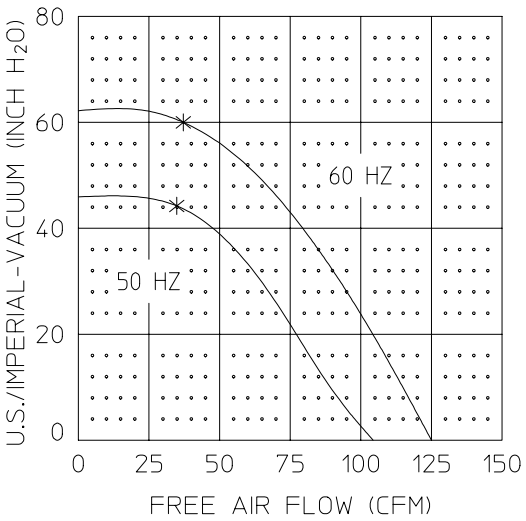
TECHNICAL DATA SUBJECT TO CHANGE WITHOUT NOTICE.

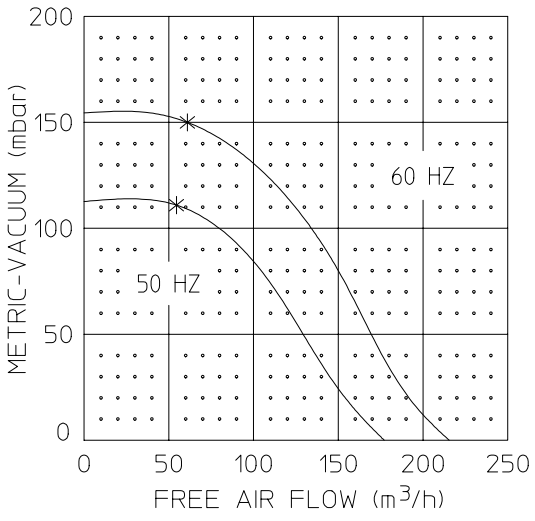
✳= RECOMMENDED MAXIMIUM DUTY

Product Performance (Metric U.S. Imperial)









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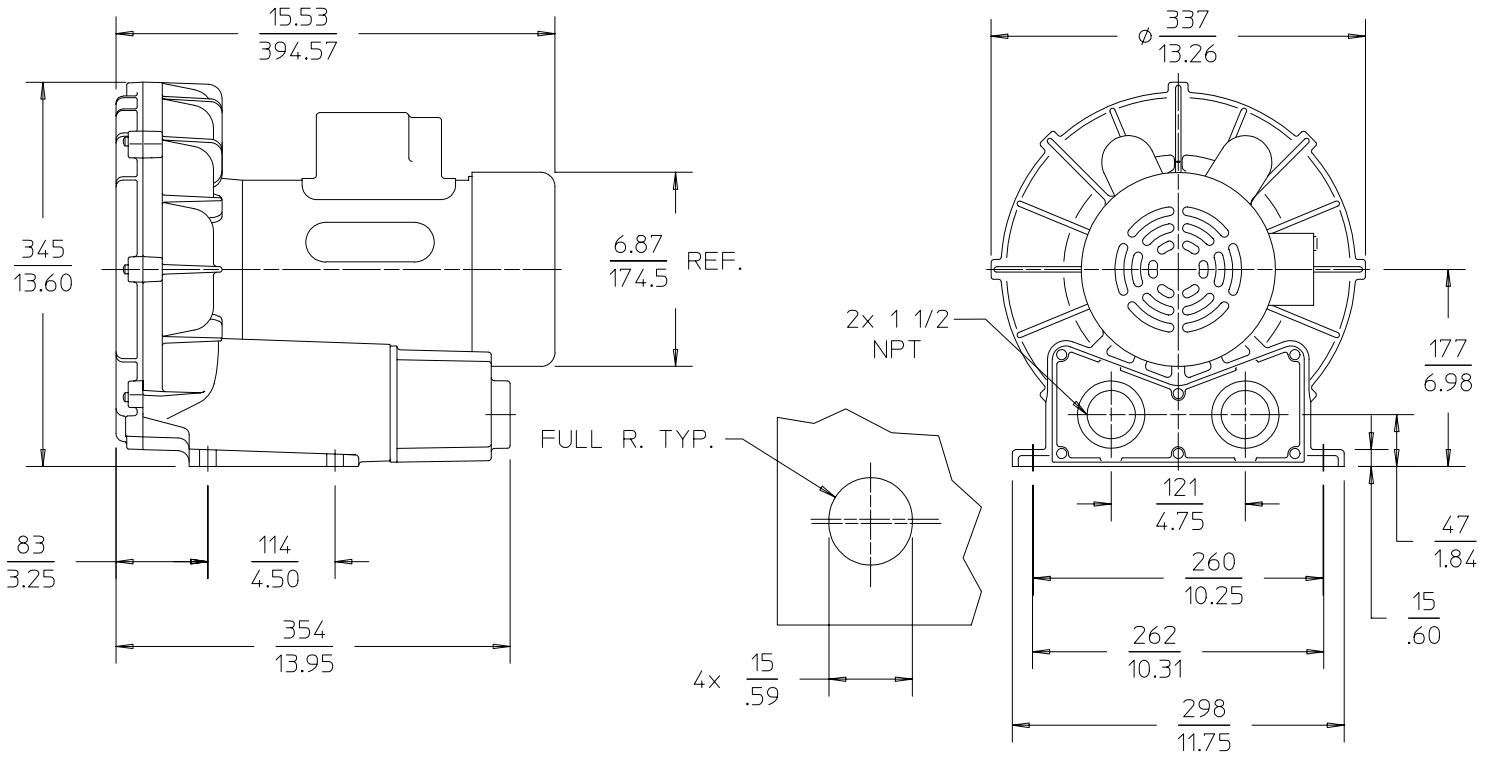
NORMAL PERFORMANCE VARIATIONS ON THE RISISTANCE CURVE WITHIN ±10% OF SUPPLIED DATA CAN BE EXPECTED.

Product Dimensions

Metric (mm) / U.S. Imperial (inches)

LOW VOLTAGE, SINGLE PHASE
P1 — LINE
P2 ┐ TIE TOGETHER
T3 ┘ & INSULATE
T2 ┐ LINE
T4 ┘

HIGH VOLTAGE, SINGLE PHASE
P1 — LINE
P2 — INSULATE
T3 ┐ TIE TOGETHER
T2 ┘ & INSULATE
T4 — LINE



WIRING DIAGRAM

RadonAway
The world's leading radon fan manufacturer

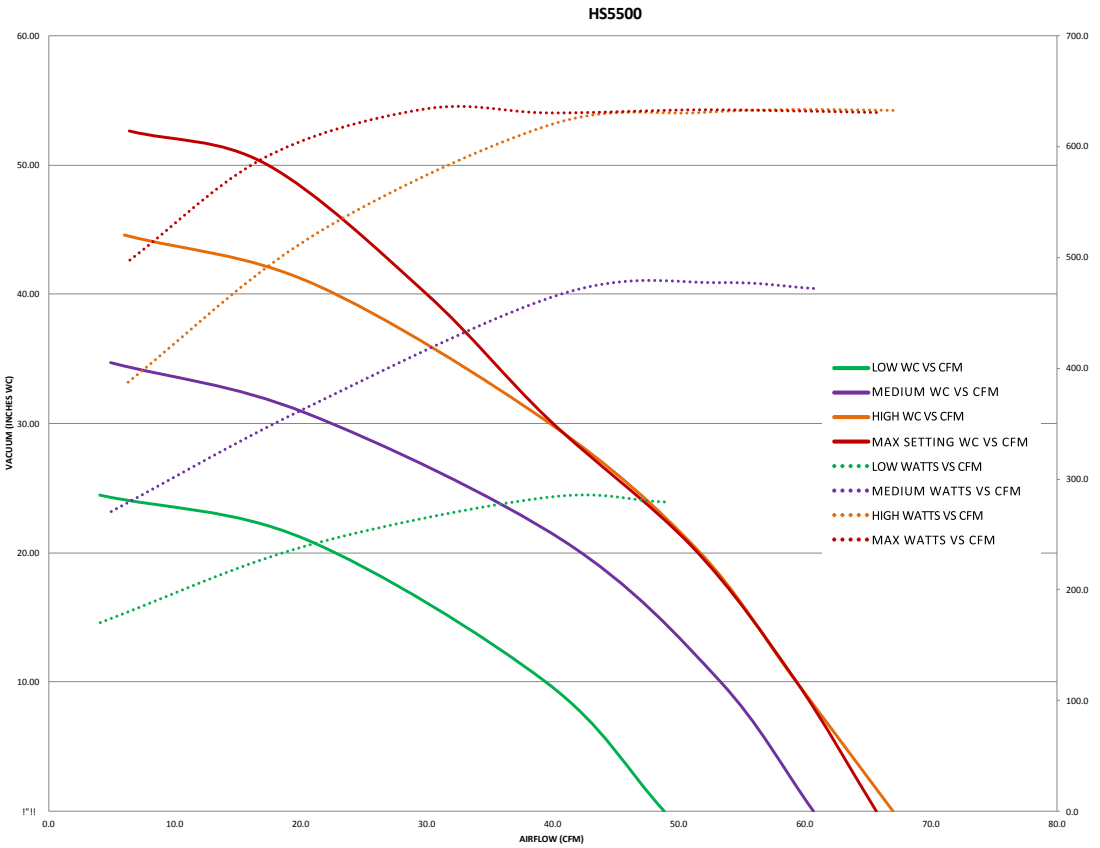
HS5500

RadonAway's new HS5500 is an ETL-listed high pressure blower that has been designed with the professional in mind. The HS5500 features multiple speed settings to meet site-specific pressures and air flows easily verified by a built in pressure gauge in the front cover of the unit. These blower units have a new electrical box design with a wire terminal strip along with two flexible pipe couplings for quick and easy site installation.

HS5500 FEATURES

- 4 Blower Speed Settings
- Integrated Condensate Bypass
- Designed for Easy Motor Replacement
- ETL Listed
- Built-in 60" Vacuum Gauge
- Quiet Operation
- 4-Stage Blower Designed for Harsh Environmental Conditions

SPEED SETTING	MAX RECOMMENDED OPERATING VACUUM	MAX OPERATING RANGE WATTS
LOW	20" WC	243-281
MEDIUM	30" WC	372-477
HIGH	40" WC	527-625
MAX	50" WC	591-632

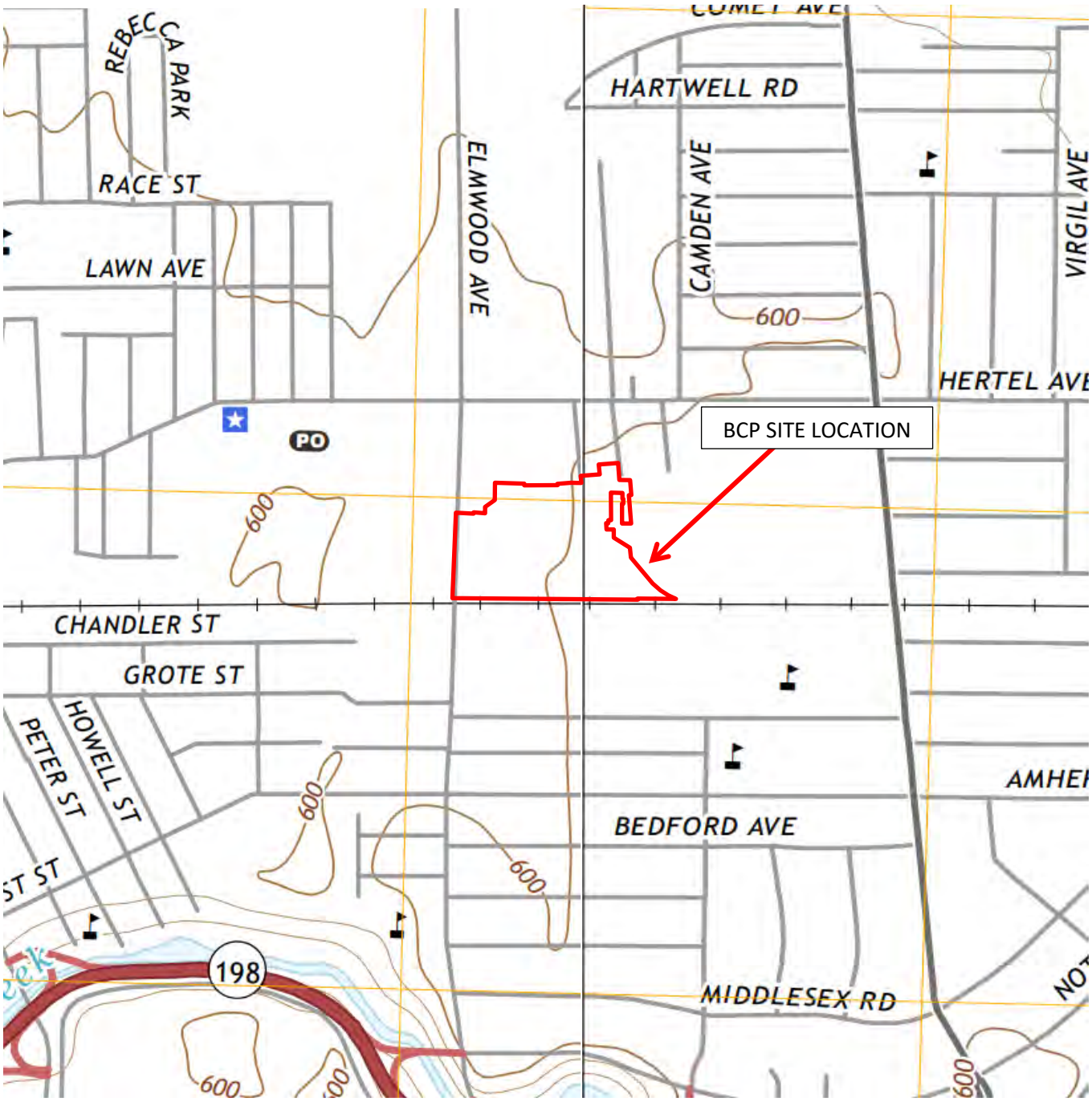


sales@radonaway.com | radonaway.com | 800-767-3703

Rev A 0220
P/N 02085

APPENDIX A

FIGURES



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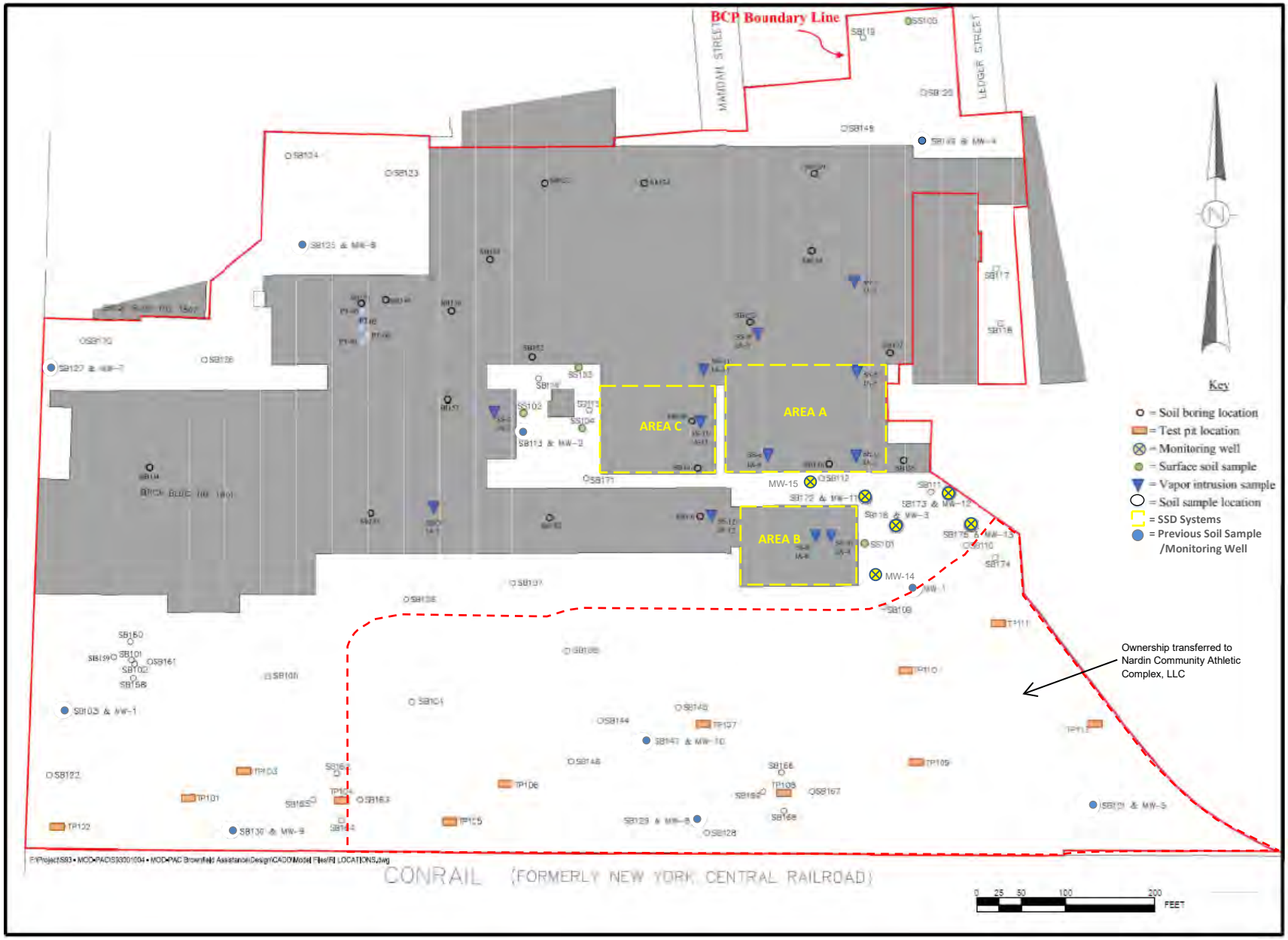
AND WAS ADAPTED FROM USGS, BUFFALO NE & NW, NEW YORK QUADRANGLE (2019)

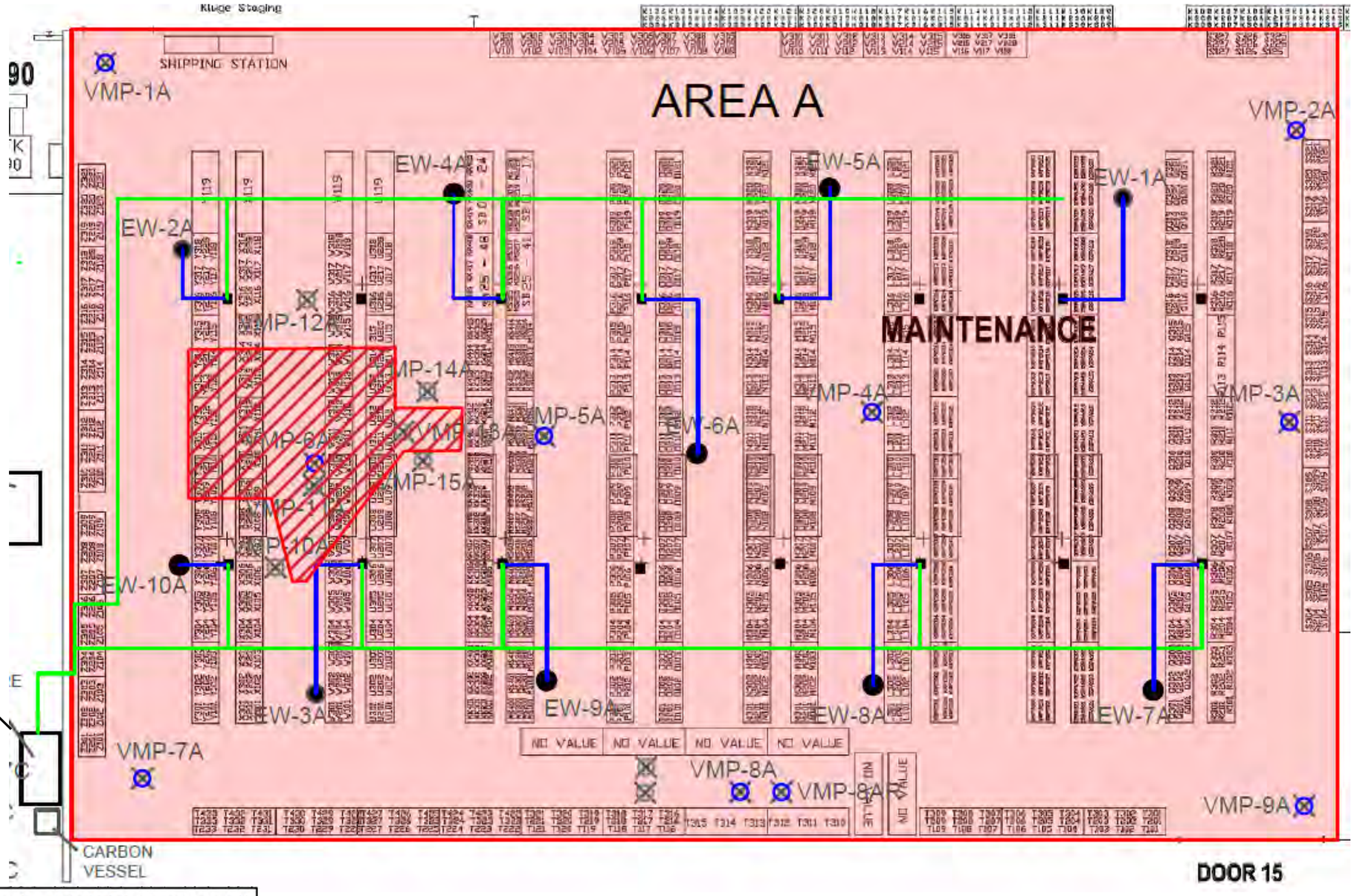
ENVIRONMENTAL ADVANTAGE, INC. *Regulatory Compliance – Site Investigations – Facility Inspections*		
BCP LOCATION PLAN **MOD-PAC, CORP.** 1801 ELMWOOD AVENUE BUFFALO, NEW YORK		
DRAWN BY: MB	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 05/2021	FIGURE NO: 1



ENVIRONMENTAL ADVANTAGE, INC.		
Regulatory Compliance – Site Investigations – Facility Inspections		
BCP SITE PLAN **MOD-PAC, CORP.** 1801 ELMWOOD AVENUE BUFFALO, NEW YORK		
DRAWN BY: MB	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 07/2024	FIGURE NO: 2

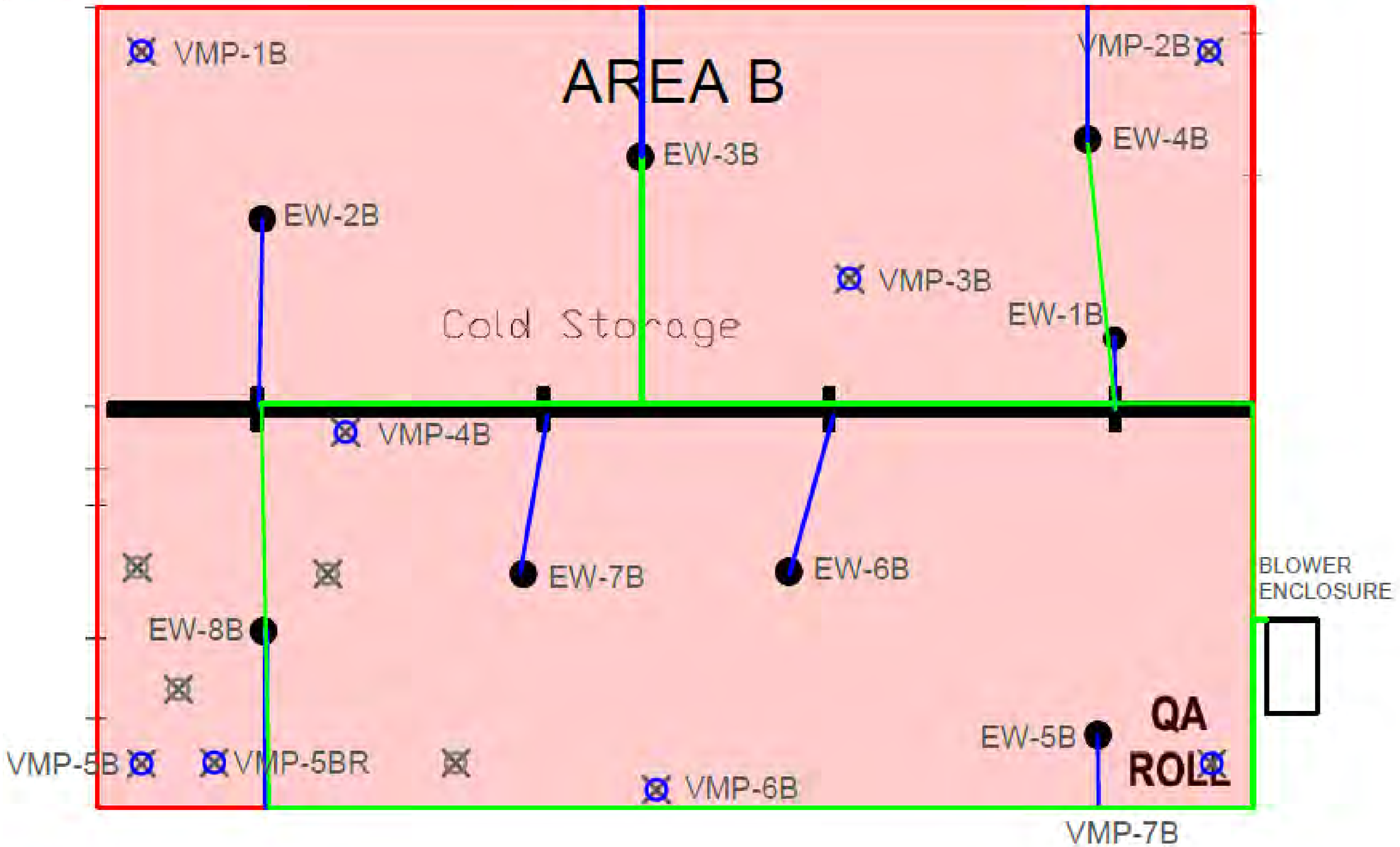
Figure adapted from Figure 3 within the Site Management Plan for MOD-PAC BCP Site No. C915314

THIS FIGURE WAS ADAPTED FROM SUB-SLAB DEPRESSURIZATION SYSTEMS 2024 PERIODIC REVIEW REPORT PREPARED BY MATRIX FOR MOD-PAC CORPORATION (AUGUST 2024)



ENVIRONMENTAL ADVANTAGE, INC. *Regulatory Compliance – Site Investigations – Facility Inspections*		
SSDS AREA A 1801 ELMWOOD AVENUE BUFFALO, NEW YORK		
DRAWN BY: KL	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: MS	DATE: 08/2024	FIGURE NO: 3A

THIS FIGURE WAS ADAPTED FROM SUB-SLAB DEPRESSURIZATION SYSTEMS 2024 PERIODIC REVIEW REPORT PREPARED BY MATRIX FOR MOD-PAC CORPORATION (AUGUST 2024)

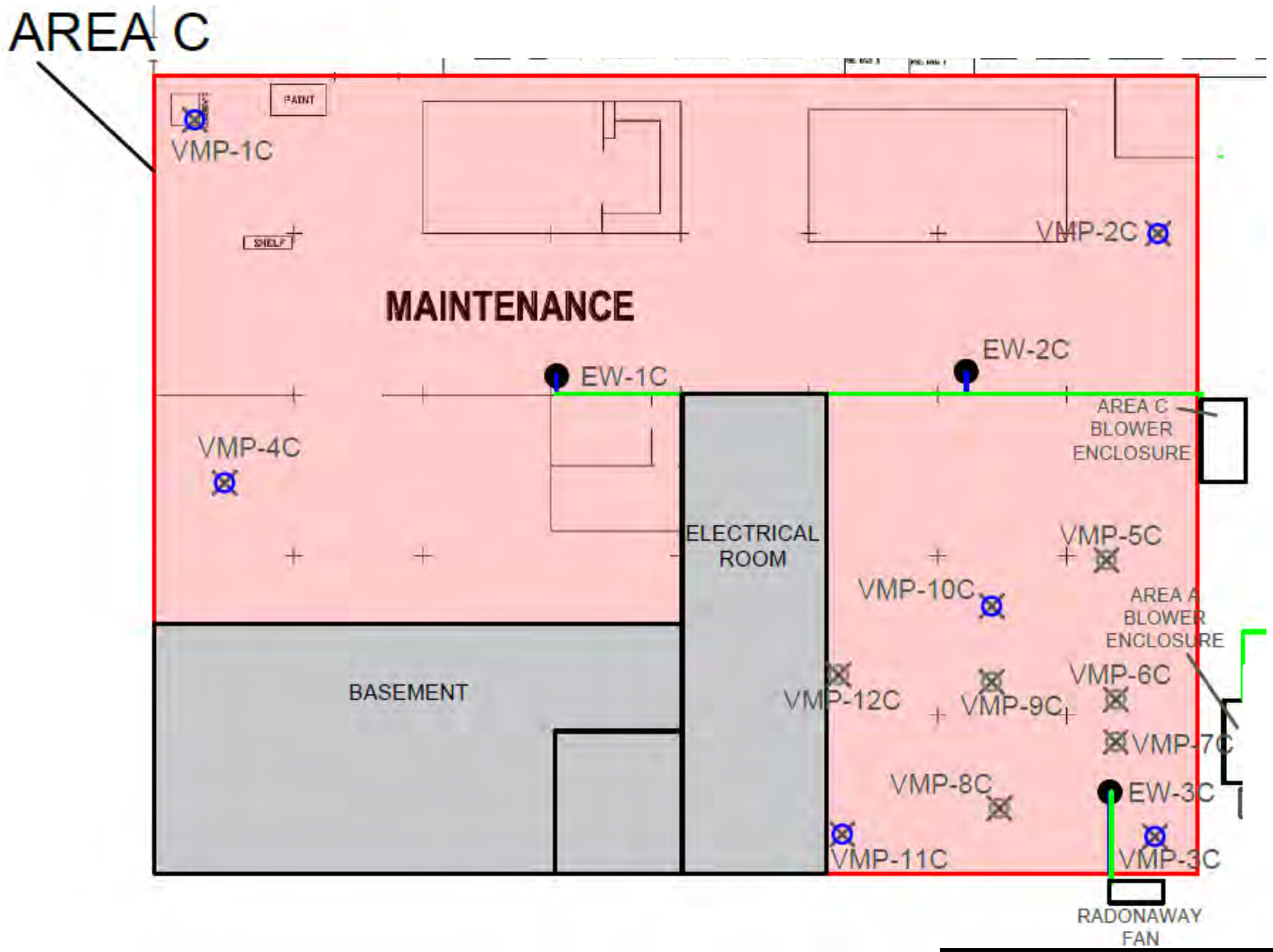


- Vapor Monitoring Point (permanent)
- Vapor Monitoring Point (temporary/decommissioned)
- Vapor Extraction Well
- Piping below grade
- Piping above grade
- Area of Zero Vacuum Influence

ENVIRONMENTAL ADVANTAGE, INC. *Phase I/II Audits – Site Investigations – Facility Inspections*		
SSDS AREA B 1801 ELMWOOD AVENUE BUFFALO, NEW YORK		
DRAWN BY: KL	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: MS	DATE: 08/2024	FIGURE NO: 3B

N

THIS FIGURE WAS ADAPTED FROM SUB-SLAB DEPRESSURIZATION SYSTEMS 2024 PERIODIC REVIEW REPORT PREPARED BY MATRIX FOR MOD-PAC CORPORATION (AUGUST 2024)



- Vapor Monitoring Point (permanent)
- Vapor Monitoring Point (temporary/decommissioned)
- Vapor Extraction Well
- Piping below grade
- Piping above grade
- Area of Zero Vacuum Influence

ENVIRONMENTAL ADVANTAGE, INC. *Phase I/II Audits – Site Investigations – Facility Inspections*		
SSDS AREA C 1801 ELMWOOD AVENUE BUFFALO, NEW YORK		
DRAWN BY: KL	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: MS	DATE: 08/2024	FIGURE NO: 3C

ENVIRONMENTAL ADVANTAGE, INC.

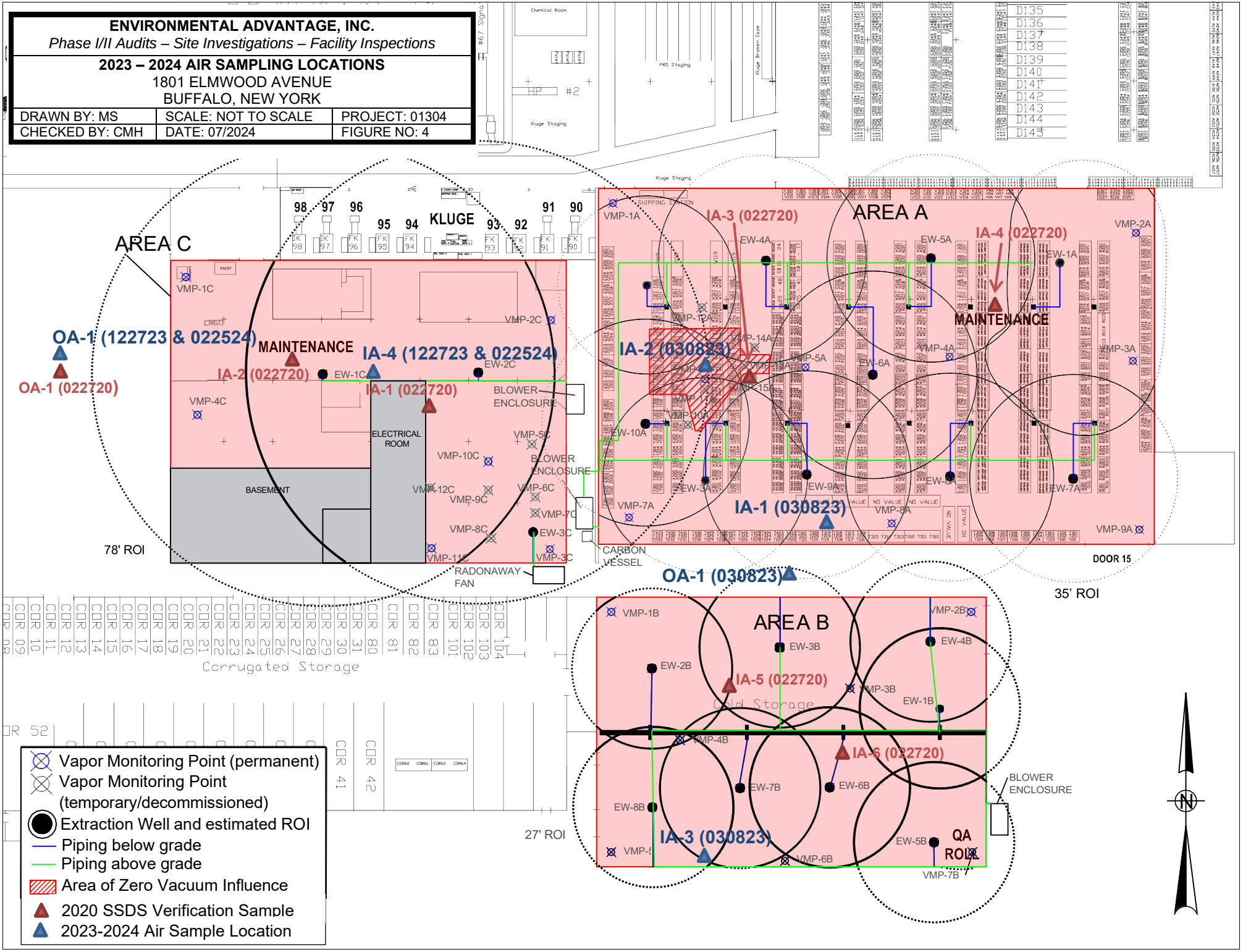
Phase I/II Audits – Site Investigations – Facility Inspections

2023 – 2024 AIR SAMPLING LOCATIONS

1801 ELMWOOD AVENUE

BUFFALO, NEW YORK

DRAWN BY: MS	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 07/2024	FIGURE NO: 4



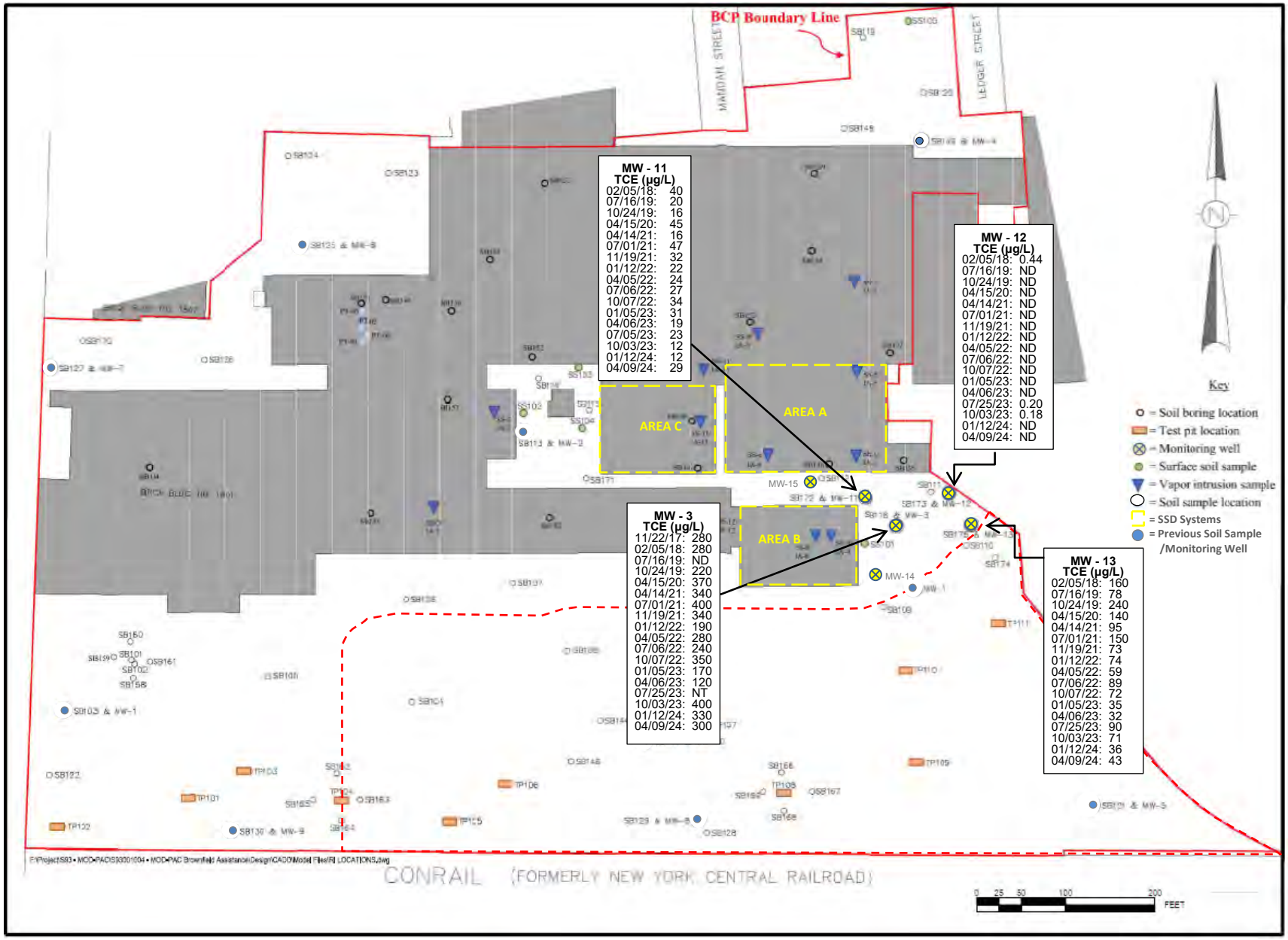


Figure adapted from Figure 3 within the Site Management Plan for MOD-PAC BCP Site No. C915314

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

HISTORICAL TCE CONCENTRATIONS BY LOCATION
MOD-PAC, CORP.
1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: MS	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 11/2024	FIGURE NO: 5

FIGURE 6A

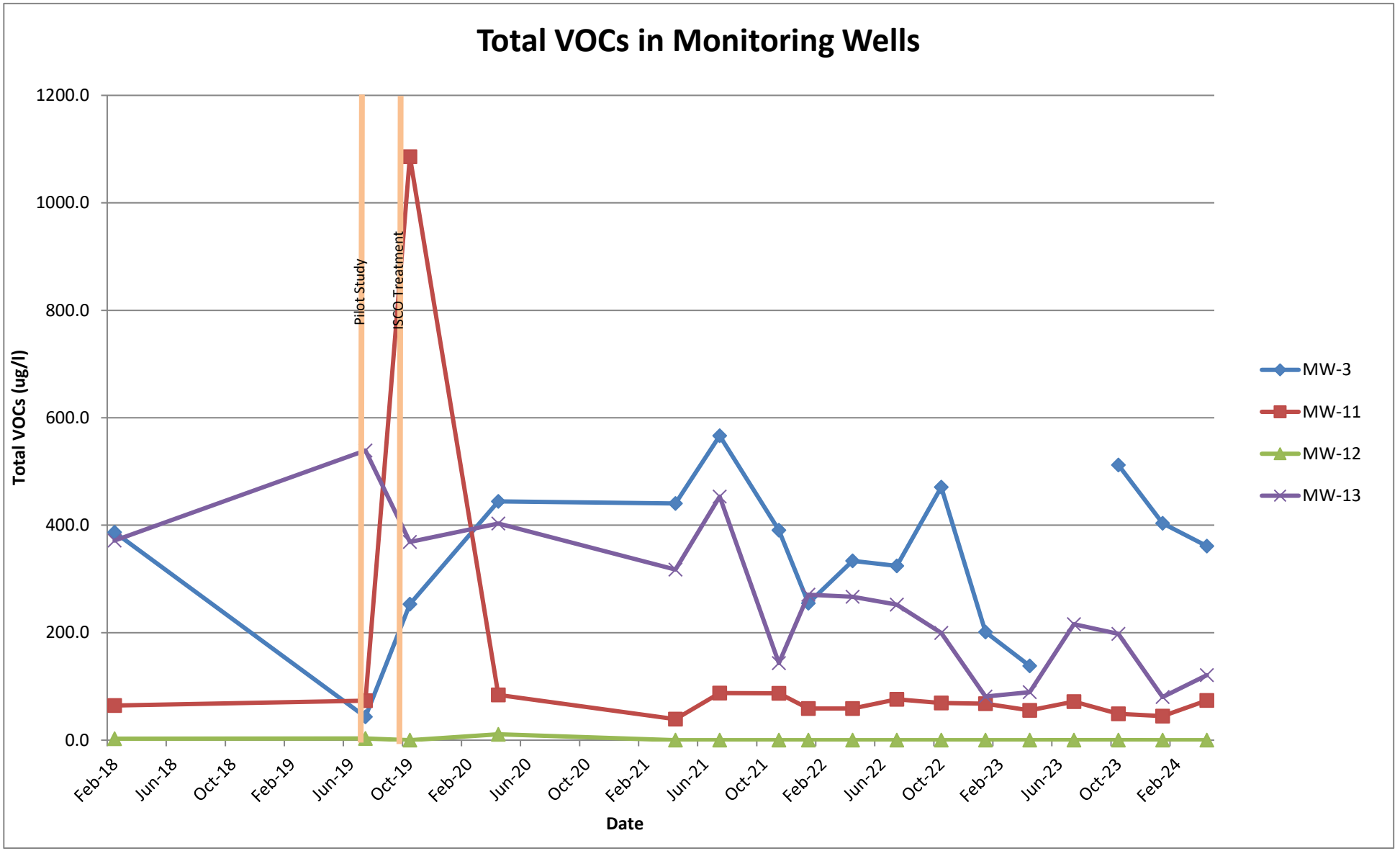
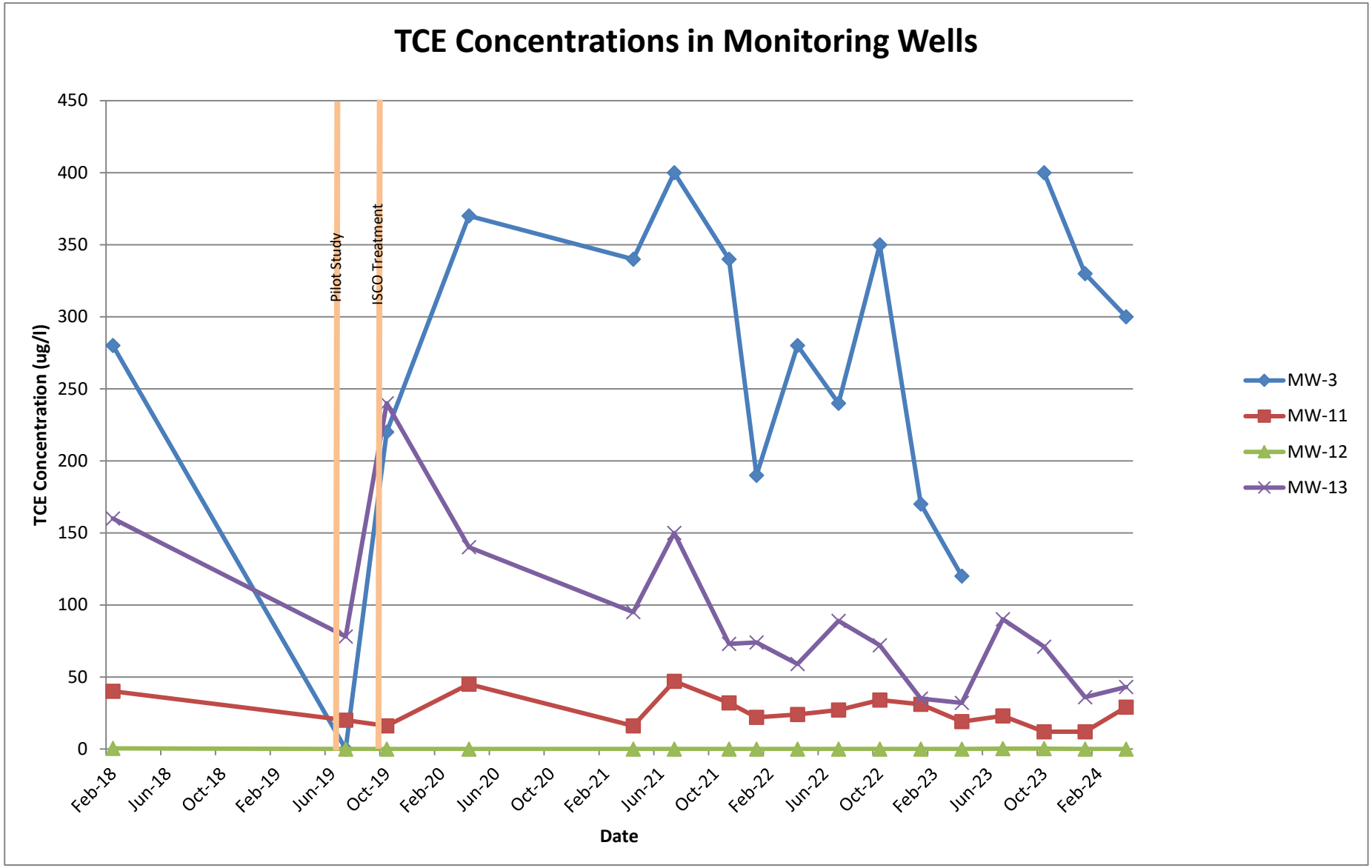

Total VOCs in Monitoring Wells
1200.0
1000.0
800.0
600.0
400.0
200.0
0.0
Total VOCs (ug/l)
Pilot Study
ISCO Treatment
Feb-18
Jun-18
Oct-18
Feb-19
Jun-19
Oct-19
Feb-20
Jun-20
Oct-20
Feb-21
Jun-21
Oct-21
Feb-22
Jun-22
Oct-22
Feb-23
Jun-23
Oct-23
Feb-24
Date
MW-3
MW-11
MW-12
MW-13

FIGURE 6B


TCE Concentrations in Monitoring Wells
TCE Concentration (ug/l)
450
400
350
300
250
200
150
100
50
0
Pilot Study
ISCO Treatment
Feb-18
Jun-18
Oct-18
Feb-19
Jun-19
Oct-19
Feb-20
Jun-20
Oct-20
Feb-21
Jun-21
Oct-21
Feb-22
Jun-22
Oct-22
Feb-23
Jun-23
Oct-23
Feb-24
Date
MW-3
MW-11
MW-12
MW-13

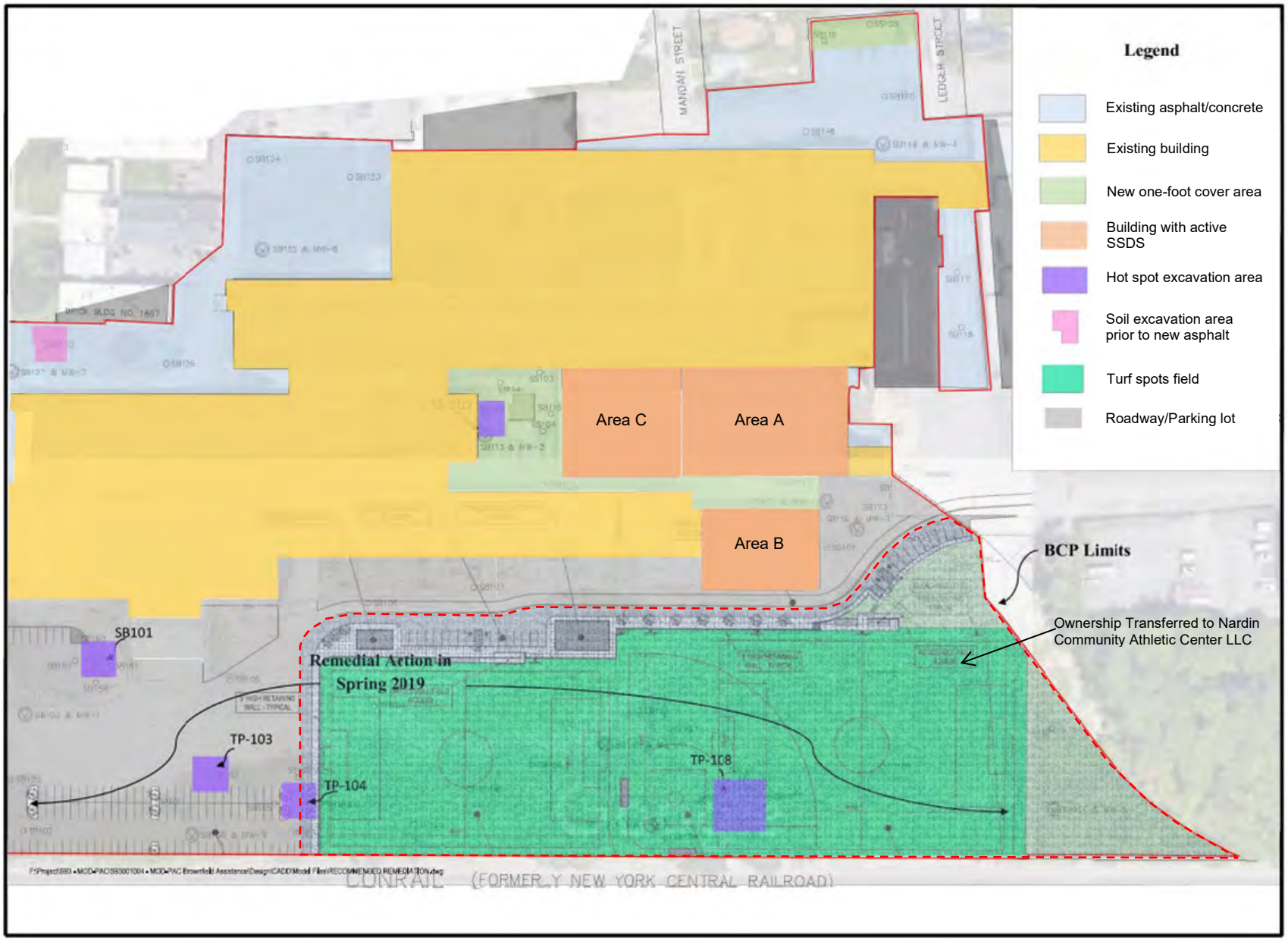


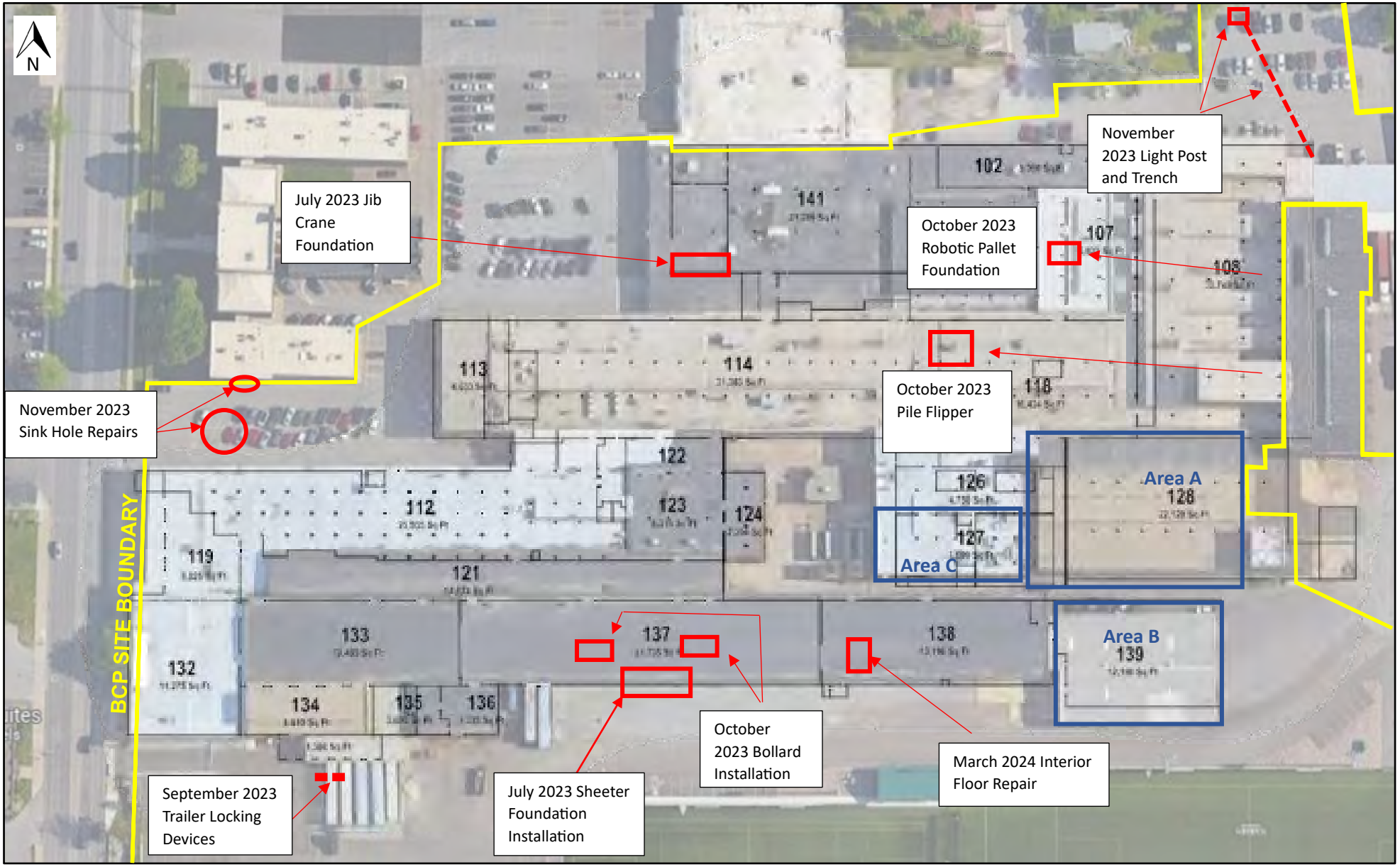
Figure adapted from Figure 6 within the original Site Management Plan for MOD-PAC BCP Site No. C915314 – C&S Engineers, December 2019

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

SITE COVER SYSTEM
MOD-PAC, CORP.
1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: MS	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 07/2024	FIGURE NO: 7



ENVIRONMENTAL ADVANTAGE, INC.

Phase I/II Audits – Site Investigations – Facility Inspections

INTRUSIVE WORK LOCATIONS 2023 - 2024

MOD-PAC, CORP.

1801 ELMWOOD AVENUE

BUFFALO, NEW YORK

DRAWN BY: KL	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: MS	DATE:12/2024	FIGURE NO: 8

APPENDIX B

INSTITUTIONAL CONTROLS/ENGINEERING CONTROLS CERTIFICAITON

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **C915314**

Site Name MOD-PAC CORP.

Site Address: 1801 Elmwood Avenue Zip Code: 14207
City/Town: Buffalo
County: Erie
Site Acreage: 19.727

Reporting Period: April 24, 2023 to April 24, 2024

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C915314 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
78.69-2-3.11	MOD-PAC CORP.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Building Use Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan
78.69-2-3.12	Nardin Community Athletic Complex, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
78.69-2-3.11	Cover System Vapor Mitigation
78.69-2-3.12	Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C915314

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I C. Mark Hanna (print name) at 3636 N Buffalo Road., Orchard Park, NY 14127 (print business address),

am certifying as Designated Representative of the Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

C. Mark Hanna, CHMM
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

08/30/2024
Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Christine Curtis at 95 Brown Road, Ithaca, NY 14850
print name print business address

am certifying as a Professional Engineer for the Owner
(Owner or Remedial Party)

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

8/30/2024
Date

APPENDIX C

TABLES

Table 1
MOD-PAC, Corp. 1801 Elmwood Avenue, Buffalo, NY
Summary of Area A Pre/Post Carbon and Area B Effluent Air Analytical Testing Results

	October 2019 - L1946093			November 2019 - L1952487			December 2019 - L1957660			February 2020 - L2006152			June 2020 - L2027736		September 2020 - L2038512		09/23/2020	December 2020 - L2054640		March 2021 - L2115934		June 2021 - L2131935		September 2021 - L2148116		12/10/2021	December 2021 - L2168195		March 2022- L2212728	
Parameter	**AREA A - PRE**	**AREA A-POST**	**AREA B**	**AREA A-PRE (110519)**	**AREA A-POST (110519)**	**AREA-B (110519)**	**AREA A-PRE (120319)**	**AREA A-POST (120319)**	**AREA B (120319)**	**AREA A-PRE (021120)**	**AREA A-POST (021120)**	**AREA B (120319)**	**AREA A-PRE (063020)**	**AREA A-POST (063020)**	**AREA A-PRE (091520)**	**AREA A-POST (091520)**		**AREA A-PRE (120820)**	**AREA A-POST (120820)**	**AREA A-PRE (033021)**	**AREA A-POST (033021)**	**AREA A-PRE (061121)**	**AREA A-POST (061121)**	**AREA A-PRE (090821)**	**AREA A-POST (090821)**		**AREA A-PRE (121021)**	**AREA A-POST (121021)**	**AREA A-PRE (031022)**	**AREA A-POST (031022)**
Volatile Organics in Air (ug/m^3)																													
1,1,1-Trichloroethane	**1.11**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,1-Dichloroethene	**94.8**	ND	**4.52**	**35.5**	ND	ND	**41.6**	**5.55**	**0.979**	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,2,4-Trimethylbenzene	**2.5**	ND	ND	ND	ND	ND	ND	ND	ND	**48.5**	**30.2**	**56**	**21.8**	**21.5**	**64.4**	**63.4**		**29.7**	**23.7**	**34.4**	**28.8**	**46.1**	**38.9**	**42.4**	**53.1**		**59**	**49.2**	**7.28**	**4.56**
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,3,5-Trimethylbenzene	**1**	ND	ND	ND	ND	ND	ND	ND	ND	**7.87**	**4.7**	**10.2**	**5.7**	**4.75**	**14.5**	17.2		**8.95**	**6.44**	**12.4**	**9.54**	**14.2**	**11.2**	**10.2**	13.6		**21.3**	**17.2**	**2.36**	**1.43**
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
2,2,4-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.976	**2.98**	ND	ND	**3.13**	ND		ND	ND	ND	ND	**3.14**	ND	ND	1.37		**1.37**	ND	ND	ND
2-Butanone	**9.88**	ND	**3.07**	**4.13**	ND	ND	**5.28**	ND	ND	**4.04**	ND	ND	**6.25**	**2.45**	ND	ND		**2.16**	ND	**2.98**	ND	**3.89**	ND	**2.53**	ND		**2.78**	**1.68**	**1.8**	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
3-Chloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
4-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**14.5**	**9.49**	**21.8**	**4.22**	**3.87**	**12.4**	**10.9**		**3.95**	**2.79**	**6.1**	**4.46**	**10.7**	**8.26**	**6**	8.26		**30**	**21.6**	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	**9.71**	ND	**4.47**	ND	ND	3.53		ND	ND	ND	ND
Acetone	**59.4**	**10.5**	**22.7**	**49.9**	ND	**69.8**	**75.5**	**4.44**	**13.3**	**87.4**	ND	**53.4**	**100**	**10.6**	**26.6**	**9.95**		**195**	**12.3**	**73.6**	**12.5**	**73.6**	**20.7**	**38.2**	40.4		**108**	**29.2**	**134**	**10.6**
Benzene	**0.891**	ND	ND	ND	ND	ND	ND	ND	ND	**5.34**	**2.5**	**10.4**	ND	0.987	**4.79**	**2.43**		**1.42**	**0.69**	**2.25**	**1.03**	**10.7**	**4.98**	**2.75**	5.46		**2.58**	**1.04**	ND	ND
Benzyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	**9.71**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	2.17
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	1.29
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	0.835	ND	ND	21.5	ND	**5.82**	6.42	**4.42**	**2.21**		**1.45**	**0.931**	**2.42**	**0.944**	**7.41**	**2.68**	**3.83**	12.5		**4.61**	**2.56**	**1.3**	**0.956**
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	1.26	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Chloroform	**14.4**	ND	ND	**9.86**	ND	ND	**20.3**	**1.69**	ND	**17**	**1.51**	ND	**16.7**	31.8	**20.7**	**17.5**		**27.1**	**1.35**	**38.4**	**12.6**	**46.7**	59.6	**31.5**	42.7		**26.2**	**1.2**	**40.5**	**0.986**
Chloromethane	**0.591**	0.745	ND	ND	ND	ND	ND	0.603	**0.785**	ND	0.446	**1.21**	ND	0.77	ND	0.438		**0.626**	0.630	**0.648**	0.766	ND	0.558	ND	0.564		**0.605**	**0.465**	**0.62**	1.01
cis-1,2-Dichloroethene	**88.8**	ND	ND	**33.5**	ND	ND	**41.6**	**5.55**	**0.979**	**22.5**	**12.5**	ND	**26.1**	63	**19.2**	21.7		**15.1**	ND	**11.2**	11.3	**11.7**	29.1	**10.1**	13.7		**3.87**	ND	**3.26**	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Cyclohexane	**4.23**	ND	ND	**2**	ND	**2.52**	ND	ND	ND	**1.61**	ND	**0.847**	ND	ND	**2.54**	**0.823**		**2.1**	ND	**1.41**	ND	**2.42**	ND	ND	1.29		**1.61**	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Dichlorodifluoromethane	**1.99**	**1.78**	**1.98**	**2.13**	ND	ND	ND	2.1	**2.93**	ND	1.47	**1.99**	ND	2.15	ND	1.61		**2.41**	**2.38**	**1.95**	2.04	**2.06**	**1.87**	**2.64**	**2.14**		**2.1**	ND	**2.35**	2.39
Ethyl Alcohol	**14.3**	23.4	**16**	**22.2**	ND	**61.6**	**43.5**	**34.5**	**10.3**	**63.7**	**40.9**	**30.1**	**143**	**112**	**106**	**81.8**		**91**	**57.1**	**71.6**	86.7	**87.8**	**61.6**	**49.7**	64.1		**79**	**23.2**	**129**	ND
Ethyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	**3.27**	**3.13**	**4.4**	**4.14**	ND	ND		**3.41**	**2.5**	ND	ND
Ethylbenzene	**1.58**	ND	**0.973**	**2.32**	ND	ND	**3.54**	ND	ND	**37.6**	**20**	**60.4**	**6.65**	**5.13**	**17.9**	**13.6**		**16.8**	**5.08**	**15.9**	**6.91**	**19.1**	**11.5**	**9.64**	16.8		**7.12**	**4.17**	**3.61**	ND
Freon-113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Freon-114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Heptane	**14.3**	ND	**2.35**	**9.51**	ND	**6.27**	**18.2**	ND	**1.25**	**16.6**	**1.01**	**14.1**	**5.7**	**1.25**	**6.31**	**1.31**		**24.9**	ND	**7.38**	**0.836**	**6.64**	**1.94**	**1.98**	3.74		**7.09**	ND	**13.2**	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
iso-Propyl Alcohol	**44**	48.2	**28**	**103**	ND	**742**	**275**	**1.96**	**7.03**	**157**	**9.44**	**44.2**	**191**	472	**83.8**	**34.4**		**371**	**32.9**	**253**	**164**	**95.9**	533	**38.8**	95.9		**256**	**16.1**	**283**	**3.22**
Methyl tert butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Methylene chloride	**9.21**	13.2	**9.87**	**3.68**	5.45	**5.35**	ND	4.45	**3.61**	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	1.79	ND	ND	**6.62**	ND		ND	ND	**1.75**	ND
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
n-Hexane	**6.06**	**5.08**	**1.72**	**5.22**	**1.89**	**3.98**	**28.2**	**1.2**	**1.54**	**20.7**	**0.948**	**6.1**	**12.2**	**2.59**	**29.3**	**3.67**		**18.1**	**2.31**	**33.7**	**5.15**	**73.7**	**14.9**	**4.12**	61.3		**17.9**	**2.07**	**7.68**	ND
o-Xylene	**1.55**	ND	**1.64**	**2.35**	ND	**2.81**	**3.14**	ND	ND	**46.5**	**26.9**	**64.7**	**12.1**	**10.2**	**33.1**	**26.6**		**25.5**	**10.5**	**28.9**	**14.9**	**30.9**	**20.4**	**20.1**	31.3		**13.1**	**8.3**	**4.47**	**1.9**
p/m-Xylene	**5.3**	ND	**4.34**	**8.08**	ND	**9.6**	**11.7**	ND	**2.07**	**138**	**77.7**	**181**	**28.1**	**23**	**83.4**	**65.6**		**69.9**	**25.4**	**71.2**	**33.9**	**89**	**57.8**	**48.6**	79.1		**33.2**	**19.8**	**13.9**	**4.6**
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.78**	ND	**0.873**	**3.17**	ND	ND	0.856		**2.14**	ND	ND	ND	**1.9**	**1.14**	**1.29**	**1.23**		ND	ND	ND	ND
tert-Butyl Alcohol	ND	ND	ND	**3.64**	ND	**5.67**	**7.31**	ND	ND	**7.64**	ND	**1.7**	**11.9**	ND	ND	ND		**9.31**	ND	**5.15**	ND	**3.58**	ND	**2.26**	8.94		**11**	**1.73**	**13.5**	ND
Tetrachloroethene	**2.12**	ND	**77.3**	ND	ND	**31.4**	ND	1.97	**12.4**	ND	ND	**10.6**	**5.78**	5.8	**4.95**	**2.3**		**1.69**	ND	**4.12**	ND	**2.63**	ND	**2.28**	ND		ND	ND	**1.75**	ND
Tetrahydrofuran	**47.2**	ND	**9.53**	**12.1**	ND	**4.98**	**13**	**7.73**	ND	**5.84**	**4.72**	**2.01**	**5.43**	106	ND	6.55		**1.55**	ND	ND	ND	ND	2.43	**2.14**	3.19		ND	ND	ND	ND
Toluene	**1.89**	ND	**1.55**	**6.1**	ND	**8.55**	**12.7**	ND	**2.07**	**131**	**66.3**	**168**	**23.2**	**15.8**	**65.6**	**45.2**		**31.3**	**11.5**	**39.2**	**20.1**	**93.5**	**52**	**36.6**	62.2		**37.7**	**20.4**	**14.5**	**2.81**
trans-1,2-Dichloroethene	**6.03**	ND	ND	**2**	ND	ND	ND	ND	ND	ND	3.33	ND	ND	2.67	ND	1.12		**0.852**	ND	ND	1.03	ND	**1.72**	ND	0.841		ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Trichloroethene	**2630**	ND	**554**	**978**	ND	**236**	**1030**	**2.48**	**104**	**656**	**10.8**	**79.5**	**983**	**17.2**	**736**	**133**		**508**	**19.3**	**378**	**22**	**469**	**29.3**	**559**	**1.27**		**259**	**16**	**224**	**7.95**
Trichlorofluoromethane	**1.48**	3.62	**2.69**	ND	2.67	ND	ND	3.47	**1.42**	ND	1.78	**1.37**	**10.2**	**10.7**	**3.36**	4.40		**1.4**	2.51	**1.69**	1.79	**3.53**	**3.47**	**6.07**	**4.08**		**1.78**	ND	**1.4**	ND
Vinyl bromide	ND	ND	ND	**1.78**	ND	**2.55**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	**1.04**	ND	**1.49**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Total Target cVOCs	**2,826.04**	**13.20**	**NC**	**1,051.72**	**5.45**	**NC**	**1,113.20**	**20.00**	**NC**	**678.50**	**23.30**	**NC**	**1,014.88**	**86.00**	**760.15**	**157.00**		**524.79**	**19.30**	**393.32**	**35.09**	**483.33**	**58.40**	**578.00**	**14.97**		**262.87**	**16.00**	**230.76**	**7.95**
Percent Decrease of CVOCs Pre to Post Carbon (%)	**-99.53**		**NC**	**-99.48**		**NC**	**-98.20**		**NC**	**-96.57**		**NC**	**-91.53**		**-79.35**			**-96.32**		**-91.08**		**-87.92**		**-97.41**			**-93.91**		**-96.55**	
Percent Decrease of CVOCs From Baseline (10/2019 Pre)	**NA**		**NC**	**-62.78**		**NC**	**-60.61**		**NC**	**-75.99**		**NC**	**-64.09**		**-73.10**			**-81.43**		**-86.08**		**-82.90**		**-79.55**			**-90.70**		**-91.83**	

Notes:

1. Compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report in appendix.
2. Analytical testing for VOCs via TO-15 completed by Alpha Analytical.
3. Results present in ug/m^3 or microgram per cubic meter.
4. Samples were collected during a 8-hour sample duration.
5. Parameters shaded in red indicate analytes of concern (Target cVOCs). NYSDOH Target cVOCs are included in this calculation, specifically those listed in the NYSDOH "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York", May 2017 Update. Specifically: 1,1,1-Trichloroethane, 1,1-Dichloroethene, Carbon tetrachloride, cis-1,2-Dichloroethene, Methylene chloride, Tetrachloroethene, Trichloroethene, and Vinyl chloride
6. Results in red indicate post carbon result higher than pre carbon result.
7. ND = No Value Above Detection Limit (Non-detect); NA = Not Analyzed; NC = Not Calculated ; D = Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
8. In some instances where the pre-sample is ND and the post sample presents a reportable value, the ND pre-sample may be due to sample dilution. Refer to analytical reports for dilution factors.

Environmental Advantage

Table 1
MOD-PAC, Corp. 1801 Elmwood Avenue, Buffalo, NY
Summary of Area A Pre/Post Carbon and Area B Effluent Air Analytical Testing Results

	June 2022- L2229574		September 2022 L2252350		12/09/2022	December 2022 - L2269445		March 2023 - L2312615		June 2023 - L2335506		September 2023 - L2353358		December 2023 - L2373355		March 2024 - L2413550	
Parameter	**AREA A-PRE (060622)**	**AREA A-POST (060622)**	**AREA A-PRE (092222)**	**AREA A-POST (092222)**		**AREA A-PRE (120922)**	**AREA A-POST (120922)**	**AREA A-PRE (030823)**	**AREA A-POST (030823)**	**AREA A-PRE (062023)**	**AREA A-POST (062023)**	**AREA A-PRE (091323)**	**AREA A-POST (091323)**	**AREA A-PRE (121223)**	**AREA A-POST (121223)**	**AREA A-PRE (031224)**	**AREA A-POST (031224)**
Volatile Organics in Air (ug/m^3)																	
1,1,1-Trichloroethane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	9.83	4.33	4.39		2.89	3.58	2.16	ND	5.8	4.78	4.35	3.34	4.24	2.3	10.9	3.06
1,2-Dibromoethane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	0.999	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	2.7	1.33	1.23		ND	1.55	ND	ND	1.7	1.24	1.15	ND	1.59	ND	4.48	1.26
1,3-Butadiene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	ND	ND	1.22	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.31	ND
2-Butanone	ND	3.27	2.92	3.16		2.08	ND	4.13	ND	4.98	1.79	4.16	2.01	1.86	ND	2.66	ND
2-Hexanone	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Chloropropene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	ND	1.85	ND	ND		ND	ND	ND	ND	1.23	ND	ND	ND	0.998	ND	2.82	ND
4-Methyl-2-pentanone	ND	ND	ND	3.43		ND	ND	ND	ND	2.42	ND	5.49	ND	ND	ND	ND	ND
Acetone	668	58.7	69.6	33.5		196	17.3	466	23.6	112	19.1	62.5	15.9	80.8	18.3	236	37.8
Benzene	ND	1.53	1.56	ND		1.83	0.757	1.45	ND	1.8	1.04	1.29	0.652	0.706	ND	1.04	ND
Benzyl chloride	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	7.51	3.74	8.16	6.26		4.20	0.782	ND	3.21	7.29	2.3	6.17	1.89	3.89	1.4	0.772	0.866
Carbon tetrachloride	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	0.953	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	21.6	1.67	14	31.3		24.4	ND	18.9	ND	15.1	ND	3.97	15.1	3.63	9.96	1.87	4.44
Chloromethane	ND	0.812	0.849	0.518		0.748	0.791	ND	ND	0.772	0.776	0.653	0.586	0.69	0.578	1.39	0.64
cis-1,2-Dichloroethene	ND	0.999	5.27	6.03		3.30	ND	3.71	ND	5.15	1.34	5.19	4.32	3.85	3.16	2.34	4.24
cis-1,3-Dichloropropene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	0.981	ND		0.898	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	3.12	3.2	2.27		2.61	ND	2.53	2.84	3.19	2.91	2.33	1.84	2.62	2.2	2.19	2.88
Ethyl Alcohol	148	119	126	83.8		127	25.1	114	121	61	57.8	51.8	43	28.6	52	107	87.1
Ethyl Acetate	ND	3.6	4.72	ND		170	137	214	170	178	176	50.1	47.2	24.2	38.9	46.1	41.4
Ethylbenzene	ND	3.87	2.21	1.12		3.86	1.21	2.68	ND	4.08	2.24	2.42	1.23	1.52	ND	3.16	1.55
Freon-113	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon-114	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptane	ND	1.75	1.79	ND		9.02	ND	18	ND	1.36	ND	1.23	ND	2.19	ND	8.11	0.91
Hexachlorobutadiene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
iso-Propyl Alcohol	5090	733 D	56.5	157		467	50.9	637	280	213	551	94.9	317	96.8	160	217	438
Methyl tert butyl ether	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	3.07	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
n-Hexane	14.4	4.86	12.5	8.07		27.7	4.44	ND	ND	9.8	7.08	13.5	10.3	6.8	1.74	11.1	ND
o-Xylene	ND	6.34	3.61	2.28		4.60	2.33	3.03	ND	5.73	4.05	3.76	2.22	2.12	1.32	3.61	1.76
p/m-Xylene	18.6	17.3	9.86	5.26		14.8	6.30	10.6	ND	18.2	11.60	11	6.08	6.47	3.69	11.9	5.95
Styrene	ND	0.856	ND	ND		1.26	ND	ND	ND	1.91	0.975	1.32	ND	ND	ND	ND	ND
tert-Butyl Alcohol	20.3	ND	6.55	4.79		16.6	ND	18	ND	4.18	ND	4.55	2.37	3.3	4.37	8.61	11.1
Tetrachloroethene	ND	ND	2.31	ND		2.94	5.51	4.17	ND	2.27	ND	1.67	ND	ND	ND	ND	ND
Tetrahydrofuran	ND	4.16	ND	2.22		ND	ND	ND	ND	2.14	ND	1.91	ND	ND	ND	ND	ND
Toluene	20.3	18.4	11.6	4.37		18.6	4.33	10.9	3.66	15.2	8.89	8.48	5.2	4.52	2.86	11	4.6
trans-1,2-Dichloroethene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	262	18.4	353	29.4		250	8.38	183	ND	327	18.3	313	18.4	248	12.6	152	9.24
Trichlorofluoromethane	ND	5.22	3.73	4.61		1.48	ND	ND	ND	4.81	7.31	5.68	4.78	2.16	1.73	2.81	2.12
Vinyl bromide	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Target cVOCs	262.00	19.40	363.65	35.43		256.24	13.89	190.88	0.00	334.42	19.64	319.86	22.72	251.85	15.76	154.34	13.48
Percent Decrease of CVOCs Pre to Post Carbon (%)	-92.60		-90.26			-94.58		-100.00		-94.13		-92.90		-93.74		-91.27	
Percent Decrease of CVOCs From Baseline (10/2019 Pre)	-90.73		-87.13			-90.93		-93.25		-88.17		-88.68		-91.09		-94.54	

CARBON CHANGEOUT

Notes:

1. Compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report in appendix.
2. Analytical testing for VOCs via TO-15 completed by Alpha Analytical.
3. Results present in ug/m^3 or microgram per cubic meter.
4. Samples were collected during a 8-hour sample duration.
5. Parameters shaded in red indicate analytes of concern (Target cVOCs). NYSDOH Target cVOCs are included in this calculation, specifically those listed in the NYSDOH "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York", May 2017 Update. Specifically: 1,1,1-Trichloroethane, 1,1-Dichloroethene, Carbon tetrachloride, cis-1,2-Dichloroethene, Methylene chloride, Tetrachloroethene, Trichloroethene, and Vinyl chloride
6. Results in red indicate post carbon result higher than pre carbon result.
7. ND = No Value Above Detection Limit (Non-detect); NA = Not Analyzed; NC = Not Calculated ; D = Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
8. In some instances where the pre-sample is ND and the post sample presents a reportable value, the ND pre-sample may be due to sample dilution. Refer to analytical reports for dilution factors.

Environmental Advantage

Table 2
Indoor Air Analytical Testing Results
1801 Elmwood Avenue, Buffalo, NY
March 2023, December 2023 and February 2024

	Guidance Values - Indoor Air			Area A		Area B		Area C				Areas A & B	Area C		Guidance Values - Outdoor Air	
LOCATION	Table C2 Commercial Indoor Air Background (90%)	**NYSDOH Matrix Value**	NYSDOH Air Guideline Value	IA-1 (030823)	IA-2 (030823)	IA-3 (030823)	IA-3 (030823) Duplicate	IA-4 (122723)	IA-4 (122723) DUPLICATE **	IA-4 (022524)	IA-4 (022524) DUPLICATE	OA-1 (030823)	OA-1 (122723)	OA-1 (022524)	Table C2 Commercial Outdoor Air Background (90%)	NYSDOH Air Guideline Value
SAMPLING DATE				3/8/2023	3/8/2023	3/8/2023	3/8/2023	12/27/2023	12/27/2023	2/25/2024	2/25/2024	3/8/2023	12/27/2023	2/25/2024		
LAB SAMPLE ID				L2313097-	L2313097-	L2313097-	L2313097-	L2376500-	L2376500-	L2410216-	L2410216-	L2313097-05	L2376500-01	L2410216-01		
Volatile Organics in Air (ug/m^3)																
1,1,1-Trichloroethane*	20.6	**10**	NV	0.147	0.12	ND	ND	0.289	0.331	0.202	0.207	ND	ND	ND	2.6	NV
1,1,2,2-Tetrachloroethane	NV	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	NV	NV
1,1,2-Trichloroethane	<1.5	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	<1.6	NV
1,1-Dichloroethane	<0.7	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	<0.6	NV
1,1-Dichloroethene*	<1.4	**1**	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1.4	NV
1,2,4-Trichlorobenzene*	<6.8	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	<6.4	NV
1,2,4-Trimethylbenzene	9.5	**10**	NV	6.64	6.44	ND	ND	**81.6**	***55.6***	**55.1**	**55.1**	ND	ND	ND	5.8	NV
1,2-Dibromoethane	<1.5	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	<1.6	NV
1,2-Dichlorobenzene	<1.2	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	<1.2	NV
1,2-Dichloroethane	<0.9	NV	NV	ND	ND	ND	ND	ND	*0.188*	ND	ND	ND	ND	ND	<0.8	NV
1,2-Dichloropropane	<1.6	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	<1.6	NV
1,3,5-Trimethylbenzene	3.7	**10**	NV	2.26	2.19	ND	ND	**25.5**	***18***	**17.1**	**17.6**	ND	ND	ND	2.7	NV
1,3-butadiene	<3.0	NV	NV	ND	ND	ND	ND	ND	*0.146*	ND	ND	ND	ND	ND	<3.4	NV
1,3-Dichlorobenzene	<2.4	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	<2.2	NV
1,4-Dichlorobenzene	5.5	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	1.2	NV
1,4-Dioxane	NV	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	NV	NV
2,2,4-trimethylpentane	NV	**10**	NV	11.2	11.3	ND	ND	2.55	*2.39*	ND	ND	ND	ND	ND	NV	NV
2-Butanone (Methyl Ethyl Ketone)	12	NV	NV	2.88	2.61	ND	ND	15.1	*14.6*	5.01	4.9	ND	ND	ND	11.3	NV
2-Hexanone (Methyl Butyl Ketone)	NV	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	NV	NV
3-Chloropropene	NV	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	NV	NV
4-ethyltoluene	3.6	NV	NV	1.53	1.79	ND	ND	19.8	*15.6*	14.3	15.5	ND	ND	ND	3.0	NV
4-Methyl-2-pentanone (Methyl Isobutyl I	6	NV	NV	ND	ND	2.73	3.08	13.9	*11.8*	3.54	3.34	ND	ND	ND	1.9	NV
Acetone	98.9	NV	NV	494	489	110	115	993	*1010*	1010	964	7.67	8.79	11 J	43.7	NV
Benzene	9.4	**10**	NV	ND	ND	ND	ND	1.09	*1.23*	ND	ND	ND	0.684	ND	6.6	NV
Benzyl chloride	<6.8	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	<6.4	NV
Bromodichloromethane	NV	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	NV	NV
Bromoform	NV	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	NV	NV
Bromomethane	<1.7	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	<1.6	NV
Carbon disulfide	4.2	NV	NV	ND	ND	0.645	0.651	1.46	*1.53*	2.25	2.37	ND	ND	ND	3.7	NV
Carbon tetrachloride*	<1.3	**1**	NV	0.604	0.56	0.547	0.541	0.503	0.438	ND	0.434	0.547	0.421	0.44 J	0.7	NV
Chlorobenzene	<0.9	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	<0.8	NV
Chloroethane	<1.1	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	<1.2	NV
Chloroform	1.1	NV	NV	ND	ND	1.79	1.88	ND	*0.393*	ND	ND	ND	ND	ND	0.6	NV
Chloromethane	3.7	NV	NV	1.2	1.18	1.61	1.63	1.4	*1.7*	1.24	1.22	1.12	1.25	1.16 J	3.7	NV
cis-1,2-Dichloroethene*	<1.9	**1**	NV	ND	ND	ND	ND	0.151	0.163	0.083	0.095	ND	ND	ND	<1.8	NV
cis-1,3-Dichloropropene	<2.3	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	<2.2	NV
Cyclohexane	NV	**10**	NV	1.06	1.11	ND	ND	7.16	*6.85*	ND	ND	ND	ND	ND	NV	NV
Dibromochloromethane	NV	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	NV	NV
Dichlorodifluoromethane	16.5	NV	NV	2.48	2.58	2.68	2.57	2.23	*2.16*	2.48	2.37	2.47	2.11	2.57 J	8.1	NV
Ethanol	210	NV	NV	230	230	23.7	22.8	469	*462*	32	30.7	ND	ND	9.42 J	57	NV
Ethyl acetate	5.4	NV	NV	ND	ND	ND	ND	14.5	*11.3*	6.09	6.38	ND	ND	ND	1.5	NV
Ethylbenzene	5.7	**10**	NV	8.64	8.64	4.2	4.31	**24.5**	***21.9***	4.34	4.17	ND	ND	ND	3.5	NV
Freon 113	NV	NV	NV	ND	ND	ND	ND	ND	*1.1*	ND	ND	ND	ND	ND	NV	NV
Freon 114	NV	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	NV	NV
Heptane	NV	**20**	NV	**45.9**	**44.7**	10	10.7	**98.4**	***82***	10.2	10	ND	ND	ND	NV	NV
Hexachlorobutadiene	<6.8	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	<6.4	NV
Isopropanol	250	NV	NV	1550 R1	1490 R1	64.4	64.6	1450 R1	*1460 R1*	195	190	10.8	3.54	2.18 J	16.5	NV
Methyl tert-butyl ether	11.5	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	6.2	NV
Methylene chloride	10	**10**	60	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	6.1	60
n-Hexane	10.2	**20**	NV	**48.3**	**49.7**	2.81	2.78	**116**	***102***	8.39	8.53	ND	0.825	ND	6.4	NV
Naphthalene	5.1	**10**	NV	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	1.09 J	4.9	NV
o-Xylene	7.9	**10**	NV	7.99	7.91	5.56	5.86	**26.8**	***23.7***	6.3	5.78	ND	ND	ND	4.6	NV
p/m-Xylene	22.2	**20**	NV	**30.2**	**30.1**	17	17.9	**87.7**	***79.1***	19.5	17.9	ND	ND	ND	12.8	NV
Styrene	1.9	NV	NV	6.3	5.79	ND	ND	5.88	*5.15*	ND	ND	ND	ND	ND	1.3	NV
Tertiary butyl Alcohol	NV	NV	NV	53.4	50.3	2.85	2.68	94.9	*94.6*	2.88	2.76	ND	ND	ND	NV	NV
Tetrachloroethene*	15.9	**10**	30	1.34	1.32	0.475	0.468	5.02	4.94	1.05	1.09	0.814	2.45	ND	6.5	30
Tetrahydrofuran	NV	NV	NV	ND	1.6	2.09	ND	1.9	3.39	ND	2.41	ND	ND	ND	NV	NV
Toluene	43	**50**	NV	20.5	20.8	2.47	2.33	**70.8**	***65.2***	23.4	24.1	ND	1.76	ND	33.7	NV
trans-1,2-Dichloroethene	NV	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	NV	NV
trans-1,3-Dichloropropene	<1.3	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	<1.4	NV
Trichloroethene*	4.2	**1**	2	0.946	0.973	ND	ND	**3.53**	**3.68**	**1.7**	**1.69**	ND	0.167	ND	1.3	2
Trichlorofluoromethane	18.1	NV	NV	2.34	2.33	1.37	1.34	1.75	*1.85*	1.94	1.83	1.26	ND	1.49 J	4.3	NV
Vinyl Bromide	NV	NV	NV	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	NV	NV
Vinyl chloride*	<1.9	**0.2**	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1.8	NV

1. Compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report.
2. Analytical testing for VOCs via TO-15 completed by Alpha Laboratories. * = samples analyzed for volatile organics in air by SIM.
3. Results present in ug/m^3 or microgram per cubic meter.
4. Samples were collected during a 8-hour sample duration.
5. 90th percentile values as presented in C2 (EPA 2001: Building assessment and survey evaluation (BASE) database Appendix C, in the NYSDOH Guidance Manual, as indicated for indoor and outdoor
6. Air Guideline Values and Matrix Values from "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006, prepared by New York State Department of Health. Updated September 2013, August 2015, May 2017,
7. Grey shaded values represent exceedance of table C2 guidance values; yellow shaded values represents exceedance of NYSDOH Air Guideline Values; **BOLDED** = Exceedance of NYSDOH Matrix
8. Qualifiers: J = result is less than the reporting limit but greater or equal to the method detection limit and the concentration is an approximate value.
9. ND = Non Detect; NV = No Value; NT = Not Tested; R1 = Analytical results are from sample re-analysis.
10. Red values represent updated values based on data validation.

Environmental Advantage

Table 3
Historical Groundwater Monitoring Data Summary
MOD-PAC CORP.

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Trichloroethene (µg/L) NY-TOGS-GA (5 µg/L)	% Increase/ Decrease TCE
MW - 3	2/5/18	600.71	5.05	595.66	**280**	Baseline
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019					
	7/16/19	600.71	NG	NG	ND	-100.00
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019					
	10/24/19	600.71	NG	NG	**220**	-21.43
	4/15/20	600.71	5.54	595.17	**370 JH**	**32.14**
	3/10/21	600.71	6.10	594.61	NT	N/A
	3/30/21	600.71	5.95	594.76	NT	N/A
	4/14/21	600.71	5.98	594.73	**340**	**21.43**
	5/20/21	600.71	6.10	594.61	NT	N/A
	6/11/21	600.71	6.12	594.59	NT	N/A
	7/1/21	600.71	6.30	594.41	**400**	**42.86**
	8/25/21	600.71	5.80	594.91	NT	N/A
	9/22/21	600.71	5.45	595.26	NT	N/A
	11/19/21	600.71	5.30	595.41	**340**	**21.43**
	12/10/21	600.71	5.55	595.16	NT	N/A
	1/12/22	600.71	5.70	595.01	**190**	-32.14
	2/2/22	600.71	6.09	594.62	NT	N/A
	3/10/22	600.71	6.44	594.27	NT	N/A
	4/5/22	600.71	5.65	595.06	**280**	0.00
	5/16/22	600.71	5.81	594.90	NT	N/A
	6/6/22	600.71	5.70	595.01	NT	N/A
	7/6/22	600.71	5.91	594.80	**240**	-14.29
	8/9/22	600.71	5.85	594.86	NT	N/A
	9/22/22	600.71	6.18	594.53	NT	N/A
	10/7/22	600.71	6.03	594.68	**350**	**25.00**
	11/7/22	600.71	5.71	595.00	NT	N/A
	12/8/22	600.71	5.55	595.16	NT	N/A
	1/5/23	600.71	4.70	596.01	**170**	-39.29
	2/21/23	600.71	5.70	595.01	NT	N/A
	3/24/23	600.71	5.41	595.30	NT	N/A
	4/6/23	600.71	5.35	595.36	**120 J**	-57.14
	5/17/23	600.71	5.80	594.91	NT	N/A
	6/20/23	600.71	7.18	593.53	NT	N/A
	7/25/23	600.71	NG	NG	NT	N/A
	8/17/23	600.71	5.95	594.76	NT	N/A
	10/3/23	600.71	6.30	594.41	**400**	**42.86**
	1/12/24	600.71	5.28	595.43	**330**	**17.86**
	4/9/24	600.71	5.62	595.09	**300**	**7.14**
MW - 11	2/5/18	600.41	4.66	595.75	**40**	Baseline
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019					
	7/16/19	600.41	NG	NG	**20**	-50.00
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019					
	10/24/19	600.41	NG	NG	**16**	-60.00
	4/15/20	600.41	5.27	595.14	**45 JH**	**12.50**
	3/10/21	600.41	5.82	594.59	NT	N/A
	3/30/21	600.41	5.74	594.67	NT	N/A
	4/14/21	600.41	5.74	594.67	**16**	-60.00
	5/20/21	600.41	5.84	594.57	NT	N/A
	6/11/21	600.41	5.85	594.56	NT	N/A
	7/1/21	600.41	6.00	594.41	**47**	**17.50**
	8/25/21	600.41	5.58	594.83	NT	N/A
	9/22/21	600.41	5.32	595.09	NT	N/A
	11/19/21	600.41	5.15	595.26	**32**	-20.00
	12/10/21	600.41	5.35	595.06	NT	N/A
	1/12/22	600.41	5.45	594.96	**22**	-45.00
	2/2/22	600.41	5.80	594.61	NT	N/A
	3/10/22	600.41	5.21	595.20	NT	N/A
	4/5/22	600.41	5.45	594.96	**24**	-40.00
	5/16/22	600.41	5.49	594.92	NT	N/A
	6/6/22	600.41	5.46	594.95	NT	N/A
	7/6/22	600.41	5.63	594.78	**27**	-32.50
	8/9/22	600.41	5.71	594.70	NT	N/A
	9/22/22	600.41	5.90	594.51	NT	N/A
	10/7/22	600.41	5.80	594.61	**34**	-15.00
	11/7/22	600.41	5.61	594.80	NT	N/A
	12/8/22	600.41	5.38	595.03	NT	N/A
	1/5/23	600.41	4.73	595.68	**31**	-22.50
	2/21/23	600.41	5.50	594.91	NT	N/A
	3/24/23	600.41	5.39	595.02	NT	N/A
	4/6/23	600.41	4.60	595.81	**19**	-52.50
	5/17/23	600.41	5.60	594.81	NT	N/A
	6/20/23	600.41	5.94	594.47	NT	N/A
	7/25/23	600.41	5.60	594.81	**23**	-42.50
	8/17/23	600.41	5.74	594.67	NT	N/A
	10/3/23	600.41	6.05	594.36	**12**	-70.00
	1/12/24	600.41	5.34	595.07	**12**	-70.00
	4/9/24	600.41	5.58	594.83	**29**	-27.50
MW - 12	2/5/18	600.50	4.52	595.98	**0.44 J**	Baseline
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019					
	7/16/19	600.50	NG	NG	ND	-100.00
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019					
	10/24/19	600.50	NG	NG	ND	-100.00
	4/15/20	600.50	4.41	596.09	ND	-100.00
	3/10/21	600.50	5.03	595.47	NT	N/A
	3/30/21	600.50	4.86	595.64	NT	N/A
	4/14/21	600.50	4.86	595.64	ND	-100.00
	5/20/21	600.50	5.05	595.45	NT	N/A
	6/11/21	600.50	5.10	595.40	NT	N/A
	7/1/21	600.50	5.35	595.15	ND	-100.00
	8/25/21	600.50	4.80	595.70	NT	N/A
	9/22/21	600.50	4.40	596.10	NT	N/A
	11/19/21	600.50	4.10	596.40	ND	-100.00
	12/10/21	600.50	4.35	596.15	NT	N/A
	1/12/22	600.50	4.58	595.92	ND	-100.00
	2/2/22	600.50	5.20	595.30	NT	N/A
	3/10/22	600.50	4.30	596.20	NT	N/A
	4/5/22	600.50	4.41	596.09	ND	-100.00
	5/16/22	600.50	5.30	595.20	NT	N/A
	6/6/22	600.50	4.73	595.77	NT	N/A
	7/6/22	600.50	4.10	596.40	ND	-100.00
	8/9/22	600.50	4.89	595.61	NT	N/A
	9/22/22	600.50	5.15	595.35	NT	N/A
	10/7/22	600.50	5.04	595.46	ND	-100.00
	11/7/22	600.50	4.62	595.88	NT	N/A
	12/8/22	600.50	4.42	596.08	NT	N/A
	1/5/23	600.50	3.54	596.96	ND	-100.00
	2/21/23	600.50	4.55	595.95	NT	N/A
	3/24/23	600.50	4.39	596.11	NT	N/A
	4/6/23	600.50	3.76	596.74	ND	-100.00
	5/17/23	600.50	4.69	595.81	NT	N/A
	6/20/23	600.50	5.20	595.30	NT	N/A
	7/25/23	600.50	4.71	595.79	**0.20 J**	-54.55
	8/17/23	600.50	4.94	595.56	NT	N/A
	10/3/23	600.50	5.39	595.11	**0.18 J**	-59.09
	1/12/24	600.50	4.14	596.36	ND	-100.00
	4/9/24	600.50	4.41	596.09	ND	-100.00
MW - 13	2/5/18	600.31	4.44	595.87	**160**	Baseline
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019					
	7/16/19	600.31	NG	NG	**78**	-51.25
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019					
	10/24/19	600.31	NG	NG	**240**	**50.00**
	4/15/20	600.31	3.70	596.61	**140 JH**	-12.50
	3/10/21	600.31	4.25	596.06	NT	N/A
	3/30/21	600.31	4.10	596.21	NT	N/A
	4/14/21	600.31	4.13	596.18	**95**	-40.63
	5/20/21	600.31	4.32	595.99	NT	N/A
	6/11/21	600.31	4.40	595.91	NT	N/A
	7/1/21	600.31	4.60	595.71	**150**	-6.25
	8/25/21	600.31	4.10	596.21	NT	N/A
	9/22/21	600.31	3.35	596.96	NT	N/A
	11/19/21	600.31	3.30	597.01	**73**	-54.38
	12/10/21	600.31	3.50	596.81	NT	N/A
	1/12/22	600.31	3.85	596.46	**74**	-53.75
	2/2/22	600.31	4.30	596.01	NT	N/A
	3/10/22	600.31	4.46	595.85	NT	N/A
	4/5/22	600.31	3.80	596.51	**59**	-63.13
	5/16/22	600.31	4.10	596.21	NT	N/A
	6/6/22	600.31	4.23	596.08	NT	N/A
	7/6/22	600.31	4.11	596.20	**89**	-44.38
	8/9/22	600.31	3.90	596.41	NT	N/A
	9/22/22	600.31	4.45	595.86	NT	N/A
	10/7/22	600.31	5.66	594.65	**72**	-55.00
	11/7/22	600.31	3.78	596.53	NT	N/A
	12/8/22	600.31	3.45	596.86	NT	N/A
	1/5/23	600.31	2.62	597.69	**35**	-78.13
	2/21/23	600.31	3.81	596.50	NT	N/A
	3/24/23	600.31	3.46	596.85	NT	N/A
	4/6/23	600.31	3.10	597.21	**32 J**	-80.00
	5/17/23	600.31	4.01	596.30	NT	N/A
	6/20/23	600.31	5.50	594.81	NT	N/A
	7/25/23	600.31	3.98	596.33	**90**	-43.75
	8/17/23	600.31	4.20	596.11	NT	N/A
	10/3/23	600.31	6.70	593.61	**71**	-55.63
	1/12/24	600.31	3.11	597.20	**36**	-77.50
	4/9/24	600.31	3.66	596.65	**43**	-73.13
MW - 14	3/10/21		6.76	-6.76	NT	N/A
	3/30/21		6.72	-6.72	NT	N/A
	4/14/21		6.73	-6.73	NT	N/A
	5/20/21		6.75	-6.75	NT	N/A
	6/11/21		6.80	-6.80	NT	N/A
	7/1/21		6.95	-6.95	NT	N/A
	8/25/21		6.50	-6.50	NT	N/A
	9/22/21		6.15	-6.15	NT	N/A
	11/19/21		6.10	-6.10	NT	N/A
	12/10/21		6.30	-6.30	NT	N/A
	1/12/22		6.40	-6.40	NT	N/A
	2/2/22		6.74	-6.74	NT	N/A
	3/10/22		7.36	-7.36	NT	N/A
	4/5/22		6.40	-6.40	NT	N/A
	5/16/22		6.54	-6.54	NT	N/A
	6/6/22		6.31	-6.31	NT	N/A
	7/6/22		6.57	-6.57	NT	N/A
	8/9/22		6.61	-6.61	NT	N/A
	9/22/22		6.82	-6.82	NT	N/A
	10/7/22		7.56	-7.56	NT	N/A
	11/7/22		6.52	-6.52	NT	N/A
	12/8/22		6.34	-6.34	NT	N/A
	1/5/23		5.69	-5.69	NT	N/A
	2/21/23		6.46	-6.46	NT	N/A
	3/24/23		6.27	-6.27	NT	N/A
	4/6/23		6.22	-6.22	NT	N/A
	5/17/23		5.53	-5.53	NT	N/A
	6/20/23		6.87	-6.87	NT	N/A
	7/25/23		6.50	-6.50	NT	N/A
	8/17/23		6.78	-6.78	NT	N/A
	10/3/23		6.97	-6.97	NT	N/A
	1/12/24		6.25	-6.25	NT	N/A
	4/9/24		6.45	-6.45	NT	N/A
MW - 15	3/10/21		5.42	-5.42	NT	N/A
	3/30/21		5.32	-5.32	NT	N/A
	4/14/21		5.34	-5.34	NT	N/A
	5/20/21		5.40	-5.40	NT	N/A
	6/11/21		5.60	-5.60	NT	N/A
	7/1/21		5.60	-5.60	NT	N/A
	8/25/21		5.18	-5.18	NT	N/A
	9/22/21		3.85	-3.85	NT	N/A
	11/19/21		4.80	-4.80	NT	N/A
	12/10/21		4.90	-4.90	NT	N/A
	1/12/22		5.05	-5.05	NT	N/A
	2/2/22		6.02	-6.02	NT	N/A
	3/10/22		4.90	-4.90	NT	N/A
	4/5/22		5.08	-5.08	NT	N/A
	5/16/22		6.04	-6.04	NT	N/A
	6/6/22		5.12	-5.12	NT	N/A
	7/6/22		5.27	-5.27	NT	N/A
	8/9/22		5.31	-5.31	NT	N/A
	9/22/22		5.50	-5.50	NT	N/A
	10/7/22		7.50	-7.50	NT	N/A
	11/7/22		7.61	-7.61	NT	N/A
	12/8/22		5.00	-5.00	NT	N/A
	1/5/23		4.36	-4.36	NT	N/A
	2/21/23		5.13	-5.13	NT	N/A
	3/24/23		4.90	-4.90	NT	N/A
	4/6/23		4.95	-4.95	NT	N/A
	5/17/23		5.20	-5.20	NT	N/A
	6/20/23		5.52	-5.52	NT	N/A
	7/25/23		5.21	-5.21	NT	N/A
	8/17/23		5.34	-5.34	NT	N/A
	10/3/23		5.64	-5.64	NT	N/A
	1/12/24		5.05	-5.05	NT	N/A
	4/9/24		5.13	-5.13	NT	N/A

Notes:

1. NG = Not Gauged; ND = Non-Detect; NT = Not tested; N/A = Not Applicable; 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). ; H = The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection;
2. Water Levels measured from top of riser
3. Blue Shading = Result exceeds NY-TOGS-GA for TCE
4. **RED BOLDED** = Percent increase of TCE from Baseline
5. **BLUE BOLDED** = Result changed as a result of data validation.
6. Data Validation was not preformed on the following sample dates: 7/16/19 (sampled by others), 10/24/19 (sampled by others), 7/1/21, 11/19/21, 1/12/22.

Environmental Advantage

Table 4
Historical Groundwater Monitoring and Sampling Data Summary
MOD-PAC CORP.

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	1,1-Dichloroethene (µg/L)	2-Butanone (µg/L)	Acetone (µg/L)	Benzene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	Total VOCs (µg/L)	% Increase/ Decrease TCE
	NY-TOGS-GA (µg/L)				5	50	50	1	5	5	5	2		
MW - 3	2/5/18	600.71	5.05	595.66	ND	ND	ND	ND	**80**	**14**	**280**	**13**	**387.0**	**Baseline**
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019													
	7/16/19	600.71	NG	NG	ND	**3.10 J**	**38**	ND	ND	ND	ND	ND	**43.4**	-100.00
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019													
	10/24/2019*	600.71	NG	NG	ND	ND	<20	<1	**30**	**3**	**220**	<1	**253.0**	-21.43
	4/15/20	600.71	5.54	595.17	ND	ND	**6.40 J**	ND	**57**	**7.3**	**370 JH**	**3.7**	**444.4**	**32.14**
	4/14/21	600.71	5.98	594.73	**0.88 J**	ND	ND	ND	**82**	**8.8**	**340**	**5.6**	**440.5**	**21.43**
	7/1/21	600.71	6.30	594.41	**2.0**	ND	ND	**0.41 J**	**140**	**16**	**400**	**8.1**	**566.5**	**42.86**
	11/19/21	600.71	5.30	595.41	**0.77 J**	ND	ND	ND	**43**	**4 J**	**340**	**2.9**	**390.7**	**21.43**
	1/12/22	600.71	5.70	595.01	**0.86**	ND	ND	**0.16 J**	**57**	**3.3**	**190**	**3.5**	**254.8**	-32.14
	4/5/22	600.71	5.65	595.06	**0.44 J**	ND	ND	ND	**46**	**5.1 J**	**280**	**2.3 J**	**333.8**	0.00
	7/6/22	600.71	5.91	594.80	**0.48 J**	ND	ND	ND	**74**	**6.2**	**240**	**3.7**	**324.4**	-14.29
	10/7/22	600.71	6.03	594.68	**0.76 J**	**6.50 J**	**7.60 J**	**0.34 J**	**92**	**6.5**	**350**	**7.2**	**470.9**	**25.00**
	1/5/23	600.71	4.70	596.01	**0.24 J**	ND	ND	ND	**29**	**1.5 J**	**170 R1**	**0.55 J**	**201.3**	-39.29
	4/6/23	600.71	5.35	595.36	ND	ND	ND	ND	**17 J**	**0.92 J**	**120 J**	**0.41 J**	**138.3**	-57.14
	7/25/23	600.71	NG	NG	NT	NT	NT	NT	NT	NT	NT	NT	NT	N/A
	10/3/23	600.71	6.30	594.41	ND	ND	ND	ND	**99**	**8.3 J**	**400**	**4.8**	**512.1**	**42.86**
	1/12/24	600.71	5.28	595.43	**0.35 J**	ND	ND	ND	**66**	**5.4**	**330**	**1.7 J**	**403.5**	**17.86**
	4/9/24	600.71	5.62	595.09	**0.41 J**	ND	ND	ND	**54**	**4.9 J**	**300**	**1.9 J**	**361.2**	**7.14**
MW - 11	2/5/18	600.41	4.66	595.75	ND	**2.3 J**	**9.4**	**0.16 J**	**3.1**	**2.9**	**40**	**5.6**	**64.56**	**Baseline**
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019													
	7/16/19	600.41	NG	NG	**0.35 J**	ND	**4.5 J**	ND	**14**	**25**	**20**	**9.8**	**73.65**	-50.00
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019													
	10/24/2019*	600.41	NG	NG	ND	**150 J**	**920**	ND	<10	<10	**16**	ND	**1086.0**	-60.00
	4/15/20	600.41	5.27	595.14	ND	**2.2 J**	**11**	**0.21 J**	**7**	**10**	**45 JH**	**9**	**84.4**	**12.50**
	4/14/21	600.41	5.74	594.67	ND	ND	**ND**	ND	**8**	**9.4**	**16**	**5.7**	**39.1**	-60.00
	7/1/21	600.41	6.00	594.41	**0.35 J**	ND	ND	**0.25 J**	**13**	**17**	**47**	**10**	**87.6**	**17.50**
	11/19/21	600.41	5.15	595.26	**0.27 J**	ND	ND	**0.25 J**	**17**	**30**	**32**	**7.8**	**87.3**	-20.00
	1/12/22	600.41	5.45	594.96	**0.31 J**	ND	ND	**0.20 J**	**11**	**19**	**22**	**6.2**	**58.7**	-45.00
	4/5/22	600.41	5.45	594.96	**0.27 J**	ND	ND	**0.17 J**	**9.8**	**15**	**24**	**9.7**	**58.9**	-40.00
	7/6/22	600.41	5.63	594.78	**0.36 J**	ND	**3.6 J**	**0.22 J**	**15**	**20**	**27**	**10**	**76.2**	-32.50
	10/7/22	600.41	5.80	594.61	ND	ND	ND	**0.22 J**	**13**	**15**	**34**	**7.2**	**69.4**	-15.00
	1/5/23	600.41	4.73	595.68	**0.25 J**	ND	ND	**0.16 J**	**11**	**16**	**31**	**9.4**	**67.8**	-22.50
	4/6/23	600.41	4.60	595.81	**0.39 J**	ND	ND	ND	**10 J**	**16**	**19 J**	**10**	**55.4**	-52.50
	7/25/23	600.41	5.60	594.81	**0.22 J**	ND	**2.5 J**	**0.2 J**	**12**	**17**	**23**	**17**	**71.9**	-42.50
	10/3/23	600.41	6.05	594.36	ND	ND	**5.7**	ND	**11**	**12**	**12**	**8.5**	**49.2**	-70.00
	1/12/24	600.41	5.34	595.07	**0.22 J**	ND	ND	ND	**11**	**13**	**12**	**8.7**	**44.9**	-70.00
	4/9/24	600.41	5.58	594.83	**0.52**	ND	**2.4 J**	**0.17 J**	**12**	**18**	**29**	**12**	**74.1**	-27.50
MW - 12	2/5/18	600.50	4.52	595.98	ND	ND	**2.2 J**	ND	ND	ND	**0.44 J**	ND 9	**2.64**	**Baseline**
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019													
	7/16/19	600.50	NG	NG	ND	ND	**3 J**	ND	ND	ND	ND	ND	**3.0**	-100.00
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019													
	10/24/2019*	600.50	NG	NG	ND	ND	<200	ND	ND	ND	ND	ND	ND	-100.00
	4/15/20	600.50	4.41	596.09	ND	ND	**11**	ND	ND	ND	ND	ND	**11.0**	-100.00
	4/14/21	600.50	4.86	595.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	7/1/21	600.50	5.35	595.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	11/19/21	600.50	4.10	596.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	1/12/22	600.50	4.58	595.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	4/5/22	600.50	4.41	596.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	7/6/22	600.50	4.10	596.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	10/7/22	600.50	5.04	595.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	1/5/23	600.50	3.54	596.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	4/6/23	600.50	3.76	596.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	7/25/23	600.50	4.71	595.79	ND	ND	ND	ND	ND	ND	**0.20 J**	ND	**0.2**	-54.55
	10/3/23	600.50	5.39	595.11	ND	ND	ND	ND	ND	ND	**0.18 J**	ND	**0.2**	-59.09
	1/12/24	600.50	4.14	596.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	4/9/24	600.50	4.41	596.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
MW - 13	2/5/18	600.31	4.44	595.87	**1**	ND	ND	ND	**180**	**4.1**	**160**	**25**	**371.3**	**Baseline**
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019													
	7/16/19	600.31	NG	NG	**1.20 J**	ND	ND	ND	**400**	**3.9 J**	**78**	**56**	**539.1**	-51.25
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019													
	10/24/2019*	600.31	NG	NG	<1	ND	**28**	ND	**97**	**2**	**240**	**2**	**369.0**	**50.00**
	4/15/20	600.31	3.70	596.61	**0.73**	ND	**3.2 J**	ND	**200**	**4.4**	**140 JH**	**55**	**403.3**	-12.50
	4/14/21	600.31	4.13	596.18	**0.69**	ND	ND	ND	**150**	**1.7 J**	**95**	**70**	**317.4**	-40.63
	7/1/21	600.31	4.60	595.71	**1.5**	ND	ND	**0.18 J**	**210**	**3.9**	**150**	**88**	**453.6**	-6.25
	11/19/21	600.31	3.30	597.01	**0.45 J**	ND	ND	ND	**50**	ND	**73**	**20**	**143.5**	-54.38
	1/12/22	600.31	3.85	596.46	**1.1**	ND	ND	ND	**140**	**1.8 J**	**74**	**54**	**270.9**	-53.75
	4/5/22	600.31	3.80	596.51	**0.9**	ND	ND	ND	**130**	**1.8 J**	**59**	**75**	**266.7**	-63.13
	7/6/22	600.31	4.11	596.20	**0.73**	ND	ND	ND	**110**	**1.7 J**	**89**	**51**	**252.4**	-44.38
	10/7/22	600.31	5.66	594.65	**0.53**	**1.9 J**	ND	ND	**85**	**1.2 J**	**72**	**39**	**199.6**	-55.00
	1/5/23	600.31	2.62	597.69	**0.19 J**	ND	ND	ND	**40**	ND	**35**	**6**	**81.2**	-78.13
	4/6/23	600.31	3.10	597.21	**0.22 J**	ND	ND	ND	**42 J**	ND	**32 J**	**15**	**89.2**	-80.00
	7/25/23	600.31	3.98	596.33	**0.55**	ND	ND	ND	**89**	**1.3 J**	**90**	**35**	**215.9**	-43.75
	10/3/23	600.31	6.70	593.61	**0.55**	ND	ND	ND	**90**	**1.1 J**	**71**	**35**	**197.7**	-55.63
	1/12/24	600.31	3.11	597.20	**0.18 J**	ND	ND	ND	**35**	ND	**36**	**9.1**	**80.3**	-77.50
	4/9/24	600.31	3.66	596.65	**0.3 J**	ND	ND	ND	**55**	**0.7 J**	**43**	**22**	**121.0**	-73.13

Notes:

1. NG = Not Gauged; NT = Not Tested; ND = Non-Detect; 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). ; H = The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection;
2. Water Levels measured from top of riser
3. Blue Shading = Result exceeds NY-TOGS-GA for TCE
4. **RED BOLDED** = Percent increase of TCE from Baseline
5. **BLUE BOLDED** = Result changed as a result of data validation.
6. Data Validation was not preformed on the following sample dates: 7/16/19 (sampled by others), 10/24/19 (sampled by others), 7/1/21, 11/19/21, 1/12/22.
7. 10/24/2019 data analyzed by eurofins Lancaster Labratories Environmental, all other data analyzed by Alpha Analyitical
8. QA/QC Results not included on this table, please see full analyitical report.

Environmental Advantage

APPENDIX D

LABORATORY ANALYTICAL RESULTS

ANALYTICAL REPORT

Lab Number:	L2342723
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	CY 2023 SMP GROUNDWATER SAMP
Project Number:	01304
Report Date:	08/08/23

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: CY 2023 SMP GROUNDWATER SAMP
Project Number: 01304

Lab Number: L2342723
Report Date: 08/08/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2342723-01	MW-11 (072523)	WATER	MOD-PAC CORP, BUFFALO, NY	07/25/23 11:25	07/25/23
L2342723-02	MW-11 (072523) DUPLICATE	WATER	MOD-PAC CORP, BUFFALO, NY	07/25/23 11:25	07/25/23
L2342723-03	MW-12 (072523)	WATER	MOD-PAC CORP, BUFFALO, NY	07/25/23 10:26	07/25/23
L2342723-04	MW-13 (072523)	WATER	MOD-PAC CORP, BUFFALO, NY	07/25/23 09:15	07/25/23
L2342723-05	RINSATE BLANK (072523)	WATER	MOD-PAC CORP, BUFFALO, NY	07/25/23 11:35	07/25/23
L2342723-06	TRIP BLANK (072523)	WATER	MOD-PAC CORP, BUFFALO, NY	07/25/23 08:15	07/25/23

Project Name:	CY 2023 SMP GROUNDWATER SAMP	**Lab Number:**	L2342723
Project Number:	01304	**Report Date:**	08/08/23

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:	CY 2023 SMP GROUNDWATER SAMP	**Lab Number:**	L2342723
Project Number:	01304	**Report Date:**	08/08/23

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.

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: Kelly Stenstrom

Title: Technical Director/Representative Date: 08/08/23

ORGANICS

VOLATILES

Project Name: CY 2023 SMP GROUNDWATER SAMP **Lab Number:** L2342723

Project Number: 01304 **Report Date:** 08/08/23

SAMPLE RESULTS

Lab ID: L2342723-01 Date Collected: 07/25/23 11:25
Client ID: MW-11 (072523) Date Received: 07/25/23
Sample Location: MOD-PAC CORP, BUFFALO, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/03/23 14:02
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.20	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	17		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.22	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	17		ug/l	2.5	0.70	1
Trichloroethene	23		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY 2023 SMP GROUNDWATER SAMP **Lab Number:** L2342723

Project Number: 01304 **Report Date:** 08/08/23

SAMPLE RESULTS

Lab ID: L2342723-01 Date Collected: 07/25/23 11:25

Client ID: MW-11 (072523) Date Received: 07/25/23

Sample Location: MOD-PAC CORP, BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	12		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	123		70-130

Project Name: CY 2023 SMP GROUNDWATER SAMP **Lab Number:** L2342723

Project Number: 01304 **Report Date:** 08/08/23

SAMPLE RESULTS

Lab ID: L2342723-02 Date Collected: 07/25/23 11:25
Client ID: MW-11 (072523) DUPLICATE Date Received: 07/25/23
Sample Location: MOD-PAC CORP, BUFFALO, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/03/23 14:24
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.23	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	12		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.37	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	20		ug/l	2.5	0.70	1
Trichloroethene	34		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY 2023 SMP GROUNDWATER SAMP **Lab Number:** L2342723

Project Number: 01304 **Report Date:** 08/08/23

SAMPLE RESULTS

Lab ID: L2342723-02 Date Collected: 07/25/23 11:25

Client ID: MW-11 (072523) DUPLICATE Date Received: 07/25/23

Sample Location: MOD-PAC CORP, BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	16		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.3	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	123		70-130

Project Name: CY 2023 SMP GROUNDWATER SAMP **Lab Number:** L2342723

Project Number: 01304 **Report Date:** 08/08/23

SAMPLE RESULTS

Lab ID: L2342723-03 Date Collected: 07/25/23 10:26
Client ID: MW-12 (072523) Date Received: 07/25/23
Sample Location: MOD-PAC CORP, BUFFALO, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/03/23 14:46
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.20	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY 2023 SMP GROUNDWATER SAMP **Lab Number:** L2342723

Project Number: 01304 **Report Date:** 08/08/23

SAMPLE RESULTS

Lab ID: L2342723-03 Date Collected: 07/25/23 10:26

Client ID: MW-12 (072523) Date Received: 07/25/23

Sample Location: MOD-PAC CORP, BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	123		70-130

Project Name: CY 2023 SMP GROUNDWATER SAMP **Lab Number:** L2342723

Project Number: 01304 **Report Date:** 08/08/23

SAMPLE RESULTS

Lab ID: L2342723-04
Client ID: MW-13 (072523)
Sample Location: MOD-PAC CORP, BUFFALO, NY

Date Collected: 07/25/23 09:15
Date Received: 07/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/03/23 15:07
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	35		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.55		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.3	J	ug/l	2.5	0.70	1
Trichloroethene	90		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY 2023 SMP GROUNDWATER SAMP **Lab Number:** L2342723

Project Number: 01304 **Report Date:** 08/08/23

SAMPLE RESULTS

Lab ID: L2342723-04 Date Collected: 07/25/23 09:15

Client ID: MW-13 (072523) Date Received: 07/25/23

Sample Location: MOD-PAC CORP, BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	89		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	121		70-130

Project Name: CY 2023 SMP GROUNDWATER SAMP **Lab Number:** L2342723

Project Number: 01304 **Report Date:** 08/08/23

SAMPLE RESULTS

Lab ID: L2342723-05 Date Collected: 07/25/23 11:35
Client ID: RINSATE BLANK (072523) Date Received: 07/25/23
Sample Location: MOD-PAC CORP, BUFFALO, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/03/23 15:29
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.25	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.49	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY 2023 SMP GROUNDWATER SAMP **Lab Number:** L2342723

Project Number: 01304 **Report Date:** 08/08/23

SAMPLE RESULTS

Lab ID: L2342723-05 Date Collected: 07/25/23 11:35

Client ID: RINSATE BLANK (072523) Date Received: 07/25/23

Sample Location: MOD-PAC CORP, BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	125		70-130

Project Name: CY 2023 SMP GROUNDWATER SAMP **Lab Number:** L2342723

Project Number: 01304 **Report Date:** 08/08/23

SAMPLE RESULTS

Lab ID: L2342723-06
Client ID: TRIP BLANK (072523)
Sample Location: MOD-PAC CORP, BUFFALO, NY

Date Collected: 07/25/23 08:15
Date Received: 07/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/03/23 15:51
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY 2023 SMP GROUNDWATER SAMP **Lab Number:** L2342723

Project Number: 01304 **Report Date:** 08/08/23

SAMPLE RESULTS

Lab ID: L2342723-06 Date Collected: 07/25/23 08:15

Client ID: TRIP BLANK (072523) Date Received: 07/25/23

Sample Location: MOD-PAC CORP, BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	124		70-130

Project Name: CY 2023 SMP GROUNDWATER SAMP **Lab Number:** L2342723

Project Number: 01304 **Report Date:** 08/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/03/23 08:13
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1811368-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CY 2023 SMP GROUNDWATER SAMP **Lab Number:** L2342723

Project Number: 01304 **Report Date:** 08/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/03/23 08:13
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1811368-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CY 2023 SMP GROUNDWATER SAMP **Lab Number:** L2342723

Project Number: 01304 **Report Date:** 08/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/03/23 08:13
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1811368-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	122		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY 2023 SMP GROUNDWATER SAMP
Project Number: 01304
Lab Number: L2342723
Report Date: 08/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1811368-3 WG1811368-4								
Methylene chloride	110		120		70-130	9		20
1,1-Dichloroethane	110		120		70-130	9		20
Chloroform	110		120		70-130	9		20
Carbon tetrachloride	120		120		63-132	0		20
1,2-Dichloropropane	110		120		70-130	9		20
Dibromochloromethane	99		98		63-130	1		20
1,1,2-Trichloroethane	96		97		70-130	1		20
Tetrachloroethene	120		110		70-130	9		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	120		120		67-130	0		20
Bromodichloromethane	110		120		67-130	9		20
trans-1,3-Dichloropropene	93		91		70-130	2		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
Bromoform	96		94		54-136	2		20
1,1,2,2-Tetrachloroethane	97		100		67-130	3		20
Benzene	120		120		70-130	0		20
Toluene	100		98		70-130	2		20
Ethylbenzene	100		98		70-130	2		20
Chloromethane	120		120		64-130	0		20
Bromomethane	120		120		39-139	0		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY 2023 SMP GROUNDWATER SAMP
Project Number: 01304

Lab Number: L2342723
Report Date: 08/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1811368-3 WG1811368-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	120		120		61-145	0		20
trans-1,2-Dichloroethene	120		120		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	100		96		70-130	4		20
1,3-Dichlorobenzene	100		96		70-130	4		20
1,4-Dichlorobenzene	100		97		70-130	3		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	120		120		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	100		110		36-147	10		20
Acetone	93		100		58-148	7		20
Carbon disulfide	120		120		51-130	0		20
2-Butanone	94		110		63-138	16		20
4-Methyl-2-pentanone	78		94		59-130	19		20
2-Hexanone	70		86		57-130	**21**	Q	20
Bromochloromethane	120		120		70-130	0		20
1,2-Dibromoethane	97		98		70-130	1		20
1,2-Dibromo-3-chloropropane	82		93		41-144	13		20
Isopropylbenzene	97		90		70-130	7		20
1,2,3-Trichlorobenzene	110		100		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY 2023 SMP GROUNDWATER SAMP
Project Number: 01304
Lab Number: L2342723
Report Date: 08/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1811368-3 WG1811368-4								
1,2,4-Trichlorobenzene	110		100		70-130	10		20
Methyl Acetate	100		120		70-130	18		20
Cyclohexane	120		120		70-130	0		20
1,4-Dioxane	98		112		56-162	13		20
Freon-113	120		130		70-130	8		20
Methyl cyclohexane	120		120		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		111		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	87		87		70-130
Dibromofluoromethane	109		115		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: CY 2023 SMP GROUNDWATER SAMP
Project Number: 01304
Lab Number: L2342723
Report Date: 08/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1811368-6 WG1811368-7 QC Sample: L2342723-03 Client ID: MW-12 (072523)												
Methylene chloride	ND	10	12	120		11	110		70-130	9		20
1,1-Dichloroethane	ND	10	13	130		12	120		70-130	8		20
Chloroform	ND	10	13	130		12	120		70-130	8		20
Carbon tetrachloride	ND	10	14	**140**	Q	13	130		63-132	7		20
1,2-Dichloropropane	ND	10	12	120		11	110		70-130	9		20
Dibromochloromethane	ND	10	9.3	93		8.9	89		63-130	4		20
1,1,2-Trichloroethane	ND	10	9.1	91		8.8	88		70-130	3		20
Tetrachloroethene	ND	10	12	120		11	110		70-130	9		20
Chlorobenzene	ND	10	11	110		10	100		75-130	10		20
Trichlorofluoromethane	ND	10	13	130		12	120		62-150	8		20
1,2-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
1,1,1-Trichloroethane	ND	10	13	130		12	120		67-130	8		20
Bromodichloromethane	ND	10	12	120		11	110		67-130	9		20
trans-1,3-Dichloropropene	ND	10	8.5	85		8.3	83		70-130	2		20
cis-1,3-Dichloropropene	ND	10	10	100		9.8	98		70-130	2		20
Bromoform	ND	10	8.4	84		8.5	85		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	9.4	94		9.4	94		67-130	0		20
Benzene	ND	10	12	120		11	110		70-130	9		20
Toluene	ND	10	10	100		10	100		70-130	0		20
Ethylbenzene	ND	10	10	100		9.8	98		70-130	2		20
Chloromethane	ND	10	13	130		12	120		64-130	8		20
Bromomethane	ND	10	11	110		11	110		39-139	0		20
Vinyl chloride	ND	10	13	130		12	120		55-140	8		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CY 2023 SMP GROUNDWATER SAMP
Project Number: 01304
Lab Number: L2342723
Report Date: 08/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1811368-6 WG1811368-7 QC Sample: L2342723-03 Client ID: MW-12 (072523)												
Chloroethane	ND	10	14	**140**	Q	12	120		55-138	15		20
1,1-Dichloroethene	ND	10	13	130		12	120		61-145	8		20
trans-1,2-Dichloroethene	ND	10	13	130		12	120		70-130	8		20
Trichloroethene	0.20J	10	12	120		11	110		70-130	9		20
1,2-Dichlorobenzene	ND	10	9.8	98		9.5	95		70-130	3		20
1,3-Dichlorobenzene	ND	10	9.9	99		9.6	96		70-130	3		20
1,4-Dichlorobenzene	ND	10	9.9	99		9.6	96		70-130	3		20
Methyl tert butyl ether	ND	10	9.8	98		9.4	94		63-130	4		20
p/m-Xylene	ND	20	22	110		20	100		70-130	10		20
o-Xylene	ND	20	21	105		19	95		70-130	10		20
cis-1,2-Dichloroethene	ND	10	13	130		12	120		70-130	8		20
Styrene	ND	20	21	105		19	95		70-130	10		20
Dichlorodifluoromethane	ND	10	11	110		10	100		36-147	10		20
Acetone	ND	10	11	110		10	100		58-148	10		20
Carbon disulfide	ND	10	13	130		13	130		51-130	0		20
2-Butanone	ND	10	9.2	92		9.2	92		63-138	0		20
4-Methyl-2-pentanone	ND	10	7.7	77		7.7	77		59-130	0		20
2-Hexanone	ND	10	7.0	70		7.0	70		57-130	0		20
Bromochloromethane	ND	10	12	120		12	120		70-130	0		20
1,2-Dibromoethane	ND	10	9.3	93		9.0	90		70-130	3		20
1,2-Dibromo-3-chloropropane	ND	10	8.4	84		8.2	82		41-144	2		20
Isopropylbenzene	ND	10	9.6	96		9.2	92		70-130	4		20
1,2,3-Trichlorobenzene	ND	10	10	100		10	100		70-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CY 2023 SMP GROUNDWATER SAMP
Project Number: 01304
Lab Number: L2342723
Report Date: 08/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1811368-6 WG1811368-7 QC Sample: L2342723-03 Client ID: MW-12 (072523)												
1,2,4-Trichlorobenzene	ND	10	9.8	98		9.7	97		70-130	1		20
Methyl Acetate	ND	10	10	100		10	100		70-130	0		20
Cyclohexane	ND	10	12	120		12	120		70-130	0		20
1,4-Dioxane	ND	500	360	72		410	82		56-162	13		20
Freon-113	ND	10	13	130		12	120		70-130	8		20
Methyl cyclohexane	ND	10	11	110		11	110		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		108		70-130
4-Bromofluorobenzene	87		87		70-130
Dibromofluoromethane	117		116		70-130
Toluene-d8	96		96		70-130

Project Name: CY 2023 SMP GROUNDWATER SAMP
Project Number: 01304

Lab Number: L2342723
Report Date: 08/08/23

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(*)
L2342723-01A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-01B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-01C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-02A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-02B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-02C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-03A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-03A1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-03A2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-03B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-03B1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-03B2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-03C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-03C1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-03C2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-04A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-04B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-04C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-05A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-05B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-05C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-06A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2342723-06B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: CY 2023 SMP GROUNDWATER SAMP
Project Number: 01304

Lab Number: L2342723
Report Date: 08/08/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)

*Values in parentheses indicate holding time in days

Project Name:	CY 2023 SMP GROUNDWATER SAMP	**Lab Number:**	L2342723
Project Number:	01304	**Report Date:**	08/08/23

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CY 2023 SMP GROUNDWATER SAMP	**Lab Number:**	L2342723
Project Number:	01304	**Report Date:**	08/08/23

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

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	CY 2023 SMP GROUNDWATER SAMP	**Lab Number:**	L2342723
Project Number:	01304	**Report Date:**	08/08/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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 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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	CY 2023 SMP GROUNDWATER SAMP	**Lab Number:**	L2342723
Project Number:	01304	**Report Date:**	08/08/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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: 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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

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, EPA 537.1.

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

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: 7/26/23

ALPHA Job #: L2342723

Client Information

Client: Environmental ADvantage
Address: 3636 N. Buffalo rd
Orchard Park NY 14127
Phone: 716 667 3130
Fax: 716 667 3156
Email: mhanna@envadvantage.com

Project Information

Project Name: CY2023 SMP Groundwater Sampling
Project Location: MOD-PAC CORP, Buffalo NY
Project # 01304
(Use Project name as Project #) ☐
Project Manager: Mark Hanna + Mary Seustak
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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO # 013404

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:
Open new Sample Delivery Group and Close 07/25/23
Please also email results to labresults@envadvantage.com

Please specify Metals or TAL.

ANALYSIS: VOCs 8260 TCL

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

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260 TCL	Sample Specific Comments
42123 01	MW-11(072523)	07/25/23	11:25	GW	CS	X	
02	MW-11(072523) Duplicate	07/25/23	11:25	GW	CS	X	
03	MW-12(072523)	07/25/23	10:26	GW	CS	X	
1	MW-12 (072523) MS	07/25/23	10:26	GW	CS	X	
	MW-12 (072523) MSD	07/25/23	10:26	GW	CS	X	
04	MW-13 (072523)	07/25/23	09 15	GW	CS	X	
05	MW-3 (072523)	07/25/23		GW	CS	X	
06	Rinsate Blank (072523)	07/25/23	11:35	WA	CS	X	
07	Trip Blank 072523)	07/25/23	0815	WA	CS	X	

Container Type: A
Preservative: B

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
	7/25/23 1445	AAM	7/25/23 1445
AAM	7/25/23 1800		7/26/23 0700

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:	L2358550
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	MPC Q3 GW SAMPLING
Project Number:	01304
Report Date:	10/13/23

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: MPC Q3 GW SAMPLING
Project Number: 01304

Lab Number: L2358550
Report Date: 10/13/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2358550-01	MW-3 (100323)	WATER	MODPAC CORP BUFFALO, NEW YORK	10/03/23 12:43	10/04/23
L2358550-02	MW-11 (100323)	WATER	MODPAC CORP BUFFALO, NEW YORK	10/03/23 13:12	10/04/23
L2358550-03	MW-11 (100323) DUPLICATE	WATER	MODPAC CORP BUFFALO, NEW YORK	10/03/23 13:11	10/04/23
L2358550-04	MW-12 (100323)	WATER	MODPAC CORP BUFFALO, NEW YORK	10/03/23 11:15	10/04/23
L2358550-05	MW-13 (100323)	WATER	MODPAC CORP BUFFALO, NEW YORK	10/03/23 10:27	10/04/23
L2358550-06	TRIP BLANK (100323)	WATER	MODPAC CORP BUFFALO, NEW YORK	10/03/23 13:00	10/04/23
L2358550-07	RINSTATE BLANK (100323)	WATER	MODPAC CORP BUFFALO, NEW YORK	10/03/23 13:21	10/04/23

Project Name:	MPC Q3 GW SAMPLING	**Lab Number:**	L2358550
Project Number:	01304	**Report Date:**	10/13/23

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:	MPC Q3 GW SAMPLING	**Lab Number:**	L2358550
Project Number:	01304	**Report Date:**	10/13/23

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.

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: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative

Date: 10/13/23

ORGANICS

VOLATILES

Project Name: MPC Q3 GW SAMPLING **Lab Number:** L2358550

Project Number: 01304 **Report Date:** 10/13/23

SAMPLE RESULTS

Lab ID: L2358550-01 D
Client ID: MW-3 (100323)
Sample Location: MODPAC CORP BUFFALO, NEW YORK

Date Collected: 10/03/23 12:43
Date Received: 10/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/12/23 12:43
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	ND		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	ND		ug/l	2.0	0.72	4
Chlorobenzene	ND		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	ND		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	ND		ug/l	2.0	0.64	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	4.8		ug/l	4.0	0.28	4
Chloroethane	ND		ug/l	10	2.8	4
1,1-Dichloroethene	ND		ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	8.3	J	ug/l	10	2.8	4
Trichloroethene	400		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4

Project Name: MPC Q3 GW SAMPLING **Lab Number:** L2358550

Project Number: 01304 **Report Date:** 10/13/23

SAMPLE RESULTS

Lab ID: L2358550-01 D Date Collected: 10/03/23 12:43

Client ID: MW-3 (100323) Date Received: 10/04/23

Sample Location: MODPAC CORP BUFFALO, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	10	2.8	4
1,4-Dichlorobenzene	ND		ug/l	10	2.8	4
Methyl tert butyl ether	ND		ug/l	10	2.8	4
p/m-Xylene	ND		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	99		ug/l	10	2.8	4
Styrene	ND		ug/l	10	2.8	4
Dichlorodifluoromethane	ND		ug/l	20	4.0	4
Acetone	ND		ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
Bromochloromethane	ND		ug/l	10	2.8	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
Isopropylbenzene	ND		ug/l	10	2.8	4
1,2,3-Trichlorobenzene	ND		ug/l	10	2.8	4
1,2,4-Trichlorobenzene	ND		ug/l	10	2.8	4
Methyl Acetate	ND		ug/l	8.0	0.94	4
Cyclohexane	ND		ug/l	40	1.1	4
1,4-Dioxane	ND		ug/l	1000	240	4
Freon-113	ND		ug/l	10	2.8	4
Methyl cyclohexane	ND		ug/l	40	1.6	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: MPC Q3 GW SAMPLING
Project Number: 01304
Lab Number: L2358550
Report Date: 10/13/23

SAMPLE RESULTS

Lab ID: L2358550-02
Client ID: MW-11 (100323)
Sample Location: MODPAC CORP BUFFALO, NEW YORK

Date Collected: 10/03/23 13:12
Date Received: 10/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/12/23 10:51
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	8.5		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	12		ug/l	2.5	0.70	1
Trichloroethene	12		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q3 GW SAMPLING **Lab Number:** L2358550

Project Number: 01304 **Report Date:** 10/13/23

SAMPLE RESULTS

Lab ID: L2358550-02 Date Collected: 10/03/23 13:12

Client ID: MW-11 (100323) Date Received: 10/04/23

Sample Location: MODPAC CORP BUFFALO, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	11		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.7		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: MPC Q3 GW SAMPLING **Lab Number:** L2358550

Project Number: 01304 **Report Date:** 10/13/23

SAMPLE RESULTS

Lab ID: L2358550-03 Date Collected: 10/03/23 13:11

Client ID: MW-11 (100323) DUPLICATE Date Received: 10/04/23

Sample Location: MODPAC CORP BUFFALO, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 10/12/23 11:13

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.16	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	8.6		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	12		ug/l	2.5	0.70	1
Trichloroethene	12		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q3 GW SAMPLING **Lab Number:** L2358550

Project Number: 01304 **Report Date:** 10/13/23

SAMPLE RESULTS

Lab ID: L2358550-03 Date Collected: 10/03/23 13:11

Client ID: MW-11 (100323) DUPLICATE Date Received: 10/04/23

Sample Location: MODPAC CORP BUFFALO, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	11		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.6		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: MPC Q3 GW SAMPLING
Project Number: 01304
Lab Number: L2358550
Report Date: 10/13/23

SAMPLE RESULTS

Lab ID: L2358550-04
Client ID: MW-12 (100323)
Sample Location: MODPAC CORP BUFFALO, NEW YORK

Date Collected: 10/03/23 11:15
Date Received: 10/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/12/23 11:35
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.18	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q3 GW SAMPLING **Lab Number:** L2358550

Project Number: 01304 **Report Date:** 10/13/23

SAMPLE RESULTS

Lab ID: L2358550-04 Date Collected: 10/03/23 11:15

Client ID: MW-12 (100323) Date Received: 10/04/23

Sample Location: MODPAC CORP BUFFALO, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: MPC Q3 GW SAMPLING **Lab Number:** L2358550

Project Number: 01304 **Report Date:** 10/13/23

SAMPLE RESULTS

Lab ID: L2358550-05 Date Collected: 10/03/23 10:27

Client ID: MW-13 (100323) Date Received: 10/04/23

Sample Location: MODPAC CORP BUFFALO, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 10/12/23 12:20

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	35		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.55		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.1	J	ug/l	2.5	0.70	1
Trichloroethene	71		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q3 GW SAMPLING **Lab Number:** L2358550

Project Number: 01304 **Report Date:** 10/13/23

SAMPLE RESULTS

Lab ID: L2358550-05 Date Collected: 10/03/23 10:27

Client ID: MW-13 (100323) Date Received: 10/04/23

Sample Location: MODPAC CORP BUFFALO, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	90		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

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

Project Name: MPC Q3 GW SAMPLING **Lab Number:** L2358550

Project Number: 01304 **Report Date:** 10/13/23

SAMPLE RESULTS

Lab ID: L2358550-06 Date Collected: 10/03/23 13:00

Client ID: TRIP BLANK (100323) Date Received: 10/04/23

Sample Location: MODPAC CORP BUFFALO, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 10/12/23 06:44

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q3 GW SAMPLING **Lab Number:** L2358550

Project Number: 01304 **Report Date:** 10/13/23

SAMPLE RESULTS

Lab ID: L2358550-06 Date Collected: 10/03/23 13:00

Client ID: TRIP BLANK (100323) Date Received: 10/04/23

Sample Location: MODPAC CORP BUFFALO, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: MPC Q3 GW SAMPLING **Lab Number:** L2358550

Project Number: 01304 **Report Date:** 10/13/23

SAMPLE RESULTS

Lab ID: L2358550-07 Date Collected: 10/03/23 13:21

Client ID: RINSTATE BLANK (100323) Date Received: 10/04/23

Sample Location: MODPAC CORP BUFFALO, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 10/12/23 11:58

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.84		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q3 GW SAMPLING **Lab Number:** L2358550

Project Number: 01304 **Report Date:** 10/13/23

SAMPLE RESULTS

Lab ID: L2358550-07 Date Collected: 10/03/23 13:21

Client ID: RINSTATE BLANK (100323) Date Received: 10/04/23

Sample Location: MODPAC CORP BUFFALO, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: MPC Q3 GW SAMPLING **Lab Number:** L2358550

Project Number: 01304 **Report Date:** 10/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/12/23 06:22
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1838882-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: MPC Q3 GW SAMPLING **Lab Number:** L2358550

Project Number: 01304 **Report Date:** 10/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/12/23 06:22
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1838882-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: MPC Q3 GW SAMPLING
Project Number: 01304
Lab Number: L2358550
Report Date: 10/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/12/23 06:22
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1838882-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC Q3 GW SAMPLING
Project Number: 01304

Lab Number: L2358550
Report Date: 10/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1838882-3 WG1838882-4								
Methylene chloride	100		97		70-130	3		20
1,1-Dichloroethane	100		99		70-130	1		20
Chloroform	100		98		70-130	2		20
Carbon tetrachloride	98		94		63-132	4		20
1,2-Dichloropropane	97		95		70-130	2		20
Dibromochloromethane	94		91		63-130	3		20
1,1,2-Trichloroethane	97		95		70-130	2		20
Tetrachloroethene	99		96		70-130	3		20
Chlorobenzene	100		96		75-130	4		20
Trichlorofluoromethane	98		96		62-150	2		20
1,2-Dichloroethane	95		94		70-130	1		20
1,1,1-Trichloroethane	99		96		67-130	3		20
Bromodichloromethane	94		93		67-130	1		20
trans-1,3-Dichloropropene	94		92		70-130	2		20
cis-1,3-Dichloropropene	94		93		70-130	1		20
Bromoform	90		88		54-136	2		20
1,1,2,2-Tetrachloroethane	98		97		67-130	1		20
Benzene	99		97		70-130	2		20
Toluene	99		96		70-130	3		20
Ethylbenzene	98		94		70-130	4		20
Chloromethane	92		90		64-130	2		20
Bromomethane	76		77		39-139	1		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC Q3 GW SAMPLING
Project Number: 01304

Lab Number: L2358550
Report Date: 10/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1838882-3 WG1838882-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	98		97		61-145	1		20
trans-1,2-Dichloroethene	99		98		70-130	1		20
Trichloroethene	97		95		70-130	2		20
1,2-Dichlorobenzene	100		98		70-130	2		20
1,3-Dichlorobenzene	100		96		70-130	4		20
1,4-Dichlorobenzene	100		96		70-130	4		20
Methyl tert butyl ether	92		92		63-130	0		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	100		98		70-130	2		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	92		92		36-147	0		20
Acetone	82		82		58-148	0		20
Carbon disulfide	99		96		51-130	3		20
2-Butanone	88		90		63-138	2		20
4-Methyl-2-pentanone	86		87		59-130	1		20
2-Hexanone	85		86		57-130	1		20
Bromochloromethane	100		99		70-130	1		20
1,2-Dibromoethane	96		93		70-130	3		20
1,2-Dibromo-3-chloropropane	91		92		41-144	1		20
Isopropylbenzene	98		94		70-130	4		20
1,2,3-Trichlorobenzene	98		98		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC Q3 GW SAMPLING
Project Number: 01304

Lab Number: L2358550
Report Date: 10/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1838882-3 WG1838882-4								
1,2,4-Trichlorobenzene	99		96		70-130	3		20
Methyl Acetate	93		97		70-130	4		20
Cyclohexane	95		92		70-130	3		20
1,4-Dioxane	90		90		56-162	0		20
Freon-113	99		96		70-130	3		20
Methyl cyclohexane	94		91		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		101		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	101		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: MPC Q3 GW SAMPLING

Project Number: 01304

Lab Number: L2358550

Report Date: 10/13/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1838882-6 WG1838882-7 QC Sample: L2358550-04 Client ID: MW-12 (100323)												
Methylene chloride	ND	10	11	110		10	100		70-130	10		20
1,1-Dichloroethane	ND	10	11	110		10	100		70-130	10		20
Chloroform	ND	10	11	110		10	100		70-130	10		20
Carbon tetrachloride	ND	10	11	110		10	100		63-132	10		20
1,2-Dichloropropane	ND	10	11	110		9.6	96		70-130	14		20
Dibromochloromethane	ND	10	9.9	99		9.0	90		63-130	10		20
1,1,2-Trichloroethane	ND	10	10	100		9.4	94		70-130	6		20
Tetrachloroethene	ND	10	10	100		9.3	93		70-130	7		20
Chlorobenzene	ND	10	10	100		9.2	92		75-130	8		20
Trichlorofluoromethane	ND	10	12	120		11	110		62-150	9		20
1,2-Dichloroethane	ND	10	11	110		9.6	96		70-130	14		20
1,1,1-Trichloroethane	ND	10	11	110		10	100		67-130	10		20
Bromodichloromethane	ND	10	10	100		9.4	94		67-130	6		20
trans-1,3-Dichloropropene	ND	10	9.7	97		8.7	87		70-130	11		20
cis-1,3-Dichloropropene	ND	10	9.8	98		8.8	88		70-130	11		20
Bromoform	ND	10	9.1	91		8.5	85		54-136	7		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		9.5	95		67-130	5		20
Benzene	ND	10	11	110		9.9	99		70-130	11		20
Toluene	ND	10	10	100		9.7	97		70-130	3		20
Ethylbenzene	ND	10	10	100		9.1	91		70-130	9		20
Chloromethane	ND	10	11	110		9.7	97		64-130	13		20
Bromomethane	ND	10	7.1	71		5.9	59		39-139	18		20
Vinyl chloride	ND	10	12	120		11	110		55-140	9		20

Matrix Spike Analysis
Batch Quality Control

Project Name: MPC Q3 GW SAMPLING
Project Number: 01304
Lab Number: L2358550
Report Date: 10/13/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1838882-6 WG1838882-7 QC Sample: L2358550-04 Client ID: MW-12 (100323)												
Chloroethane	ND	10	13	130		12	120		55-138	8		20
1,1-Dichloroethene	ND	10	12	120		10	100		61-145	18		20
trans-1,2-Dichloroethene	ND	10	11	110		10	100		70-130	10		20
Trichloroethene	0.18J	10	11	110		9.7	97		70-130	13		20
1,2-Dichlorobenzene	ND	10	9.3	93		8.7	87		70-130	7		20
1,3-Dichlorobenzene	ND	10	9.1	91		8.4	84		70-130	8		20
1,4-Dichlorobenzene	ND	10	9.2	92		8.4	84		70-130	9		20
Methyl tert butyl ether	ND	10	10	100		9.4	94		63-130	6		20
p/m-Xylene	ND	20	20	100		18	90		70-130	11		20
o-Xylene	ND	20	20	100		18	90		70-130	11		20
cis-1,2-Dichloroethene	ND	10	11	110		10	100		70-130	10		20
Styrene	ND	20	19	95		17	85		70-130	11		20
Dichlorodifluoromethane	ND	10	11	110		10	100		36-147	10		20
Acetone	ND	10	12	120		11	110		58-148	9		20
Carbon disulfide	ND	10	12	120		11	110		51-130	9		20
2-Butanone	ND	10	10	100		9.0	90		63-138	11		20
4-Methyl-2-pentanone	ND	10	9.6	96		8.8	88		59-130	9		20
2-Hexanone	ND	10	9.4	94		8.7	87		57-130	8		20
Bromochloromethane	ND	10	11	110		10	100		70-130	10		20
1,2-Dibromoethane	ND	10	10	100		9.3	93		70-130	7		20
1,2-Dibromo-3-chloropropane	ND	10	9.3	93		8.9	89		41-144	4		20
Isopropylbenzene	ND	10	9.5	95		8.9	89		70-130	7		20
1,2,3-Trichlorobenzene	ND	10	9.2	92		8.3	83		70-130	10		20

Matrix Spike Analysis

Batch Quality Control

Project Name: MPC Q3 GW SAMPLING

Project Number: 01304

Lab Number: L2358550

Report Date: 10/13/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1838882-6 WG1838882-7 QC Sample: L2358550-04 Client ID: MW-12 (100323)												
1,2,4-Trichlorobenzene	ND	10	8.9	89		8.0	80		70-130	11		20
Methyl Acetate	ND	10	10	100		9.3	93		70-130	7		20
Cyclohexane	ND	10	11	110		9.7J	97		70-130	13		20
1,4-Dioxane	ND	500	420	84		530	106		56-162	**23**	Q	20
Freon-113	ND	10	11	110		10	100		70-130	10		20
Methyl cyclohexane	ND	10	9.8J	98		8.5J	85		70-130	14		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		102		70-130
4-Bromofluorobenzene	95		99		70-130
Dibromofluoromethane	104		103		70-130
Toluene-d8	100		102		70-130

Project Name: MPC Q3 GW SAMPLING
Project Number: 01304

Lab Number: L2358550
Report Date: 10/13/23

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(*)
L2358550-01A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-01B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-01C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-02A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-02B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-02C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-03A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-03B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-03C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-04A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-04A1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-04A2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-04B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-04B1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-04B2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-04C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-04C1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-04C2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-05A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-05B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-05C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-06A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-06B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: MPC Q3 GW SAMPLING
Project Number: 01304

Lab Number: L2358550
Report Date: 10/13/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2358550-07A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-07B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2358550-07C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	MPC Q3 GW SAMPLING	**Lab Number:**	L2358550
Project Number:	01304	**Report Date:**	10/13/23

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	MPC Q3 GW SAMPLING	**Lab Number:**	L2358550
Project Number:	01304	**Report Date:**	10/13/23

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

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	MPC Q3 GW SAMPLING	**Lab Number:**	L2358550
Project Number:	01304	**Report Date:**	10/13/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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 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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	MPC Q3 GW SAMPLING	**Lab Number:**	L2358550
Project Number:	01304	**Report Date:**	10/13/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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: 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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

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, EPA 537.1.

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

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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: 10/5/23

ALPHA Job #: L2358550

Client Information
Client: Env Advantage, Inc.
Address: 3636 North Buffalo rd
Orchard Park, NY, 14127
Phone: (716) 667-3130
Fax: (716) 667-3156
Email: Mhanna@envadvantage.com

Project Information
Project Name: MPC Q3 groundwater sampling
Project Location: MCDPAC corp Buffalo, New York
Project # 01304
(Use Project name as Project #) ☐
Project Manager: Mark Hanna / Mary Szustak
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

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

Billing Information
☒ Same as Client Info
PO # 01304

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 also email ~~results to~~ lab results @envadvantage.com

Please specify Metals or TAL.

ANALYSIS
VOCs 8260 TCL

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

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260 TCL	Sample Specific Comments
58550-01	MW-3 (100323)	10/03/23	12:43	GW	RH	X	
-02	MW-11 (100323)	10/03/23	13:12	GW		X	
-03	MW-11 (100323) Duplicate	10/03/23	13:21	GW		X	
-04	MW-12 (100323)	10/03/23	11:15	GW		X	
-05	MW-12 (100323) MS	10/03/23	11:15	GW		X	
-06	MW-12 (100323) MSD	10/03/23	11:15	GW		X	
-05	MW-13 (100323)	10/03/23	10:27	GW		X	
-08	Trip Blank (100323)	10/03/23	13:00	GW		X	
-07	Cinsate Blank (100323)	10/03/23	13:21	GW		X	

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: V
Preservative: B

Relinquished By:	Date/Time	Received By:	Date/Time
Emily Stacy	10/4/23 14:20	[signature] AAL	10/4/23 14:20
[signature] AAL	10/4/23 16:10	[signature]	10/5/23 0100

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:	L2402604
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	MPC Q1 GW SAMPLING
Project Number:	01304
Report Date:	01/18/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304

Lab Number: L2402604
Report Date: 01/18/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2402604-01	MW-3 (011224)	WATER	MODPAC CORP. BUFFALO, NY	01/12/24 10:34	01/16/24
L2402604-02	MW-11 (011224)	WATER	MODPAC CORP. BUFFALO, NY	01/12/24 11:14	01/16/24
L2402604-03	MW-11 (011224) DUPLICATE	WATER	MODPAC CORP. BUFFALO, NY	01/12/24 11:14	01/16/24
L2402604-04	MW-12 (011224)	WATER	MODPAC CORP. BUFFALO, NY	01/12/24 12:14	01/16/24
L2402604-05	MW-13 (011224)	WATER	MODPAC CORP. BUFFALO, NY	01/12/24 12:52	01/16/24
L2402604-06	TRIP BLANK (011224)	WATER	MODPAC CORP. BUFFALO, NY	01/12/24 00:00	01/16/24
L2402604-07	RINSTATE BLANK (011224)	WATER	MODPAC CORP. BUFFALO, NY	01/12/24 12:52	01/16/24

Project Name:	MPC Q1 GW SAMPLING	**Lab Number:**	L2402604
Project Number:	01304	**Report Date:**	01/18/24

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:	MPC Q1 GW SAMPLING	**Lab Number:**	L2402604
Project Number:	01304	**Report Date:**	01/18/24

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.

Sample Receipt

L2402604-01: The sample identified as "MW-3 (011223)" on the chain of custody was identified as "MW-3 (011224)" on the container label. At the client's request, the sample is reported as "MW-3 (011224)".
L2402604-02: The sample identified as "MW-11 (011223)" on the chain of custody was identified as "MW-11 (011224)" on the container label. At the client's request, the sample is reported as "MW-11 (011224)".
L2402604-03: The sample identified as "MW-11 (011223) DUPLICATE" on the chain of custody was identified as "MW-11 (011224) DUPLICATE" on the container label. At the client's request, the sample is reported as "MW-11 (011224) DUPLICATE".
L2402604-04: The sample identified as "MW-12 (011223)" on the chain of custody was identified as "MW-12 (011224)" on the container label. At the client's request, the sample is reported as "MW-12 (011224)".
L2402604-05: The sample identified as "MW-13 (011223)" on the chain of custody was identified as "MW-13 (011224)" on the container label. At the client's request, the sample is reported as "MW-13 (011224)".
L2402604-06: The sample identified as "TRIP BLANK (011223)" on the chain of custody was identified as "TRIP BLANK (011224)" on the container label. At the client's request, the sample is reported as "TRIP BLANK (011224)".
L2402604-07: The sample identified as "RINSTATE BLANK (011223)" on the chain of custody was identified as "RINSTATE BLANK (011224)" on the container label. At the client's request, the sample is reported as "RINSTATE BLANK (011224)".

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: Kelly O'Neill

Title: Technical Director/Representative Date: 01/18/24

ORGANICS

VOLATILES

Project Name: MPC Q1 GW SAMPLING **Lab Number:** L2402604

Project Number: 01304 **Report Date:** 01/18/24

SAMPLE RESULTS

Lab ID: L2402604-01 D
Client ID: MW-3 (011224)
Sample Location: MODPAC CORP. BUFFALO, NY

Date Collected: 01/12/24 10:34
Date Received: 01/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/17/24 20:41
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	1.7	J	ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.35	J	ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	5.4		ug/l	5.0	1.4	2
Trichloroethene	330		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: MPC Q1 GW SAMPLING **Lab Number:** L2402604

Project Number: 01304 **Report Date:** 01/18/24

SAMPLE RESULTS

Lab ID: L2402604-01 D Date Collected: 01/12/24 10:34

Client ID: MW-3 (011224) Date Received: 01/16/24

Sample Location: MODPAC CORP. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	66		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304
Lab Number: L2402604
Report Date: 01/18/24

SAMPLE RESULTS

Lab ID: L2402604-02
Client ID: MW-11 (011224)
Sample Location: MODPAC CORP. BUFFALO, NY

Date Collected: 01/12/24 11:14
Date Received: 01/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/17/24 20:18
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	8.7		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.22	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	13		ug/l	2.5	0.70	1
Trichloroethene	12		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q1 GW SAMPLING **Lab Number:** L2402604

Project Number: 01304 **Report Date:** 01/18/24

SAMPLE RESULTS

Lab ID: L2402604-02 Date Collected: 01/12/24 11:14

Client ID: MW-11 (011224) Date Received: 01/16/24

Sample Location: MODPAC CORP. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	11		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	107		70-130

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304
Lab Number: L2402604
Report Date: 01/18/24

SAMPLE RESULTS

Lab ID: L2402604-03
Client ID: MW-11 (011224) DUPLICATE
Sample Location: MODPAC CORP. BUFFALO, NY

Date Collected: 01/12/24 11:14
Date Received: 01/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/17/24 19:54
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.18	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	10		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.36	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	17		ug/l	2.5	0.70	1
Trichloroethene	32		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q1 GW SAMPLING **Lab Number:** L2402604

Project Number: 01304 **Report Date:** 01/18/24

SAMPLE RESULTS

Lab ID: L2402604-03 Date Collected: 01/12/24 11:14

Client ID: MW-11 (011224) DUPLICATE Date Received: 01/16/24

Sample Location: MODPAC CORP. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	13		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	107		70-130

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304
Lab Number: L2402604
Report Date: 01/18/24

SAMPLE RESULTS

Lab ID: L2402604-04
Client ID: MW-12 (011224)
Sample Location: MODPAC CORP. BUFFALO, NY

Date Collected: 01/12/24 12:14
Date Received: 01/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/17/24 19:30
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q1 GW SAMPLING **Lab Number:** L2402604

Project Number: 01304 **Report Date:** 01/18/24

SAMPLE RESULTS

Lab ID: L2402604-04 Date Collected: 01/12/24 12:14

Client ID: MW-12 (011224) Date Received: 01/16/24

Sample Location: MODPAC CORP. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	107		70-130

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304
Lab Number: L2402604
Report Date: 01/18/24

SAMPLE RESULTS

Lab ID: L2402604-05
Client ID: MW-13 (011224)
Sample Location: MODPAC CORP. BUFFALO, NY

Date Collected: 01/12/24 12:52
Date Received: 01/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/17/24 19:07
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	9.1		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.18	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	36		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q1 GW SAMPLING **Lab Number:** L2402604

Project Number: 01304 **Report Date:** 01/18/24

SAMPLE RESULTS

Lab ID: L2402604-05 Date Collected: 01/12/24 12:52

Client ID: MW-13 (011224) Date Received: 01/16/24

Sample Location: MODPAC CORP. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	35		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	107		70-130

Project Name: MPC Q1 GW SAMPLING **Lab Number:** L2402604

Project Number: 01304 **Report Date:** 01/18/24

SAMPLE RESULTS

Lab ID: L2402604-06 Date Collected: 01/12/24 00:00

Client ID: TRIP BLANK (011224) Date Received: 01/16/24

Sample Location: MODPAC CORP. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 01/17/24 13:03

Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q1 GW SAMPLING **Lab Number:** L2402604

Project Number: 01304 **Report Date:** 01/18/24

SAMPLE RESULTS

Lab ID: L2402604-06 Date Collected: 01/12/24 00:00

Client ID: TRIP BLANK (011224) Date Received: 01/16/24

Sample Location: MODPAC CORP. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304
Lab Number: L2402604
Report Date: 01/18/24

SAMPLE RESULTS

Lab ID: L2402604-07
Client ID: RINSTATE BLANK (011224)
Sample Location: MODPAC CORP. BUFFALO, NY
Date Collected: 01/12/24 12:52
Date Received: 01/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/17/24 13:25
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q1 GW SAMPLING **Lab Number:** L2402604

Project Number: 01304 **Report Date:** 01/18/24

SAMPLE RESULTS

Lab ID: L2402604-07 Date Collected: 01/12/24 12:52

Client ID: RINSTATE BLANK (011224) Date Received: 01/16/24

Sample Location: MODPAC CORP. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

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

Project Name: MPC Q1 GW SAMPLING **Lab Number:** L2402604

Project Number: 01304 **Report Date:** 01/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/17/24 08:15
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1875208-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: MPC Q1 GW SAMPLING **Lab Number:** L2402604

Project Number: 01304 **Report Date:** 01/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/17/24 08:15
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1875208-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304
Lab Number: L2402604
Report Date: 01/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/17/24 08:15
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1875208-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: MPC Q1 GW SAMPLING **Lab Number:** L2402604

Project Number: 01304 **Report Date:** 01/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/17/24 17:08
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1875586-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: MPC Q1 GW SAMPLING **Lab Number:** L2402604

Project Number: 01304 **Report Date:** 01/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/17/24 17:08
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1875586-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304
Lab Number: L2402604
Report Date: 01/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/17/24 17:08
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1875586-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304
Lab Number: L2402604
Report Date: 01/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1875208-3 WG1875208-4								
Methylene chloride	96		99		70-130	3		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	99		100		70-130	1		20
Carbon tetrachloride	95		96		63-132	1		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	93		95		63-130	2		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	97		96		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	97		99		70-130	2		20
1,1,1-Trichloroethane	94		96		67-130	2		20
Bromodichloromethane	95		97		67-130	2		20
trans-1,3-Dichloropropene	98		99		70-130	1		20
cis-1,3-Dichloropropene	94		96		70-130	2		20
Bromoform	96		95		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	98		100		70-130	2		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		120		64-130	9		20
Bromomethane	92		98		39-139	6		20
Vinyl chloride	120		120		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MPC Q1 GW SAMPLING

Project Number: 01304

Lab Number: L2402604

Report Date: 01/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1875208-3 WG1875208-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	95		98		61-145	3		20
trans-1,2-Dichloroethene	98		99		70-130	1		20
Trichloroethene	98		98		70-130	0		20
1,2-Dichlorobenzene	110		100		70-130	10		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	90		94		63-130	4		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	98		99		70-130	1		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	130		130		36-147	0		20
Acetone	92		98		58-148	6		20
Carbon disulfide	95		98		51-130	3		20
2-Butanone	95		100		63-138	5		20
4-Methyl-2-pentanone	92		92		59-130	0		20
2-Hexanone	92		92		57-130	0		20
Bromochloromethane	97		99		70-130	2		20
1,2-Dibromoethane	96		99		70-130	3		20
1,2-Dibromo-3-chloropropane	100		99		41-144	1		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	100		99		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304
Lab Number: L2402604
Report Date: 01/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1875208-3 WG1875208-4								
1,2,4-Trichlorobenzene	100		99		70-130	1		20
Methyl Acetate	93		99		70-130	6		20
Cyclohexane	91		91		70-130	0		20
1,4-Dioxane	144		142		56-162	1		20
Freon-113	90		92		70-130	2		20
Methyl cyclohexane	87		87		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		103		70-130
Toluene-d8	106		104		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	98		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304

Lab Number: L2402604
Report Date: 01/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1875586-3 WG1875586-4								
Methylene chloride	96		100		70-130	4		20
1,1-Dichloroethane	98		98		70-130	0		20
Chloroform	94		94		70-130	0		20
Carbon tetrachloride	100		98		63-132	2		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	95		98		63-130	3		20
1,1,2-Trichloroethane	92		96		70-130	4		20
Tetrachloroethene	120		110		70-130	9		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	90		95		70-130	5		20
1,1,1-Trichloroethane	100		96		67-130	4		20
Bromodichloromethane	92		96		67-130	4		20
trans-1,3-Dichloropropene	92		96		70-130	4		20
cis-1,3-Dichloropropene	94		97		70-130	3		20
Bromoform	92		100		54-136	8		20
1,1,2,2-Tetrachloroethane	85		98		67-130	14		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	84		87		64-130	4		20
Bromomethane	77		85		39-139	10		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304

Lab Number: L2402604
Report Date: 01/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1875586-3 WG1875586-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	96		99		61-145	3		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	98		97		70-130	1		20
1,2-Dichlorobenzene	110		120		70-130	9		20
1,3-Dichlorobenzene	120		120		70-130	0		20
1,4-Dichlorobenzene	120		120		70-130	0		20
Methyl tert butyl ether	85		96		63-130	12		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	110		110		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	110		105		70-130	5		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	69		83		58-148	18		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	70		88		63-138	**23**	Q	20
4-Methyl-2-pentanone	78		89		59-130	13		20
2-Hexanone	75		86		57-130	14		20
Bromochloromethane	100		110		70-130	10		20
1,2-Dibromoethane	90		97		70-130	7		20
1,2-Dibromo-3-chloropropane	80		96		41-144	18		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	86		100		70-130	15		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304

Lab Number: L2402604
Report Date: 01/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1875586-3 WG1875586-4								
1,2,4-Trichlorobenzene	99		110		70-130	11		20
Methyl Acetate	80		99		70-130	**21**	Q	20
Cyclohexane	100		97		70-130	3		20
1,4-Dioxane	80		96		56-162	18		20
Freon-113	100		98		70-130	2		20
Methyl cyclohexane	100		93		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		96		70-130
Toluene-d8	103		101		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	96		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: MPC Q1 GW SAMPLING

Project Number: 01304

Lab Number: L2402604

Report Date: 01/18/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1875586-6 WG1875586-7 QC Sample: L2402604-04 Client ID: MW-12 (011224)												
Methylene chloride	ND	10	11	110		9.6	96		70-130	14		20
1,1-Dichloroethane	ND	10	11	110		9.8	98		70-130	12		20
Chloroform	ND	10	10	100		9.4	94		70-130	6		20
Carbon tetrachloride	ND	10	11	110		10	100		63-132	10		20
1,2-Dichloropropane	ND	10	11	110		10	100		70-130	10		20
Dibromochloromethane	ND	10	11	110		10	100		63-130	10		20
1,1,2-Trichloroethane	ND	10	10	100		10	100		70-130	0		20
Tetrachloroethene	ND	10	12	120		12	120		70-130	0		20
Chlorobenzene	ND	10	12	120		11	110		75-130	9		20
Trichlorofluoromethane	ND	10	12	120		10	100		62-150	18		20
1,2-Dichloroethane	ND	10	10	100		9.4	94		70-130	6		20
1,1,1-Trichloroethane	ND	10	11	110		9.9	99		67-130	11		20
Bromodichloromethane	ND	10	10	100		9.3	93		67-130	7		20
trans-1,3-Dichloropropene	ND	10	10	100		9.2	92		70-130	8		20
cis-1,3-Dichloropropene	ND	10	10	100		9.2	92		70-130	8		20
Bromoform	ND	10	10	100		9.8	98		54-136	2		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		9.5	95		67-130	5		20
Benzene	ND	10	11	110		10	100		70-130	10		20
Toluene	ND	10	11	110		11	110		70-130	0		20
Ethylbenzene	ND	10	12	120		11	110		70-130	9		20
Chloromethane	ND	10	9.5	95		9.0	90		64-130	5		20
Bromomethane	ND	10	4.7	47		4.4	44		39-139	7		20
Vinyl chloride	ND	10	12	120		10	100		55-140	18		20

Matrix Spike Analysis

Batch Quality Control

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304
Lab Number: L2402604
Report Date: 01/18/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1875586-6 WG1875586-7 QC Sample: L2402604-04 Client ID: MW-12 (011224)												
Chloroethane	ND	10	13	130		12	120		55-138	8		20
1,1-Dichloroethene	ND	10	11	110		9.8	98		61-145	12		20
trans-1,2-Dichloroethene	ND	10	11	110		10	100		70-130	10		20
Trichloroethene	ND	10	11	110		9.9	99		70-130	11		20
1,2-Dichlorobenzene	ND	10	12	120		12	120		70-130	0		20
1,3-Dichlorobenzene	ND	10	12	120		12	120		70-130	0		20
1,4-Dichlorobenzene	ND	10	12	120		12	120		70-130	0		20
Methyl tert butyl ether	ND	10	11	110		9.8	98		63-130	12		20
p/m-Xylene	ND	20	23	115		22	110		70-130	4		20
o-Xylene	ND	20	23	115		22	110		70-130	4		20
cis-1,2-Dichloroethene	ND	10	11	110		10	100		70-130	10		20
Styrene	ND	20	23	115		21	105		70-130	9		20
Dichlorodifluoromethane	ND	10	11	110		10	100		36-147	10		20
Acetone	ND	10	9.3	93		8.2	82		58-148	13		20
Carbon disulfide	ND	10	11	110		10	100		51-130	10		20
2-Butanone	ND	10	9.4	94		8.3	83		63-138	12		20
4-Methyl-2-pentanone	ND	10	9.8	98		9.4	94		59-130	4		20
2-Hexanone	ND	10	9.0	90		8.3	83		57-130	8		20
Bromochloromethane	ND	10	12	120		10	100		70-130	18		20
1,2-Dibromoethane	ND	10	10	100		9.9	99		70-130	1		20
1,2-Dibromo-3-chloropropane	ND	10	9.5	95		9.1	91		41-144	4		20
Isopropylbenzene	ND	10	12	120		11	110		70-130	9		20
1,2,3-Trichlorobenzene	ND	10	11	110		10	100		70-130	10		20

Matrix Spike Analysis

Batch Quality Control

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304
Lab Number: L2402604
Report Date: 01/18/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1875586-6 WG1875586-7 QC Sample: L2402604-04 Client ID: MW-12 (011224)												
1,2,4-Trichlorobenzene	ND	10	12	120		11	110		70-130	9		20
Methyl Acetate	ND	10	9.4	94		7.6	76		70-130	**21**	Q	20
Cyclohexane	ND	10	11	110		9.7J	97		70-130	13		20
1,4-Dioxane	ND	500	460	92		460	92		56-162	0		20
Freon-113	ND	10	10	100		9.6	96		70-130	4		20
Methyl cyclohexane	ND	10	9.9J	99		9.4J	94		70-130	5		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		94		70-130
4-Bromofluorobenzene	99		102		70-130
Dibromofluoromethane	99		95		70-130
Toluene-d8	102		104		70-130

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304

Lab Number: L2402604
Report Date: 01/18/24

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(*)
L2402604-01A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-01B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-01C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-02A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-02B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-02C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-03A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-03B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-03C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-04A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-04A1	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-04A2	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-04B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-04B1	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-04B2	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-04C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-04C1	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-04C2	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-05A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-05B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-05C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-06A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-06B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: MPC Q1 GW SAMPLING
Project Number: 01304

Lab Number: L2402604
Report Date: 01/18/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2402604-07A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-07B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2402604-07C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	MPC Q1 GW SAMPLING	**Lab Number:**	L2402604
Project Number:	01304	**Report Date:**	01/18/24

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	MPC Q1 GW SAMPLING	**Lab Number:**	L2402604
Project Number:	01304	**Report Date:**	01/18/24

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

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	MPC Q1 GW SAMPLING	**Lab Number:**	L2402604
Project Number:	01304	**Report Date:**	01/18/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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 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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	MPC Q1 GW SAMPLING	**Lab Number:**	L2402604
Project Number:	01304	**Report Date:**	01/18/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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: 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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

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, EPA 537.1.

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

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: 1/17/24

ALPHA Job #: L2402604

Client Information

Client: Environmental Advantage, Inc
Address: 3636 North Buffalo Rd
Orchard Park, NY 14127
Phone: (716) 667-3130
Fax: (716) 667-3156
Email: mhanna@envadvantage.com

Project Information

Project Name: MPC 01 Groundwater Sampling
Project Location: MODPAC corp - Buffalo, NY
Project #: 01304
(Use Project name as Project #) ☐
Project Manager: Mark Hanna & Mary Szustak
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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO # 01304

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 also email results to labresults@envadvantage.com

Please specify Metals or TAL.

ANALYSIS

VOCs 8260 TCL

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	VOCs 8260 TCL	Sample Specific Comments	Total Bottle
02604-01	MW-3 (011223)	01/12/23	10:34	GW	RH	X		
-02	MW-11 (011223)	01/12/23		GW	RH	X		
-03	MW-11 (011223) duplicate	01/12/23		GW	RH	X		
-04	MW-12 (011223)	01/12/23		GW	RH	X		
	MW-12 (011223) MS	01/12/23		GW	RH	X		
	MW-12 (011223) MSD	01/12/23		GW	RH	X		
-05	MW-13 (011223)	01/12/23		GW	RH	X		
-06	Trip Blank (011223)	01/12/23		GW	RH	X		
-07	Rinsate blank (011223)	01/12/23		GW	RH	X		

Container Type: V
Preservative: B

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
Tyler Hooker	01/16/24 13:31	T. BACKIN AHL	1/16/24 13:31
Tom BACKIN	1/16/24 16:20		1/17/24 0140

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:	L2419960
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	MPC Q2 GROUNDWATER SAMPLING
Project Number:	01304
Report Date:	04/18/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: MPC Q2 GROUNDWATER SAMPLING
Project Number: 01304

Lab Number: L2419960
Report Date: 04/18/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2419960-01	MW-3 (040924)	WATER	MOD-PAC CORP. BUFFALO, NY	04/09/24 11:08	04/11/24
L2419960-02	MW-11 (040924)	WATER	MOD-PAC CORP. BUFFALO, NY	04/09/24 12:15	04/11/24
L2419960-03	MW-11 (040924) DUPLICATE	WATER	MOD-PAC CORP. BUFFALO, NY	04/09/24 12:15	04/11/24
L2419960-04	MW-12 (040924)	WATER	MOD-PAC CORP. BUFFALO, NY	04/09/24 13:59	04/11/24
L2419960-05	MW-13 (040924)	WATER	MOD-PAC CORP. BUFFALO, NY	04/09/24 14:46	04/11/24
L2419960-06	TRIP BLANK (040924)	WATER	MOD-PAC CORP. BUFFALO, NY	04/09/24 14:30	04/11/24
L2419960-07	RINSTATE BLANK (040924)	WATER	MOD-PAC CORP. BUFFALO, NY	04/09/24 15:00	04/11/24

Project Name:	MPC Q2 GROUNDWATER SAMPLING	**Lab Number:**	L2419960
Project Number:	01304	**Report Date:**	04/18/24

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:	MPC Q2 GROUNDWATER SAMPLING	**Lab Number:**	L2419960
Project Number:	01304	**Report Date:**	04/18/24

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.

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: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative

Date: 04/18/24

ORGANICS

VOLATILES

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-01 D
Client ID: MW-3 (040924)
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 11:08
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/24 12:10
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	1.9	J	ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.41	J	ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	4.9	J	ug/l	5.0	1.4	2
Trichloroethene	300		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-01 D
Client ID: MW-3 (040924)
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 11:08
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	0.33	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	54		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	107		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-02
Client ID: MW-11 (040924)
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 12:15
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/24 12:35
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.17	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	12		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.52		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	18		ug/l	2.5	0.70	1
Trichloroethene	29		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-02 Date Collected: 04/09/24 12:15

Client ID: MW-11 (040924) Date Received: 04/11/24

Sample Location: MOD-PAC CORP. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	12		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	114		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-03
Client ID: MW-11 (040924) DUPLICATE
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 12:15
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/24 13:00
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	9.8		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.42	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	16		ug/l	2.5	0.70	1
Trichloroethene	24		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-03 Date Collected: 04/09/24 12:15

Client ID: MW-11 (040924) DUPLICATE Date Received: 04/11/24

Sample Location: MOD-PAC CORP. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	11		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	113		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-04
Client ID: MW-12 (040924)
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 13:59
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/24 13:26
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-04 Date Collected: 04/09/24 13:59

Client ID: MW-12 (040924) Date Received: 04/11/24

Sample Location: MOD-PAC CORP. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	111		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-05
Client ID: MW-13 (040924)
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 14:46
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/24 13:51
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	22		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.30	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.70	J	ug/l	2.5	0.70	1
Trichloroethene	43		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-05 Date Collected: 04/09/24 14:46

Client ID: MW-13 (040924) Date Received: 04/11/24

Sample Location: MOD-PAC CORP. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	55		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	109		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-06
Client ID: TRIP BLANK (040924)
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 14:30
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/24 14:17
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-06 Date Collected: 04/09/24 14:30

Client ID: TRIP BLANK (040924) Date Received: 04/11/24

Sample Location: MOD-PAC CORP. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	113		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-07
Client ID: RINSTATE BLANK (040924)
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 15:00
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/24 14:42
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-07 Date Collected: 04/09/24 15:00

Client ID: RINSTATE BLANK (040924) Date Received: 04/11/24

Sample Location: MOD-PAC CORP. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	115		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/15/24 08:22
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1909186-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/15/24 08:22
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1909186-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/15/24 08:22
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1909186-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC Q2 GROUNDWATER SAMPLING
Project Number: 01304

Lab Number: L2419960
Report Date: 04/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1909186-3 WG1909186-4								
Methylene chloride	96		94		70-130	2		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	92		94		63-132	2		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	94		92		63-130	2		20
1,1,2-Trichloroethane	94		96		70-130	2		20
Tetrachloroethene	97		96		70-130	1		20
Chlorobenzene	97		98		75-130	1		20
Trichlorofluoromethane	91		88		62-150	3		20
1,2-Dichloroethane	97		96		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	98		96		67-130	2		20
trans-1,3-Dichloropropene	96		94		70-130	2		20
cis-1,3-Dichloropropene	97		96		70-130	1		20
Bromoform	83		85		54-136	2		20
1,1,2,2-Tetrachloroethane	92		94		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	100		99		70-130	1		20
Ethylbenzene	98		98		70-130	0		20
Chloromethane	88		88		64-130	0		20
Bromomethane	130		120		39-139	8		20
Vinyl chloride	91		90		55-140	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC Q2 GROUNDWATER SAMPLING
Project Number: 01304
Lab Number: L2419960
Report Date: 04/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1909186-3 WG1909186-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	94		94		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	90		87		70-130	3		20
1,2-Dichlorobenzene	95		95		70-130	0		20
1,3-Dichlorobenzene	96		98		70-130	2		20
1,4-Dichlorobenzene	96		97		70-130	1		20
Methyl tert butyl ether	91		93		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	78		77		36-147	1		20
Acetone	84		87		58-148	4		20
Carbon disulfide	95		92		51-130	3		20
2-Butanone	81		87		63-138	7		20
4-Methyl-2-pentanone	78		76		59-130	3		20
2-Hexanone	75		77		57-130	3		20
Bromochloromethane	100		97		70-130	3		20
1,2-Dibromoethane	95		87		70-130	9		20
1,2-Dibromo-3-chloropropane	84		85		41-144	1		20
Isopropylbenzene	95		96		70-130	1		20
1,2,3-Trichlorobenzene	92		97		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MPC Q2 GROUNDWATER SAMPLING

Project Number: 01304

Lab Number: L2419960

Report Date: 04/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1909186-3 WG1909186-4								
1,2,4-Trichlorobenzene	89		93		70-130	4		20
Methyl Acetate	86		89		70-130	3		20
Cyclohexane	96		95		70-130	1		20
1,4-Dioxane	78		84		56-162	7		20
Freon-113	91		89		70-130	2		20
Methyl cyclohexane	96		96		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	102		100		70-130
Dibromofluoromethane	100		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: MPC Q2 GROUNDWATER SAMPLING

Project Number: 01304

Lab Number: L2419960

Report Date: 04/18/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1909186-6 WG1909186-7 QC Sample: L2419960-04 Client ID: MW-12 (040924)												
Methylene chloride	ND	10	9.6	96		9.9	99		70-130	3		20
1,1-Dichloroethane	ND	10	10	100		11	110		70-130	10		20
Chloroform	ND	10	10	100		11	110		70-130	10		20
Carbon tetrachloride	ND	10	10	100		11	110		63-132	10		20
1,2-Dichloropropane	ND	10	9.9	99		10	100		70-130	1		20
Dibromochloromethane	ND	10	9.2	92		9.5	95		63-130	3		20
1,1,2-Trichloroethane	ND	10	9.9	99		9.8	98		70-130	1		20
Tetrachloroethene	ND	10	10	100		10	100		70-130	0		20
Chlorobenzene	ND	10	9.7	97		10	100		75-130	3		20
Trichlorofluoromethane	ND	10	10	100		10	100		62-150	0		20
1,2-Dichloroethane	ND	10	9.7	97		10	100		70-130	3		20
1,1,1-Trichloroethane	ND	10	11	110		11	110		67-130	0		20
Bromodichloromethane	ND	10	9.8	98		10	100		67-130	2		20
trans-1,3-Dichloropropene	ND	10	9.0	90		9.3	93		70-130	3		20
cis-1,3-Dichloropropene	ND	10	8.6	86		9.0	90		70-130	5		20
Bromoform	ND	10	8.0	80		8.4	84		54-136	5		20
1,1,2,2-Tetrachloroethane	ND	10	9.4	94		9.3	93		67-130	1		20
Benzene	ND	10	10	100		11	110		70-130	10		20
Toluene	ND	10	10	100		10	100		70-130	0		20
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20
Chloromethane	ND	10	9.2	92		10	100		64-130	8		20
Bromomethane	ND	10	11	110		14	**140**	Q	39-139	**24**	Q	20
Vinyl chloride	ND	10	9.8	98		10	100		55-140	2		20

Matrix Spike Analysis

Batch Quality Control

Project Name: MPC Q2 GROUNDWATER SAMPLING

Project Number: 01304

Lab Number: L2419960

Report Date: 04/18/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1909186-6 WG1909186-7 QC Sample: L2419960-04 Client ID: MW-12 (040924)												
Chloroethane	ND	10	12	120		13	130		55-138	8		20
1,1-Dichloroethene	ND	10	11	110		11	110		61-145	0		20
trans-1,2-Dichloroethene	ND	10	10	100		11	110		70-130	10		20
Trichloroethene	ND	10	9.6	96		9.6	96		70-130	0		20
1,2-Dichlorobenzene	ND	10	9.3	93		9.5	95		70-130	2		20
1,3-Dichlorobenzene	ND	10	9.6	96		9.6	96		70-130	0		20
1,4-Dichlorobenzene	ND	10	9.2	92		9.4	94		70-130	2		20
Methyl tert butyl ether	ND	10	8.5	85		8.8	88		63-130	3		20
p/m-Xylene	ND	20	20	100		20	100		70-130	0		20
o-Xylene	ND	20	20	100		20	100		70-130	0		20
cis-1,2-Dichloroethene	ND	10	10	100		11	110		70-130	10		20
Styrene	ND	20	20	100		20	100		70-130	0		20
Dichlorodifluoromethane	ND	10	8.3	83		8.6	86		36-147	4		20
Acetone	ND	10	8.2	82		8.5	85		58-148	4		20
Carbon disulfide	ND	10	10	100		10	100		51-130	0		20
2-Butanone	ND	10	8.0	80		7.6	76		63-138	5		20
4-Methyl-2-pentanone	ND	10	7.4	74		7.7	77		59-130	4		20
2-Hexanone	ND	10	6.8	68		7.0	70		57-130	3		20
Bromochloromethane	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromoethane	ND	10	8.4	84		9.9	99		70-130	16		20
1,2-Dibromo-3-chloropropane	ND	10	8.0	80		8.0	80		41-144	0		20
Isopropylbenzene	ND	10	9.5	95		9.5	95		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	9.1	91		9.2	92		70-130	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: MPC Q2 GROUNDWATER SAMPLING
Project Number: 01304
Lab Number: L2419960
Report Date: 04/18/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1909186-6 WG1909186-7 QC Sample: L2419960-04 Client ID: MW-12 (040924)												
1,2,4-Trichlorobenzene	ND	10	8.6	86		8.5	85		70-130	1		20
Methyl Acetate	ND	10	7.9	79		7.9	79		70-130	0		20
Cyclohexane	ND	10	11	110		10	100		70-130	10		20
1,4-Dioxane	ND	500	310	62		370	74		56-162	18		20
Freon-113	ND	10	10	100		10	100		70-130	0		20
Methyl cyclohexane	ND	10	10	100		9.5J	95		70-130	5		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		104		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	102		102		70-130
Toluene-d8	101		102		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING
Project Number: 01304

Lab Number: L2419960
Report Date: 04/18/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2419960-01A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-01B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-01C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-02A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-02B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-02C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-03A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-03B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-03C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04A1	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04A2	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04B1	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04B2	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04C1	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04C2	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-05A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-05B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: MPC Q2 GROUNDWATER SAMPLING
Project Number: 01304

Lab Number: L2419960
Report Date: 04/18/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2419960-05C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-06A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-06B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-07A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-07B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-07C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	MPC Q2 GROUNDWATER SAMPLING	**Lab Number:**	L2419960
Project Number:	01304	**Report Date:**	04/18/24

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	MPC Q2 GROUNDWATER SAMPLING	**Lab Number:**	L2419960
Project Number:	01304	**Report Date:**	04/18/24

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

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	MPC Q2 GROUNDWATER SAMPLING	**Lab Number:**	L2419960
Project Number:	01304	**Report Date:**	04/18/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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 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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	MPC Q2 GROUNDWATER SAMPLING	**Lab Number:**	L2419960
Project Number:	01304	**Report Date:**	04/18/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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.
Nonpotable Water: EPA RSK-175 Dissolved 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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

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, EPA 537.1.

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

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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: 4/12/24

ALPHA Job #: L2419960

Client Information

Client: Env. Advantage, Inc.
Address: 3636 N. Buffalo Rd.
Orchard Park, NY 14127
Phone: 716 667 3130
Fax: 716 667 3156
Email: mhanna@envadvantage.com

Project Information

Project Name: MPC Q2 Groundwater Sampling
Project Location: Mod-Pac Corp. Buffalo, NY
Project #: 01304
(Use Project name as Project #)
Project Manager: Mark Hanna + Mary Szustak
ALPHAQuote #:

Turn-Around Time

Standard: X
Rush (only if pre approved): ☐
Due Date:
# of Days:

Deliverables

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

Billing Information

☒ Same as Client Info
PO # 01304

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 also email results to labresults@envadvantage.com.

Please specify Metals or TAL.

ANALYSIS

VOCs 8260TCL

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

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260TCL	Sample Specific Comments
19960-01	MW-3 (040924)	04/09/24	11:08	Water	CS	X	
02	MW-11 (040924)	04/09/24	12:15	Water	CS	X	
03	MW-11 (040924) Duplicate	04/09/24	12:15	Water	CS	X	
04	MW-12 (040924)	04/09/24	13:59	Water	CS	X	
05	MW-12 (040924) MS	04/09/24	13:59	Water	CS	X	
06	MW-12 (040924) MSD	04/09/24	13:59	Water	CS	X	
07	MW-13 (040924)	04/09/24	14:46	Water	CS	X	
08	Trip Blank (040924)	04/09/24	14:30	Water	CS	X	
09	Rinsate Blank (040924)	04/09/24	15:00	Water	CS	X	

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: V
Preservative: B

Relinquished By:	Date/Time	Received By:	Date/Time
Callie Snyder PA	4/11/24 15:10	PA	4/11/24 1510
	4/11/24 1555		4/12/24 0915

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:	L2313097
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	CY23 INDOOR AIR SAMPLING
Project Number:	01304
Report Date:	03/22/23

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2313097-01	IA-1 (030823)	AIR	1801 ELMWOOD AVE, BUFFALO NY	03/08/23 16:10	03/09/23
L2313097-02	IA-2 (030823)	AIR	1801 ELMWOOD AVE, BUFFALO NY	03/08/23 16:15	03/09/23
L2313097-03	IA-3 (030823)	AIR	1801 ELMWOOD AVE, BUFFALO NY	03/08/23 16:20	03/09/23
L2313097-04	IA-3 (030823)DUP	AIR	1801 ELMWOOD AVE, BUFFALO NY	03/08/23 16:20	03/09/23
L2313097-05	OA-1 (030823)	AIR	1801 ELMWOOD AVE, BUFFALO NY	03/08/23 16:00	03/09/23

Project Name:	CY23 INDOOR AIR SAMPLING	**Lab Number:**	L2313097
Project Number:	01304	**Report Date:**	03/22/23

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:	CY23 INDOOR AIR SAMPLING	**Lab Number:**	L2313097
Project Number:	01304	**Report Date:**	03/22/23

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 3, 2023. The canister certification results are provided as an addendum.

L2313097-01 and -02: The samples were re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

The WG1757190-3 LCS recovery for dibromochloromethane (131%) and bromoform (142%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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: Christopher J. Anderson

Title: Technical Director/Representative Date: 03/22/23

AIR

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-01
Client ID: IA-1 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:10
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/21/23 23:15
Analyst: TJS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.502	0.200	--	2.48	0.989	--		1
Chloromethane	0.581	0.200	--	1.20	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	122	5.00	--	230	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	208	1.00	--	494	2.38	--		1
Trichlorofluoromethane	0.417	0.200	--	2.34	1.12	--		1
Isopropanol	641	0.500	--	1580	1.23	--	E	1
Tertiary butyl Alcohol	17.6	0.500	--	53.4	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.976	0.500	--	2.88	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-01
Client ID: IA-1 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:10
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	13.7	0.200	--	48.3	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	0.308	0.200	--	1.06	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	2.40	0.200	--	11.2	0.934	--		1
Heptane	11.2	0.200	--	45.9	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	5.44	0.200	--	20.5	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.99	0.200	--	8.64	0.869	--		1
p/m-Xylene	6.95	0.400	--	30.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	1.48	0.200	--	6.30	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.84	0.200	--	7.99	0.869	--		1
4-Ethyltoluene	0.312	0.200	--	1.53	0.983	--		1
1,3,5-Trimethylbenzene	0.459	0.200	--	2.26	0.983	--		1

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-01
Client ID: IA-1 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:10
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	1.35	0.200	--	6.64	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-01
Client ID: IA-1 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:10
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/21/23 23:15
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.027	0.020	--	0.147	0.109	--		1
Carbon tetrachloride	0.096	0.020	--	0.604	0.126	--		1
Trichloroethene	0.176	0.020	--	0.946	0.107	--		1
Tetrachloroethene	0.198	0.020	--	1.34	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	99		60-140

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-01 D
Client ID: IA-1 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:10
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/22/23 06:44
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Isopropanol	630	5.00	--	1550	12.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	90		60-140

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-02
Client ID: IA-2 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:15
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/21/23 23:53
Analyst: TJS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.522	0.200	--	2.58	0.989	--		1
Chloromethane	0.570	0.200	--	1.18	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	122	5.00	--	230	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	206	1.00	--	489	2.38	--		1
Trichlorofluoromethane	0.415	0.200	--	2.33	1.12	--		1
Isopropanol	617	0.500	--	1520	1.23	--	E	1
Tertiary butyl Alcohol	16.6	0.500	--	50.3	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.885	0.500	--	2.61	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.544	0.500	--	1.60	1.47	--		1

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-02
Client ID: IA-2 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:15
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	14.1	0.200	--	49.7	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	0.323	0.200	--	1.11	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	2.43	0.200	--	11.3	0.934	--		1
Heptane	10.9	0.200	--	44.7	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	5.52	0.200	--	20.8	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.99	0.200	--	8.64	0.869	--		1
p/m-Xylene	6.92	0.400	--	30.1	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	1.36	0.200	--	5.79	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.82	0.200	--	7.91	0.869	--		1
4-Ethyltoluene	0.365	0.200	--	1.79	0.983	--		1
1,3,5-Trimethylbenzene	0.446	0.200	--	2.19	0.983	--		1

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-02
Client ID: IA-2 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:15
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	1.31	0.200	--	6.44	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-02
Client ID: IA-2 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:15
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/21/23 23:53
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.022	0.020	--	0.120	0.109	--		1
Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--		1
Trichloroethene	0.181	0.020	--	0.973	0.107	--		1
Tetrachloroethene	0.195	0.020	--	1.32	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	96		60-140

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-02 D
Client ID: IA-2 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:15
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/22/23 07:19
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Isopropanol	606	5.00	--	1490	12.3	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	86		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	85		60-140

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-03
Client ID: IA-3 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:20
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/22/23 00:32
Analyst: TJS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.541	0.200	--	2.68	0.989	--		1
Chloromethane	0.780	0.200	--	1.61	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	12.6	5.00	--	23.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	46.4	1.00	--	110	2.38	--		1
Trichlorofluoromethane	0.243	0.200	--	1.37	1.12	--		1
Isopropanol	26.2	0.500	--	64.4	1.23	--		1
Tertiary butyl Alcohol	0.940	0.500	--	2.85	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.207	0.200	--	0.645	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.367	0.200	--	1.79	0.977	--		1
Tetrahydrofuran	0.709	0.500	--	2.09	1.47	--		1

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-03
Client ID: IA-3 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:20
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.796	0.200	--	2.81	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	2.44	0.200	--	10.0	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.667	0.500	--	2.73	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.656	0.200	--	2.47	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.967	0.200	--	4.20	0.869	--		1
p/m-Xylene	3.92	0.400	--	17.0	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.28	0.200	--	5.56	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-03
Client ID: IA-3 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:20
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	84		60-140

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-03
Client ID: IA-3 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:20
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/22/23 00:32
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.070	0.020	--	0.475	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	87		60-140

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-04
Client ID: IA-3 (030823)DUP
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:20
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/22/23 01:10
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.519	0.200	--	2.57	0.989	--		1
Chloromethane	0.787	0.200	--	1.63	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	12.1	5.00	--	22.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	48.4	1.00	--	115	2.38	--		1
Trichlorofluoromethane	0.238	0.200	--	1.34	1.12	--		1
Isopropanol	26.3	0.500	--	64.6	1.23	--		1
Tertiary butyl Alcohol	0.885	0.500	--	2.68	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.209	0.200	--	0.651	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.385	0.200	--	1.88	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-04
Client ID: IA-3 (030823)DUP
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:20
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.789	0.200	--	2.78	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	2.60	0.200	--	10.7	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.752	0.500	--	3.08	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.618	0.200	--	2.33	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.992	0.200	--	4.31	0.869	--		1
p/m-Xylene	4.11	0.400	--	17.9	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.35	0.200	--	5.86	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-04
Client ID: IA-3 (030823)DUP
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:20
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	87		60-140

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-04
Client ID: IA-3 (030823)DUP
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:20
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/22/23 01:10
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.069	0.020	--	0.468	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	91		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-05
Client ID: OA-1 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:00
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/22/23 02:27
Analyst: TJS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.500	0.200	--	2.47	0.989	--		1
Chloromethane	0.541	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.23	1.00	--	7.67	2.38	--		1
Trichlorofluoromethane	0.225	0.200	--	1.26	1.12	--		1
Isopropanol	4.40	0.500	--	10.8	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-05
Client ID: OA-1 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:00
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-05
Client ID: OA-1 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:00
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	88		60-140

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

SAMPLE RESULTS

Lab ID: L2313097-05
Client ID: OA-1 (030823)
Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:00
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/22/23 02:27
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.120	0.020	--	0.814	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	91		60-140

Project Name: CY23 INDOOR AIR SAMPLING **Lab Number:** L2313097

Project Number: 01304 **Report Date:** 03/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/21/23 16:03

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1757190-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: CY23 INDOOR AIR SAMPLING **Lab Number:** L2313097

Project Number: 01304 **Report Date:** 03/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/21/23 16:03

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1757190-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/21/23 16:03

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1757190-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304
Lab Number: L2313097
Report Date: 03/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/21/23 16:42

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-05 Batch: WG1757192-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1757190-3								
Dichlorodifluoromethane	100		-		70-130	-		
Chloromethane	91		-		70-130	-		
Freon-114	95		-		70-130	-		
Vinyl chloride	90		-		70-130	-		
1,3-Butadiene	89		-		70-130	-		
Bromomethane	96		-		70-130	-		
Chloroethane	88		-		70-130	-		
Ethanol	78		-		40-160	-		
Vinyl bromide	100		-		70-130	-		
Acetone	100		-		40-160	-		
Trichlorofluoromethane	106		-		70-130	-		
Isopropanol	89		-		40-160	-		
1,1-Dichloroethene	100		-		70-130	-		
Tertiary butyl Alcohol	92		-		70-130	-		
Methylene chloride	95		-		70-130	-		
3-Chloropropene	102		-		70-130	-		
Carbon disulfide	98		-		70-130	-		
Freon-113	105		-		70-130	-		
trans-1,2-Dichloroethene	98		-		70-130	-		
1,1-Dichloroethane	99		-		70-130	-		
Methyl tert butyl ether	93		-		70-130	-		
2-Butanone	98		-		70-130	-		
cis-1,2-Dichloroethene	102		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1757190-3								
Ethyl Acetate	104		-		70-130	-		
Chloroform	103		-		70-130	-		
Tetrahydrofuran	94		-		70-130	-		
1,2-Dichloroethane	102		-		70-130	-		
n-Hexane	96		-		70-130	-		
1,1,1-Trichloroethane	114		-		70-130	-		
Benzene	88		-		70-130	-		
Carbon tetrachloride	122		-		70-130	-		
Cyclohexane	96		-		70-130	-		
1,2-Dichloropropane	100		-		70-130	-		
Bromodichloromethane	114		-		70-130	-		
1,4-Dioxane	96		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	98		-		70-130	-		
Heptane	99		-		70-130	-		
cis-1,3-Dichloropropene	102		-		70-130	-		
4-Methyl-2-pentanone	103		-		70-130	-		
trans-1,3-Dichloropropene	87		-		70-130	-		
1,1,2-Trichloroethane	106		-		70-130	-		
Toluene	94		-		70-130	-		
2-Hexanone	98		-		70-130	-		
Dibromochloromethane	**131**	Q	-		70-130	-		
1,2-Dibromoethane	101		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1757190-3								
Tetrachloroethene	102		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	**142**	Q	-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	99		-		70-130	-		
o-Xylene	102		-		70-130	-		
4-Ethyltoluene	97		-		70-130	-		
1,3,5-Trimethylbenzene	96		-		70-130	-		
1,2,4-Trimethylbenzene	100		-		70-130	-		
Benzyl chloride	103		-		70-130	-		
1,3-Dichlorobenzene	98		-		70-130	-		
1,4-Dichlorobenzene	96		-		70-130	-		
1,2-Dichlorobenzene	98		-		70-130	-		
1,2,4-Trichlorobenzene	93		-		70-130	-		
Hexachlorobutadiene	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY23 INDOOR AIR SAMPLING

Project Number: 01304

Lab Number: L2313097

Report Date: 03/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-05 Batch: WG1757192-3								
Vinyl chloride	89		-		70-130	-		25
1,1-Dichloroethene	102		-		70-130	-		25
cis-1,2-Dichloroethene	98		-		70-130	-		25
1,1,1-Trichloroethane	113		-		70-130	-		25
Carbon tetrachloride	122		-		70-130	-		25
Trichloroethene	101		-		70-130	-		25
Tetrachloroethene	98		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1757190-5 QC Sample: L2313097-04 Client ID: IA-3 (030823)DUP						
Dichlorodifluoromethane	0.519	0.510	ppbV	2		25
Chloromethane	0.787	0.792	ppbV	1		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	12.1	12.2	ppbV	1		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	48.4	48.0	ppbV	1		25
Trichlorofluoromethane	0.238	0.235	ppbV	1		25
Isopropanol	26.3	26.2	ppbV	0		25
Tertiary butyl Alcohol	0.885	0.905	ppbV	2		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	0.209	0.214	ppbV	2		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1757190-5 QC Sample: L2313097-04 Client ID: IA-3 (030823)DUP						
Chloroform	0.385	0.384	ppbV	0		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.789	0.774	ppbV	2		25
Benzene	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	2.60	2.62	ppbV	1		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	0.752	0.767	ppbV	2		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.618	0.643	ppbV	4		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	0.992	1.03	ppbV	4		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1757190-5 QC Sample: L2313097-04 Client ID: IA-3 (030823)DUP						
p/m-Xylene	4.11	4.28	ppbV	4		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	1.35	1.39	ppbV	3		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab (030823)DUP	Associated sample(s): 01-05	QC Batch ID: WG1757192-5		QC Sample: L2313097-04		Client ID: IA-3
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.086	0.095	ppbV	10		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.069	0.071	ppbV	3		25

Project Name: CY23 INDOOR AIR SAMPLING

Lab Number: L2313097

Project Number: 01304

Report Date: 03/22/23

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2313097-01	IA-1 (030823)	0774	Flow 5	03/03/23	415120		-	-	-	Pass	4.5	4.2	7
L2313097-01	IA-1 (030823)	2081	2.7L Can	03/03/23	415120	L2308009-01	Pass	-29.6	-4.7	-	-	-	-
L2313097-02	IA-2 (030823)	01465	Flow 5	03/03/23	415120		-	-	-	Pass	4.5	4.4	2
L2313097-02	IA-2 (030823)	3405	2.7L Can	03/03/23	415120	L2310165-01	Pass	-29.9	-4.9	-	-	-	-
L2313097-03	IA-3 (030823)	01659	Flow 5	03/03/23	415120		-	-	-	Pass	4.5	4.3	5
L2313097-03	IA-3 (030823)	2856	2.7L Can	03/03/23	415120	L2308009-01	Pass	-29.3	-8.0	-	-	-	-
L2313097-04	IA-3 (030823)DUP	01247	Flow 5	03/03/23	415120		-	-	-	Pass	4.5	4.5	0
L2313097-04	IA-3 (030823)DUP	2577	2.7L Can	03/03/23	415120	L2308009-01	Pass	-29.8	-6.4	-	-	-	-
L2313097-05	OA-1 (030823)	02076	Flow 5	03/03/23	415120		-	-	-	Pass	4.5	4.5	0
L2313097-05	OA-1 (030823)	174	2.7L Can	03/03/23	415120	L2310165-01	Pass	-30.0	-5.1	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2308009
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2308009-01
Client ID: CAN 2041 SHELF 22
Sample Location:

Date Collected: 02/14/23 18:00
Date Received: 02/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/15/23 20:43
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2308009
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2308009-01
Client ID: CAN 2041 SHELF 22
Sample Location:

Date Collected: 02/14/23 18:00
Date Received: 02/15/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2308009
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2308009-01
Client ID: CAN 2041 SHELF 22
Sample Location:

Date Collected: 02/14/23 18:00
Date Received: 02/15/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2308009
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2308009-01
Client ID: CAN 2041 SHELF 22
Sample Location:

Date Collected: 02/14/23 18:00
Date Received: 02/15/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2308009
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2308009-01
Client ID: CAN 2041 SHELF 22
Sample Location:

Date Collected: 02/14/23 18:00
Date Received: 02/15/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	107		60-140
chlorobenzene-d5	103		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2308009
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2308009-01
Client ID: CAN 2041 SHELF 22
Sample Location:

Date Collected: 02/14/23 18:00
Date Received: 02/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/15/23 20:43
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2308009
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2308009-01
Client ID: CAN 2041 SHELF 22
Sample Location:

Date Collected: 02/14/23 18:00
Date Received: 02/15/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2308009
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2308009-01
Client ID: CAN 2041 SHELF 22
Sample Location:

Date Collected: 02/14/23 18:00
Date Received: 02/15/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	103		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2310165
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/26/23 17:37
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2310165

Project Number: CANISTER QC BAT **Report Date:** 03/22/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2310165
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2310165
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2310165
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2310165
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/26/23 17:37
Analyst: TJS

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2310165
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2310165
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	98		60-140

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2313097-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2313097-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2313097-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2313097-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2313097-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	CY23 INDOOR AIR SAMPLING	**Lab Number:**	L2313097
Project Number:	01304	**Report Date:**	03/22/23

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: Data Usability Report

Project Name:	CY23 INDOOR AIR SAMPLING	**Lab Number:**	L2313097
Project Number:	01304	**Report Date:**	03/22/23

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

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	CY23 INDOOR AIR SAMPLING	**Lab Number:**	L2313097
Project Number:	01304	**Report Date:**	03/22/23

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

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, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; 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.
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, SM9222D.**

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, EPA 537.1.

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.

Serial_No:03222315:54

AIR ANALYSIS

CHAIN OF CUSTODY

PAGE ____ OF ____

Date Rec'd in Lab: 3/10/23

ALPHA Job #: L2313097

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

Client Information

Client: Env. ADVantage Inc.

Address: 3636 N. Buffalo Road
Orchard park, NY 14172

Phone: 716 667 3130

Fax: 716 667 3156

Email: mhanna@envadvantage.com

❑ These samples have been previously analyzed by Alpha

Project Information

Project Name: CY23 Indoor air Sampling

Project Location: 801 Elmwood ave Buffalo NY

Project #: 01304

Project Manager: Mark Hanna + Mary Szustak

ALPHA Quote #:

Turn-Around Time

☒ Standard ❑ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

❑ FAX
☒ ADEx
Criteria Checker: ASP-B
(Default based on Regulatory Criteria Indicated)
Other Formats:
❑ EMAIL (standard pdf report)
❑ Additional Deliverables:

Report to: (if different than Project Manager) MSzustak@Envadvantage.Com

Billing Information

☒ Same as Client info PO #: 01304

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ❑

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	❑	Sample Comments (i.e. PID)
13097-01	IA-1 (030823)	3/8/23	0810	1610	-29.69	-5.16	AA	CS	2.7L	2081	0774	X						1.0 PPM
-02	IA-2 (030823)	3/8/23	0815	1615	-29.90	-5.11	AA	CS	2.7L	3405	01465	X						1.0 PPM
-03	IA-3 (030823)	3/8/23	0820	1620	-28.37	-8.64	AA	CS	2.7L	285	01659	X						1.0 PPM
-04	IA-3 (030823) DUP	3/8/23	0830	1620	-29.15	-6.85	AA	CS	2.7L	2577	01247	X						1.0 PPM
-05	OA-1 (030823)	3/8/23	0800	1600	-29.62	-6.77	AA	CS	2.7L	174	02076	X						1.0 PPM

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: C

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	03/09/23 1115	[signature] AAL	3/9/23 1115
[signature] AAL	3/9/23 1200	[signature]	3/10/23 0040
[signature]	3/10/23 500	[signature]	3/10/23 0505
[signature]	3/10/23 0615	[signature]	3/10/23 0615

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 Rev: (25-Sep-15)

ANALYTICAL REPORT

Lab Number:	L2376500
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	CY23 IND. AIR SAMPLING AREA C
Project Number:	01304
Report Date:	01/12/24

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (99110) , NJ (MA015), NY (11627), NC (685), OH (CL106), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304

Lab Number: L2376500
Report Date: 01/12/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2376500-01	OA-1 (122723)	AIR	1801 ELMWOOD AVE, BUFFALO, NY	12/27/23 15:26	12/28/23
L2376500-02	IA-4 (122723)	AIR	1801 ELMWOOD AVE, BUFFALO, NY	12/27/23 15:22	12/28/23
L2376500-03	IA-4 (122723) DUPLICATE	AIR	1801 ELMWOOD AVE, BUFFALO, NY	12/27/23 15:20	12/28/23

Project Name:	CY23 IND. AIR SAMPLING AREA C	**Lab Number:**	L2376500
Project Number:	01304	**Report Date:**	01/12/24

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:	CY23 IND. AIR SAMPLING AREA C	**Lab Number:**	L2376500
Project Number:	01304	**Report Date:**	01/12/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 20, 2023. The canister certification results are provided as an addendum.

L2376500-02D: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2376500-03D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2376500-03D2: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

TO15

The WG1873367-3 LCS recovery for 3-chloropropene (134%), 2-hexanone (139%), dibromochloromethane (136%) and bromoform (137%), associated with L2376500-01, -02D, -02, and -03D, is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

TO15-SIM

The WG1873369-3 LCS recovery for propylene (144%), 3-chloropropene (134%), tetrahydrofuran (131%), 2-hexanone (136%), dibromochloromethane (140%) and bromoform (147%), associated with L2376500-01, -02,

Project Name:	CY23 IND. AIR SAMPLING AREA C	**Lab Number:**	L2376500
Project Number:	01304	**Report Date:**	01/12/24

Case Narrative (continued)

-03D2, and -03D, is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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: Christopher J. Anderson

Title: Technical Director/Representative Date: 01/12/24

AIR

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

SAMPLE RESULTS

Lab ID: L2376500-01
Client ID: OA-1 (122723)
Sample Location: 1801 ELMWOOD AVE, BUFFALO, NY

Date Collected: 12/27/23 15:26
Date Received: 12/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/11/24 18:51
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.427	0.200	--	2.11	0.989	--		1
Chloromethane	0.604	0.200	--	1.25	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.70	1.00	--	8.79	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	1.44	0.500	--	3.54	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

SAMPLE RESULTS

Lab ID: L2376500-01
Client ID: OA-1 (122723)
Sample Location: 1801 ELMWOOD AVE, BUFFALO, NY

Date Collected: 12/27/23 15:26
Date Received: 12/28/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.234	0.200	--	0.825	0.705	--		1
Benzene	0.214	0.200	--	0.684	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.467	0.200	--	1.76	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

SAMPLE RESULTS

Lab ID: L2376500-01
Client ID: OA-1 (122723)
Sample Location: 1801 ELMWOOD AVE, BUFFALO, NY

Date Collected: 12/27/23 15:26
Date Received: 12/28/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	100		60-140

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

SAMPLE RESULTS

Lab ID: L2376500-01
Client ID: OA-1 (122723)
Sample Location: 1801 ELMWOOD AVE, BUFFALO, NY

Date Collected: 12/27/23 15:26
Date Received: 12/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/11/24 18:51
Analyst: RAY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.067	0.020	--	0.421	0.126	--		1
Trichloroethene	0.031	0.020	--	0.167	0.107	--		1
Tetrachloroethene	0.362	0.020	--	2.45	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	101		60-140

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

SAMPLE RESULTS

Lab ID: L2376500-02
Client ID: IA-4 (122723)
Sample Location: 1801 ELMWOOD AVE, BUFFALO, NY

Date Collected: 12/27/23 15:22
Date Received: 12/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/11/24 19:31
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.450	0.200	--	2.23	0.989	--		1
Chloromethane	0.678	0.200	--	1.40	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	249	5.00	--	469	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	418	1.00	--	993	2.38	--		1
Trichlorofluoromethane	0.312	0.200	--	1.75	1.12	--		1
Isopropanol	544	0.500	--	1340	1.23	--	E	1
Tertiary butyl Alcohol	31.3	0.500	--	94.9	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.470	0.200	--	1.46	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	5.11	0.500	--	15.1	1.47	--		1
Ethyl Acetate	4.03	0.500	--	14.5	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.644	0.500	--	1.90	1.47	--		1

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

SAMPLE RESULTS

Lab ID: L2376500-02
Client ID: IA-4 (122723)
Sample Location: 1801 ELMWOOD AVE, BUFFALO, NY

Date Collected: 12/27/23 15:22
Date Received: 12/28/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	32.8	0.200	--	116	0.705	--		1
Benzene	0.342	0.200	--	1.09	0.639	--		1
Cyclohexane	2.08	0.200	--	7.16	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	0.547	0.200	--	2.55	0.934	--		1
Heptane	24.0	0.200	--	98.4	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	3.39	0.500	--	13.9	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	18.8	0.200	--	70.8	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	5.64	0.200	--	24.5	0.869	--		1
p/m-Xylene	20.2	0.400	--	87.7	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	1.38	0.200	--	5.88	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	6.16	0.200	--	26.8	0.869	--		1
4-Ethyltoluene	4.02	0.200	--	19.8	0.983	--		1
1,3,5-Trimethylbenzene	5.18	0.200	--	25.5	0.983	--		1

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

SAMPLE RESULTS

Lab ID: L2376500-02
Client ID: IA-4 (122723)
Sample Location: 1801 ELMWOOD AVE, BUFFALO, NY

Date Collected: 12/27/23 15:22
Date Received: 12/28/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	16.6	0.200	--	81.6	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	99		60-140

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

SAMPLE RESULTS

Lab ID: L2376500-02
Client ID: IA-4 (122723)
Sample Location: 1801 ELMWOOD AVE, BUFFALO, NY

Date Collected: 12/27/23 15:22
Date Received: 12/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/11/24 19:31
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.038	0.020	--	0.151	0.079	--		1
1,1,1-Trichloroethane	0.053	0.020	--	0.289	0.109	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	0.656	0.020	--	3.53	0.107	--		1
Tetrachloroethene	0.741	0.020	--	5.02	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	86		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	100		60-140

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

SAMPLE RESULTS

Lab ID: L2376500-02 D
Client ID: IA-4 (122723)
Sample Location: 1801 ELMWOOD AVE, BUFFALO, NY

Date Collected: 12/27/23 15:22
Date Received: 12/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/12/24 08:26
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Isopropanol	588	5.00	--	1450	12.3	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	85		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	85		60-140

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

SAMPLE RESULTS

Lab ID: L2376500-03 D
Client ID: IA-4 (122723) DUPLICATE
Sample Location: 1801 ELMWOOD AVE, BUFFALO, NY

Date Collected: 12/27/23 15:20
Date Received: 12/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/11/24 20:10
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Tetrahydrofuran	1.15	0.893	--	3.39	2.63	--		1.786

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	89		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	94		60-140

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

SAMPLE RESULTS

Lab ID: L2376500-03 D
Client ID: IA-4 (122723) DUPLICATE
Sample Location: 1801 ELMWOOD AVE, BUFFALO, NY

Date Collected: 12/27/23 15:20
Date Received: 12/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/11/24 20:10
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.436	0.357	--	2.16	1.77	--		1.786
Chloromethane	0.823	0.357	--	1.70	0.737	--		1.786
Freon-114	ND	0.089	--	ND	0.624	--		1.786
Vinyl chloride	ND	0.036	--	ND	0.091	--		1.786
1,3-Butadiene	0.066	0.036	--	0.146	0.079	--		1.786
Bromomethane	ND	0.036	--	ND	0.139	--		1.786
Chloroethane	ND	0.179	--	ND	0.472	--		1.786
Ethanol	245	8.93	--	462	16.8	--		1.786
Vinyl bromide	ND	0.357	--	ND	1.56	--		1.786
Acetone	425	1.79	--	1010	4.25	--		1.786
Trichlorofluoromethane	0.330	0.089	--	1.85	0.502	--		1.786
Isopropanol	567	0.893	--	1390	2.20	--	E	1.786
1,1-Dichloroethene	ND	0.036	--	ND	0.142	--		1.786
Tertiary butyl Alcohol	31.2	0.893	--	94.6	2.71	--		1.786
Methylene chloride	ND	0.893	--	ND	3.10	--		1.786
3-Chloropropene	ND	0.357	--	ND	1.12	--		1.786
Carbon disulfide	0.491	0.357	--	1.53	1.11	--		1.786
Freon-113	0.143	0.089	--	1.10	0.684	--		1.786
trans-1,2-Dichloroethene	ND	0.036	--	ND	0.142	--		1.786
1,1-Dichloroethane	ND	0.036	--	ND	0.144	--		1.786
Methyl tert butyl ether	ND	0.357	--	ND	1.29	--		1.786
2-Butanone	4.95	0.893	--	14.6	2.63	--		1.786
cis-1,2-Dichloroethene	0.041	0.036	--	0.163	0.142	--		1.786

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

SAMPLE RESULTS

Lab ID: L2376500-03 D
Client ID: IA-4 (122723) DUPLICATE
Sample Location: 1801 ELMWOOD AVE, BUFFALO, NY

Date Collected: 12/27/23 15:20
Date Received: 12/28/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Ethyl Acetate	3.13	0.893	--	11.3	3.22	--		1.786
Chloroform	0.080	0.036	--	0.393	0.174	--		1.786
1,2-Dichloroethane	0.046	0.036	--	0.188	0.144	--		1.786
n-Hexane	28.8	0.357	--	102	1.26	--		1.786
1,1,1-Trichloroethane	0.061	0.036	--	0.331	0.195	--		1.786
Benzene	0.384	0.179	--	1.23	0.572	--		1.786
Carbon tetrachloride	0.070	0.036	--	0.438	0.225	--		1.786
Cyclohexane	1.99	0.357	--	6.85	1.23	--		1.786
1,2-Dichloropropane	ND	0.036	--	ND	0.165	--		1.786
Bromodichloromethane	ND	0.036	--	ND	0.239	--		1.786
1,4-Dioxane	ND	0.179	--	ND	0.645	--		1.786
Trichloroethene	0.684	0.036	--	3.68	0.192	--		1.786
2,2,4-Trimethylpentane	0.512	0.357	--	2.39	1.67	--		1.786
Heptane	20.0	0.357	--	82.0	1.46	--		1.786
cis-1,3-Dichloropropene	ND	0.036	--	ND	0.162	--		1.786
4-Methyl-2-pentanone	2.87	0.893	--	11.8	3.66	--		1.786
trans-1,3-Dichloropropene	ND	0.036	--	ND	0.162	--		1.786
1,1,2-Trichloroethane	ND	0.036	--	ND	0.195	--		1.786
Toluene	17.3	0.179	--	65.2	0.675	--		1.786
2-Hexanone	ND	0.357	--	ND	1.46	--		1.786
Dibromochloromethane	ND	0.036	--	ND	0.304	--		1.786
1,2-Dibromoethane	ND	0.036	--	ND	0.274	--		1.786
Tetrachloroethene	0.729	0.036	--	4.94	0.242	--		1.786
Chlorobenzene	ND	0.179	--	ND	0.824	--		1.786
Ethylbenzene	5.05	0.036	--	21.9	0.155	--		1.786
p/m-Xylene	18.2	0.071	--	79.1	0.310	--		1.786

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

SAMPLE RESULTS

Lab ID: L2376500-03 D
Client ID: IA-4 (122723) DUPLICATE
Sample Location: 1801 ELMWOOD AVE, BUFFALO, NY

Date Collected: 12/27/23 15:20
Date Received: 12/28/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromoform	ND	0.036	--	ND	0.369	--		1.786
Styrene	1.21	0.036	--	5.15	0.152	--		1.786
1,1,2,2-Tetrachloroethane	ND	0.036	--	ND	0.245	--		1.786
o-Xylene	5.45	0.036	--	23.7	0.155	--		1.786
4-Ethyltoluene	3.17	0.036	--	15.6	0.176	--		1.786
1,3,5-Trimethybenzene	3.67	0.036	--	18.0	0.176	--		1.786
1,2,4-Trimethylbenzene	11.3	0.036	--	55.6	0.176	--		1.786
Benzyl chloride	ND	0.179	--	ND	0.927	--		1.786
1,3-Dichlorobenzene	ND	0.036	--	ND	0.215	--		1.786
1,4-Dichlorobenzene	ND	0.036	--	ND	0.215	--		1.786
1,2-Dichlorobenzene	ND	0.036	--	ND	0.215	--		1.786
1,2,4-Trichlorobenzene	ND	0.089	--	ND	0.663	--		1.786
Hexachlorobutadiene	ND	0.089	--	ND	0.953	--		1.786

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	94		60-140

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

SAMPLE RESULTS

Lab ID: L2376500-03 D2
Client ID: IA-4 (122723) DUPLICATE
Sample Location: 1801 ELMWOOD AVE, BUFFALO, NY

Date Collected: 12/27/23 15:20
Date Received: 12/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/12/24 09:02
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Isopropanol	592	4.46	--	1460	11.0	--		8.929

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	94		60-140

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/11/24 17:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1873367-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/11/24 17:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1873367-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/11/24 17:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1873367-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 01/11/24 17:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-03 Batch: WG1873369-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 01/11/24 17:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-03 Batch: WG1873369-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304
Lab Number: L2376500
Report Date: 01/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 01/11/24 17:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-03 Batch: WG1873369-4								
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304

Lab Number: L2376500
Report Date: 01/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1873367-3								
Dichlorodifluoromethane	87		-		70-130	-		
Chloromethane	103		-		70-130	-		
Freon-114	104		-		70-130	-		
Vinyl chloride	96		-		70-130	-		
1,3-Butadiene	103		-		70-130	-		
Bromomethane	104		-		70-130	-		
Chloroethane	103		-		70-130	-		
Ethanol	95		-		40-160	-		
Vinyl bromide	113		-		70-130	-		
Acetone	107		-		40-160	-		
Trichlorofluoromethane	89		-		70-130	-		
Isopropanol	112		-		40-160	-		
1,1-Dichloroethene	93		-		70-130	-		
Tertiary butyl Alcohol	88		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	**134**	Q	-		70-130	-		
Carbon disulfide	104		-		70-130	-		
Freon-113	111		-		70-130	-		
trans-1,2-Dichloroethene	113		-		70-130	-		
1,1-Dichloroethane	112		-		70-130	-		
Methyl tert butyl ether	106		-		70-130	-		
2-Butanone	126		-		70-130	-		
cis-1,2-Dichloroethene	110		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY23 IND. AIR SAMPLING AREA C

Project Number: 01304

Lab Number: L2376500

Report Date: 01/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1873367-3								
Ethyl Acetate	124		-		70-130	-		
Chloroform	94		-		70-130	-		
Tetrahydrofuran	128		-		70-130	-		
1,2-Dichloroethane	93		-		70-130	-		
n-Hexane	103		-		70-130	-		
1,1,1-Trichloroethane	93		-		70-130	-		
Benzene	91		-		70-130	-		
Carbon tetrachloride	89		-		70-130	-		
Cyclohexane	103		-		70-130	-		
1,2-Dichloropropane	110		-		70-130	-		
Bromodichloromethane	101		-		70-130	-		
1,4-Dioxane	111		-		70-130	-		
Trichloroethene	105		-		70-130	-		
2,2,4-Trimethylpentane	100		-		70-130	-		
Heptane	123		-		70-130	-		
cis-1,3-Dichloropropene	97		-		70-130	-		
4-Methyl-2-pentanone	124		-		70-130	-		
trans-1,3-Dichloropropene	95		-		70-130	-		
1,1,2-Trichloroethane	109		-		70-130	-		
Toluene	115		-		70-130	-		
2-Hexanone	**139**	Q	-		70-130	-		
Dibromochloromethane	**136**	Q	-		70-130	-		
1,2-Dibromoethane	114		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY23 IND. AIR SAMPLING AREA C

Project Number: 01304

Lab Number: L2376500

Report Date: 01/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1873367-3								
Tetrachloroethene	111		-		70-130	-		
Chlorobenzene	109		-		70-130	-		
Ethylbenzene	118		-		70-130	-		
p/m-Xylene	118		-		70-130	-		
Bromoform	**137**	Q	-		70-130	-		
Styrene	115		-		70-130	-		
1,1,2,2-Tetrachloroethane	115		-		70-130	-		
o-Xylene	119		-		70-130	-		
4-Ethyltoluene	119		-		70-130	-		
1,3,5-Trimethylbenzene	112		-		70-130	-		
1,2,4-Trimethylbenzene	112		-		70-130	-		
Benzyl chloride	125		-		70-130	-		
1,3-Dichlorobenzene	117		-		70-130	-		
1,4-Dichlorobenzene	117		-		70-130	-		
1,2-Dichlorobenzene	112		-		70-130	-		
1,2,4-Trichlorobenzene	106		-		70-130	-		
Hexachlorobutadiene	103		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304

Lab Number: L2376500
Report Date: 01/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG1873369-3								
Dichlorodifluoromethane	88		-		70-130	-		25
Chloromethane	102		-		70-130	-		25
Freon-114	104		-		70-130	-		25
Vinyl chloride	97		-		70-130	-		25
1,3-Butadiene	106		-		70-130	-		25
Bromomethane	106		-		70-130	-		25
Chloroethane	106		-		70-130	-		25
Ethanol	78		-		40-160	-		25
Vinyl bromide	114		-		70-130	-		25
Acetone	109		-		40-160	-		25
Trichlorofluoromethane	89		-		70-130	-		25
Isopropanol	114		-		40-160	-		25
1,1-Dichloroethene	96		-		70-130	-		25
Tertiary butyl Alcohol[1]	90		-		70-130	-		25
Methylene chloride	104		-		70-130	-		25
3-Chloropropene	**134**	Q	-		70-130	-		25
Carbon disulfide	103		-		70-130	-		25
Freon-113	111		-		70-130	-		25
trans-1,2-Dichloroethene	119		-		70-130	-		25
1,1-Dichloroethane	117		-		70-130	-		25
Methyl tert butyl ether	110		-		70-130	-		25
2-Butanone	129		-		70-130	-		25
cis-1,2-Dichloroethene	113		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY23 IND. AIR SAMPLING AREA C

Project Number: 01304

Lab Number: L2376500

Report Date: 01/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG1873369-3								
Ethyl Acetate	129		-		70-130	-		25
Chloroform	97		-		70-130	-		25
Tetrahydrofuran	**131**	Q	-		70-130	-		25
1,2-Dichloroethane	95		-		70-130	-		25
n-Hexane	106		-		70-130	-		25
1,1,1-Trichloroethane	96		-		70-130	-		25
Benzene	89		-		70-130	-		25
Carbon tetrachloride	90		-		70-130	-		25
Cyclohexane	104		-		70-130	-		25
1,2-Dichloropropane	106		-		70-130	-		25
Bromodichloromethane	104		-		70-130	-		25
1,4-Dioxane	111		-		70-130	-		25
Trichloroethene	107		-		70-130	-		25
2,2,4-Trimethylpentane	102		-		70-130	-		25
cis-1,3-Dichloropropene	100		-		70-130	-		25
4-Methyl-2-pentanone	123		-		70-130	-		25
trans-1,3-Dichloropropene	98		-		70-130	-		25
1,1,2-Trichloroethane	111		-		70-130	-		25
Toluene	113		-		70-130	-		25
2-Hexanone	**136**	Q	-		70-130	-		25
Dibromochloromethane	**140**	Q	-		70-130	-		25
1,2-Dibromoethane	116		-		70-130	-		25
Tetrachloroethene	110		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY23 IND. AIR SAMPLING AREA C

Project Number: 01304

Lab Number: L2376500

Report Date: 01/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG1873369-3								
Chlorobenzene	109		-		70-130	-		25
Ethylbenzene	119		-		70-130	-		25
p/m-Xylene	118		-		70-130	-		25
Bromoform	**147**	Q	-		70-130	-		25
Styrene	118		-		70-130	-		25
1,1,2,2-Tetrachloroethane	117		-		70-130	-		25
o-Xylene	119		-		70-130	-		25
4-Ethyltoluene	122		-		70-130	-		25
1,3,5-Trimethybenzene	113		-		70-130	-		25
1,2,4-Trimethylbenzene	115		-		70-130	-		25
Benzyl chloride	124		-		70-130	-		25
1,3-Dichlorobenzene	119		-		70-130	-		25
1,4-Dichlorobenzene	121		-		70-130	-		25
1,2-Dichlorobenzene	113		-		70-130	-		25
1,2,4-Trichlorobenzene	115		-		70-130	-		25
Hexachlorobutadiene	108		-		70-130	-		25

Project Name: CY23 IND. AIR SAMPLING AREA C

Lab Number: L2376500

Project Number: 01304

Report Date: 01/12/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2376500-01	OA-1 (122723)	01130	Flow 2	12/20/23	448275		-	-	-	Pass	4.5	12.7	95
L2376500-01	OA-1 (122723)	257	2.7L Can	12/20/23	448275	L2373415-01	Pass	-29.8	0.0	-	-	-	-
L2376500-02	IA-4 (122723)	02131	Flow 2	12/20/23	448275		-	-	-	Pass	4.5	7.3	47
L2376500-02	IA-4 (122723)	471	2.7L Can	12/20/23	448275	L2373415-01	Pass	-29.7	-12.1	-	-	-	-
L2376500-03	IA-4 (122723) DUPLICATE	0647	Flow 2	12/20/23	448275		-	-	-	Pass	4.4	7.0	46
L2376500-03	IA-4 (122723) DUPLICATE	504	2.7L Can	12/20/23	448275	L2373415-01	Pass	-29.8	-18.3	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2373415
Report Date: 01/12/24

Air Canister Certification Results

Lab ID: L2373415-01
Client ID: CAN 508 SHELF 18
Sample Location:

Date Collected: 12/12/23 18:00
Date Received: 12/13/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/13/23 20:07
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2373415

Project Number: CANISTER QC BAT **Report Date:** 01/12/24

Air Canister Certification Results

Lab ID: L2373415-01
Client ID: CAN 508 SHELF 18
Sample Location:

Date Collected: 12/12/23 18:00
Date Received: 12/13/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2373415
Report Date: 01/12/24

Air Canister Certification Results

Lab ID: L2373415-01
Client ID: CAN 508 SHELF 18
Sample Location:

Date Collected: 12/12/23 18:00
Date Received: 12/13/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2373415
Report Date: 01/12/24

Air Canister Certification Results

Lab ID: L2373415-01
Client ID: CAN 508 SHELF 18
Sample Location:

Date Collected: 12/12/23 18:00
Date Received: 12/13/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2373415
Report Date: 01/12/24

Air Canister Certification Results

Lab ID: L2373415-01
Client ID: CAN 508 SHELF 18
Sample Location:

Date Collected: 12/12/23 18:00
Date Received: 12/13/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2373415
Report Date: 01/12/24

Air Canister Certification Results

Lab ID: L2373415-01
Client ID: CAN 508 SHELF 18
Sample Location:

Date Collected: 12/12/23 18:00
Date Received: 12/13/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/13/23 20:07
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2373415
Report Date: 01/12/24

Air Canister Certification Results

Lab ID: L2373415-01
Client ID: CAN 508 SHELF 18
Sample Location:

Date Collected: 12/12/23 18:00
Date Received: 12/13/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2373415
Report Date: 01/12/24

Air Canister Certification Results

Lab ID: L2373415-01
Client ID: CAN 508 SHELF 18
Sample Location:

Date Collected: 12/12/23 18:00
Date Received: 12/13/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	91		60-140

Project Name: CY23 IND. AIR SAMPLING AREA C
Project Number: 01304

Lab Number: L2376500
Report Date: 01/12/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2376500-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2376500-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2376500-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	CY23 IND. AIR SAMPLING AREA C	**Lab Number:**	L2376500
Project Number:	01304	**Report Date:**	01/12/24

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: Data Usability Report

Project Name:	CY23 IND. AIR SAMPLING AREA C	**Lab Number:**	L2376500
Project Number:	01304	**Report Date:**	01/12/24

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

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	CY23 IND. AIR SAMPLING AREA C	**Lab Number:**	L2376500
Project Number:	01304	**Report Date:**	01/12/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name:	CY23 IND. AIR SAMPLING AREA C	**Lab Number:**	L2376500
Project Number:	01304	**Report Date:**	01/12/24

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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: 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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

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, EPA 537.1.

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.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 12/29/23

ALPHA Job #: L2376500

Client Information

Client: Environmental Advantage, Inc.
Address: 3636 N. Buffalo Road
Orchard Park, NY 14172
Phone: (716) 667-3130
Fax: (716) 667-3156
Email: mhanna@envadvantage.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: CY23 Indoor air sampling area C
Project Location: 1801 Elmwood Ave, Buffalo, NY
Project #: 01304
Project Manager: Mark Hanna + Mary Szustak
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker: ASP-B
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)
MSzustak@envadvantage.com

Billing Information

☒ Same as Client info PO #: 01304

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: please also email results to labresults@envadvantage.com

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
76500-01	OA-1 (122723)	12/27/23	9:40	3:26	-29.49	0.0	AA	RH	2.7L	257	01130	X					
-02	IA-4 (122723)	12/27/23	9:19	3:22	-29.47	-11.84	AA	RH	2.7L	471	02151	X					
-03	IA-4 (122723) duplicate	12/27/23	9:21	3:20	-29.67	-18.38	AA	RH	2.7L	504	0647	X					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: 2.7L summa canister X

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Ryder Hooker	12/28/23 14:15	PAL	12/28/23 1415
PAL	12/28/23 1505	Ed Mendoza AAL	12/29/23 0030
Ed Mendoza AAL	12/29/23 0500		12/29/23 0500
	12/29/23 0600		12/29/23 0600

Form No: 101-02 Rev: (25-Sep-15)

ANALYTICAL REPORT

Lab Number:	L2410216
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	MPC AREA C AIR RESAMPLE
Project Number:	01304
Report Date:	03/08/24

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (99110) , NJ (MA015), NY (11627), NC (685), OH (CL106), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304

Lab Number: L2410216
Report Date: 03/08/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2410216-01	OA-1	AIR	1801 ELMWOOD AVE.	02/25/24 10:10	02/26/24
L2410216-02	IA-4	AIR	1801 ELMWOOD AVE.	02/25/24 10:07	02/26/24
L2410216-03	IA-4 DUPLICATE	AIR	1801 ELMWOOD AVE.	02/25/24 10:09	02/26/24

Project Name:	MPC AREA C AIR RESAMPLE	**Lab Number:**	L2410216
Project Number:	01304	**Report Date:**	03/08/24

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:	MPC AREA C AIR RESAMPLE	**Lab Number:**	L2410216
Project Number:	01304	**Report Date:**	03/08/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on February 16, 2024. The canister certification data is provided as an addendum.

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: Christopher J. Anderson

Title: Technical Director/Representative Date: 03/08/24

AIR

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

SAMPLE RESULTS

Lab ID: L2410216-01
Client ID: OA-1
Sample Location: 1801 ELMWOOD AVE.

Date Collected: 02/25/24 10:10
Date Received: 02/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/06/24 17:52
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.520	0.200	--	2.57	0.989	--		1
Chloromethane	0.562	0.200	--	1.16	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.00	5.00	--	9.42	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.65	1.00	--	11.0	2.38	--		1
Trichlorofluoromethane	0.265	0.200	--	1.49	1.12	--		1
Isopropanol	0.886	0.500	--	2.18	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

SAMPLE RESULTS

Lab ID: L2410216-01
Client ID: OA-1
Sample Location: 1801 ELMWOOD AVE.

Date Collected: 02/25/24 10:10
Date Received: 02/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

SAMPLE RESULTS

Lab ID: L2410216-01
Client ID: OA-1
Sample Location: 1801 ELMWOOD AVE.

Date Collected: 02/25/24 10:10
Date Received: 02/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	0.208	0.200	--	1.09	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

SAMPLE RESULTS

Lab ID: L2410216-01
Client ID: OA-1
Sample Location: 1801 ELMWOOD AVE.

Date Collected: 02/25/24 10:10
Date Received: 02/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/06/24 17:52
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	85		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	94		60-140

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

SAMPLE RESULTS

Lab ID: L2410216-02
Client ID: IA-4
Sample Location: 1801 ELMWOOD AVE.

Date Collected: 02/25/24 10:07
Date Received: 02/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/06/24 23:26
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.501	0.200	--	2.48	0.989	--		1
Chloromethane	0.600	0.200	--	1.24	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	17.0	5.00	--	32.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	424	1.00	--	1010	2.38	--		1
Trichlorofluoromethane	0.345	0.200	--	1.94	1.12	--		1
Isopropanol	79.5	0.500	--	195	1.23	--		1
Tertiary butyl Alcohol	0.951	0.500	--	2.88	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.721	0.200	--	2.25	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.70	0.500	--	5.01	1.47	--		1
Ethyl Acetate	1.69	0.500	--	6.09	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

SAMPLE RESULTS

Lab ID: L2410216-02
Client ID: IA-4
Sample Location: 1801 ELMWOOD AVE.

Date Collected: 02/25/24 10:07
Date Received: 02/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.38	0.200	--	8.39	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	2.49	0.200	--	10.2	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.863	0.500	--	3.54	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	6.20	0.200	--	23.4	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.00	0.200	--	4.34	0.869	--		1
p/m-Xylene	4.49	0.400	--	19.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.45	0.200	--	6.30	0.869	--		1
4-Ethyltoluene	2.90	0.200	--	14.3	0.983	--		1
1,3,5-Trimethylbenzene	3.48	0.200	--	17.1	0.983	--		1

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

SAMPLE RESULTS

Lab ID: L2410216-02
Client ID: IA-4
Sample Location: 1801 ELMWOOD AVE.

Date Collected: 02/25/24 10:07
Date Received: 02/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	11.2	0.200	--	55.1	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	99		60-140

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

SAMPLE RESULTS

Lab ID: L2410216-02
Client ID: IA-4
Sample Location: 1801 ELMWOOD AVE.

Date Collected: 02/25/24 10:07
Date Received: 02/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/06/24 23:26
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.021	0.020	--	0.083	0.079	--		1
1,1,1-Trichloroethane	0.037	0.020	--	0.202	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	0.317	0.020	--	1.70	0.107	--		1
Tetrachloroethene	0.155	0.020	--	1.05	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	89		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	100		60-140

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

SAMPLE RESULTS

Lab ID: L2410216-03
Client ID: IA-4 DUPLICATE
Sample Location: 1801 ELMWOOD AVE.

Date Collected: 02/25/24 10:09
Date Received: 02/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/07/24 00:08
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.480	0.200	--	2.37	0.989	--		1
Chloromethane	0.592	0.200	--	1.22	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	16.3	5.00	--	30.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	406	1.00	--	964	2.38	--		1
Trichlorofluoromethane	0.326	0.200	--	1.83	1.12	--		1
Isopropanol	77.1	0.500	--	190	1.23	--		1
Tertiary butyl Alcohol	0.911	0.500	--	2.76	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.760	0.200	--	2.37	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.66	0.500	--	4.90	1.47	--		1
Ethyl Acetate	1.77	0.500	--	6.38	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.818	0.500	--	2.41	1.47	--		1

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

SAMPLE RESULTS

Lab ID: L2410216-03
Client ID: IA-4 DUPLICATE
Sample Location: 1801 ELMWOOD AVE.

Date Collected: 02/25/24 10:09
Date Received: 02/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.42	0.200	--	8.53	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	2.44	0.200	--	10.0	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.816	0.500	--	3.34	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	6.40	0.200	--	24.1	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.959	0.200	--	4.17	0.869	--		1
p/m-Xylene	4.11	0.400	--	17.9	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.33	0.200	--	5.78	0.869	--		1
4-Ethyltoluene	3.15	0.200	--	15.5	0.983	--		1
1,3,5-Trimethylbenzene	3.57	0.200	--	17.6	0.983	--		1

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

SAMPLE RESULTS

Lab ID: L2410216-03
Client ID: IA-4 DUPLICATE
Sample Location: 1801 ELMWOOD AVE.

Date Collected: 02/25/24 10:09
Date Received: 02/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	11.2	0.200	--	55.1	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

SAMPLE RESULTS

Lab ID: L2410216-03
Client ID: IA-4 DUPLICATE
Sample Location: 1801 ELMWOOD AVE.

Date Collected: 02/25/24 10:09
Date Received: 02/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/07/24 00:08
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.024	0.020	--	0.095	0.079	--		1
1,1,1-Trichloroethane	0.038	0.020	--	0.207	0.109	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	0.315	0.020	--	1.69	0.107	--		1
Tetrachloroethene	0.161	0.020	--	1.09	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	101		60-140

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/06/24 16:26

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1893026-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/06/24 16:26

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1893026-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/06/24 16:26

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1893026-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304
Lab Number: L2410216
Report Date: 03/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/06/24 17:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-03 Batch: WG1893028-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304

Lab Number: L2410216
Report Date: 03/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1893026-3								
Dichlorodifluoromethane	96		-		70-130	-		
Chloromethane	91		-		70-130	-		
Freon-114	103		-		70-130	-		
Vinyl chloride	93		-		70-130	-		
1,3-Butadiene	97		-		70-130	-		
Bromomethane	94		-		70-130	-		
Chloroethane	102		-		70-130	-		
Ethanol	92		-		40-160	-		
Vinyl bromide	114		-		70-130	-		
Acetone	125		-		40-160	-		
Trichlorofluoromethane	111		-		70-130	-		
Isopropanol	126		-		40-160	-		
1,1-Dichloroethene	116		-		70-130	-		
Tertiary butyl Alcohol	100		-		70-130	-		
Methylene chloride	95		-		70-130	-		
3-Chloropropene	121		-		70-130	-		
Carbon disulfide	100		-		70-130	-		
Freon-113	112		-		70-130	-		
trans-1,2-Dichloroethene	115		-		70-130	-		
1,1-Dichloroethane	111		-		70-130	-		
Methyl tert butyl ether	101		-		70-130	-		
2-Butanone	110		-		70-130	-		
cis-1,2-Dichloroethene	113		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304

Lab Number: L2410216
Report Date: 03/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1893026-3								
Ethyl Acetate	121		-		70-130	-		
Chloroform	96		-		70-130	-		
Tetrahydrofuran	108		-		70-130	-		
1,2-Dichloroethane	116		-		70-130	-		
n-Hexane	115		-		70-130	-		
1,1,1-Trichloroethane	113		-		70-130	-		
Benzene	91		-		70-130	-		
Carbon tetrachloride	100		-		70-130	-		
Cyclohexane	111		-		70-130	-		
1,2-Dichloropropane	106		-		70-130	-		
Bromodichloromethane	108		-		70-130	-		
1,4-Dioxane	103		-		70-130	-		
Trichloroethene	99		-		70-130	-		
2,2,4-Trimethylpentane	117		-		70-130	-		
Heptane	114		-		70-130	-		
cis-1,3-Dichloropropene	94		-		70-130	-		
4-Methyl-2-pentanone	113		-		70-130	-		
trans-1,3-Dichloropropene	92		-		70-130	-		
1,1,2-Trichloroethane	106		-		70-130	-		
Toluene	99		-		70-130	-		
2-Hexanone	106		-		70-130	-		
Dibromochloromethane	116		-		70-130	-		
1,2-Dibromoethane	94		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304

Lab Number: L2410216
Report Date: 03/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1893026-3								
Tetrachloroethene	90		-		70-130	-		
Chlorobenzene	91		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	115		-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	95		-		70-130	-		
o-Xylene	106		-		70-130	-		
4-Ethyltoluene	106		-		70-130	-		
1,3,5-Trimethylbenzene	106		-		70-130	-		
1,2,4-Trimethylbenzene	105		-		70-130	-		
Benzyl chloride	103		-		70-130	-		
1,3-Dichlorobenzene	98		-		70-130	-		
1,4-Dichlorobenzene	97		-		70-130	-		
1,2-Dichlorobenzene	96		-		70-130	-		
1,2,4-Trichlorobenzene	87		-		70-130	-		
Naphthalene	102		-		70-130	-		
Hexachlorobutadiene	93		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304

Lab Number: L2410216
Report Date: 03/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG1893028-3								
Vinyl chloride	99		-		70-130	-		25
1,1-Dichloroethene	117		-		70-130	-		25
cis-1,2-Dichloroethene	112		-		70-130	-		25
1,1,1-Trichloroethane	111		-		70-130	-		25
Carbon tetrachloride	102		-		70-130	-		25
Trichloroethene	97		-		70-130	-		25
Tetrachloroethene	85		-		70-130	-		25

Project Name: MPC AREA C AIR RESAMPLE

Lab Number: L2410216

Project Number: 01304

Report Date: 03/08/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2410216-01	OA-1	01628	Flow 5	02/16/24	455253		-	-	-	Pass	4.5	5.3	16
L2410216-01	OA-1	3748	2.7L Can	02/16/24	455253	L2408153-01	Pass	-29.6	1.2	-	-	-	-
L2410216-02	IA-4	02243	Flow 5	02/16/24	455253		-	-	-	Pass	4.5	4.7	4
L2410216-02	IA-4	2996	2.7L Can	02/16/24	455253	L2408153-01	Pass	-29.8	-1.7	-	-	-	-
L2410216-03	IA-4 DUPLICATE	0079	Flow 5	02/16/24	455253		-	-	-	Pass	4.5	4.4	2
L2410216-03	IA-4 DUPLICATE	3227	2.7L Can	02/16/24	455253	L2408153-01	Pass	-29.7	-3.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2408153
Report Date: 03/08/24

Air Canister Certification Results

Lab ID: L2408153-01
Client ID: CAN 3903 SHELF 1
Sample Location:

Date Collected: 02/14/24 09:00
Date Received: 02/14/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/14/24 18:38
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2408153
Report Date: 03/08/24

Air Canister Certification Results

Lab ID: L2408153-01
Client ID: CAN 3903 SHELF 1
Sample Location:

Date Collected: 02/14/24 09:00
Date Received: 02/14/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2408153

Project Number: CANISTER QC BAT **Report Date:** 03/08/24

Air Canister Certification Results

Lab ID: L2408153-01
Client ID: CAN 3903 SHELF 1
Sample Location:

Date Collected: 02/14/24 09:00
Date Received: 02/14/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2408153
Report Date: 03/08/24

Air Canister Certification Results

Lab ID: L2408153-01
Client ID: CAN 3903 SHELF 1
Sample Location:

Date Collected: 02/14/24 09:00
Date Received: 02/14/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2408153
Report Date: 03/08/24

Air Canister Certification Results

Lab ID: L2408153-01
Client ID: CAN 3903 SHELF 1
Sample Location:

Date Collected: 02/14/24 09:00
Date Received: 02/14/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2408153
Report Date: 03/08/24

Air Canister Certification Results

Lab ID: L2408153-01
Client ID: CAN 3903 SHELF 1
Sample Location:

Date Collected: 02/14/24 09:00
Date Received: 02/14/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/14/24 18:38
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2408153

Project Number: CANISTER QC BAT **Report Date:** 03/08/24

Air Canister Certification Results

Lab ID: L2408153-01
Client ID: CAN 3903 SHELF 1
Sample Location:

Date Collected: 02/14/24 09:00
Date Received: 02/14/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2408153
Report Date: 03/08/24

Air Canister Certification Results

Lab ID: L2408153-01
Client ID: CAN 3903 SHELF 1
Sample Location:

Date Collected: 02/14/24 09:00
Date Received: 02/14/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	90		60-140

Project Name: MPC AREA C AIR RESAMPLE
Project Number: 01304

Lab Number: L2410216
Report Date: 03/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2410216-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2410216-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2410216-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	MPC AREA C AIR RESAMPLE	**Lab Number:**	L2410216
Project Number:	01304	**Report Date:**	03/08/24

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.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.

Report Format: Data Usability Report

Project Name:	MPC AREA C AIR RESAMPLE	**Lab Number:**	L2410216
Project Number:	01304	**Report Date:**	03/08/24

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

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	MPC AREA C AIR RESAMPLE	**Lab Number:**	L2410216
Project Number:	01304	**Report Date:**	03/08/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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: 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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

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, EPA 537.1.

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.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 2/27/24

ALPHA Job #: L2410216

Client Information

Client: Environmental Advantage, Inc.
Address: 3636 N. Buffalo Rd
Orchard Park NY, 14127
Phone: 716 667 3130
Fax: 716 667 3156
Email: mhanna@envadvantage.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: MPC Area C Air reSample
Project Location: 1801 Elmwood Ave.
Project #: 01304
Project Manager: Mark Hanna & Mary Szuba
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 01304

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Please also email results to labresults@envadvantage.com

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH Subject Non-petroleum HC? ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
10216-01	OA-1	2/25/24	1:12	10:10	-29.36	-.14	AA	CS	2.7	3748	01628	X					
-02	IA-4	2/25/24	1:05	10:07	-29.46	-1.64	AA	CS	2.7	2996	02243	X					
-03	IA-4 duplicate	2/25/24	1:05	10:09	-29.10	-3.91	AA	CS	2.7	3227	0079	X					

ANALYSIS

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: SUMA

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Cathy Snyder	2/26/24 12:55		2/26/24 1255
	2/26/24 1330		2/27/24 0040
	2/27/24 500	AAL	2/27/24 0500
AAL	2/27/24 0616	AAL	2/27/24 06:16

Form No: 101-02 Rev: (25-Sep-15)

ANALYTICAL REPORT

Lab Number:	L2335506
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	Q2 2023 SSDS MONITORING
Project Number:	01304
Report Date:	09/13/23

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (99110) , NJ (MA015), NY (11627), NC (685), OH (CL106), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: Q2 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2335506
Report Date: 09/13/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2335506-01	AREA A-PRE(062023)	SOIL_VAPOR	MPC BUFFALO NY	06/20/23 14:15	06/21/23
L2335506-02	AREA A-POST(062023)	SOIL_VAPOR	MPC BUFFALO NY	06/20/23 14:30	06/21/23

Project Name:	Q2 2023 SSDS MONITORING	**Lab Number:**	L2335506
Project Number:	01304	**Report Date:**	09/13/23

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:	Q2 2023 SSDS MONITORING	**Lab Number:**	L2335506
Project Number:	01304	**Report Date:**	09/13/23

Case Narrative (continued)

Report Revision

September 13, 2023 the report has been amended to change the sample ID for the L2335506-02 sample at the request of the client. A revised CoC is included in this submittal.

Volatile Organics in Air

L2335506-01 and -02: Samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt in order to extend the holding time for analysis.

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: Christopher J. Anderson

Title: Technical Director/Representative Date: 09/13/23

AIR

Project Name: Q2 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2335506
Report Date: 09/13/23

SAMPLE RESULTS

Lab ID: L2335506-01
Client ID: AREA A-PRE(062023)
Sample Location: MPC BUFFALO NY

Date Collected: 06/20/23 14:15
Date Received: 06/21/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/02/23 03:46
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.646	0.200	--	3.19	0.989	--		1
Chloromethane	0.374	0.200	--	0.772	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	32.4	5.00	--	61.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	47.2	1.00	--	112	2.38	--		1
Trichlorofluoromethane	0.856	0.200	--	4.81	1.12	--		1
Isopropanol	86.6	0.500	--	213	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.38	0.500	--	4.18	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	2.34	0.200	--	7.29	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.69	0.500	--	4.98	1.47	--		1
cis-1,2-Dichloroethene	1.30	0.200	--	5.15	0.793	--		1

Project Name: Q2 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2335506
Report Date: 09/13/23

SAMPLE RESULTS

Lab ID: L2335506-01
Client ID: AREA A-PRE(062023)
Sample Location: MPC BUFFALO NY

Date Collected: 06/20/23 14:15
Date Received: 06/21/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	49.5	0.500	--	178	1.80	--		1
Chloroform	3.10	0.200	--	15.1	0.977	--		1
Tetrahydrofuran	0.727	0.500	--	2.14	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.78	0.200	--	9.80	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.562	0.200	--	1.80	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	60.9	0.200	--	327	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.331	0.200	--	1.36	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.590	0.500	--	2.42	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	4.03	0.200	--	15.2	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.335	0.200	--	2.27	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.940	0.200	--	4.08	0.869	--		1

Project Name: Q2 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2335506
Report Date: 09/13/23

SAMPLE RESULTS

Lab ID: L2335506-01
Client ID: AREA A-PRE(062023)
Sample Location: MPC BUFFALO NY

Date Collected: 06/20/23 14:15
Date Received: 06/21/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	4.20	0.400	--	18.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.449	0.200	--	1.91	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.32	0.200	--	5.73	0.869	--		1
4-Ethyltoluene	0.250	0.200	--	1.23	0.983	--		1
1,3,5-Trimethylbenzene	0.346	0.200	--	1.70	0.983	--		1
1,2,4-Trimethylbenzene	1.18	0.200	--	5.80	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	98		60-140

Project Name: Q2 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2335506
Report Date: 09/13/23

SAMPLE RESULTS

Lab ID: L2335506-02
Client ID: AREA A-POST(062023)
Sample Location: MPC BUFFALO NY

Date Collected: 06/20/23 14:30
Date Received: 06/21/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/02/23 01:14
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.589	0.200	--	2.91	0.989	--		1
Chloromethane	0.376	0.200	--	0.776	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	30.7	5.00	--	57.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.05	1.00	--	19.1	2.38	--		1
Trichlorofluoromethane	1.30	0.200	--	7.31	1.12	--		1
Isopropanol	224	0.500	--	551	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.740	0.200	--	2.30	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.608	0.500	--	1.79	1.47	--		1
cis-1,2-Dichloroethene	0.339	0.200	--	1.34	0.793	--		1

Project Name: Q2 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2335506
Report Date: 09/13/23

SAMPLE RESULTS

Lab ID: L2335506-02
Client ID: AREA A-POST(062023)
Sample Location: MPC BUFFALO NY

Date Collected: 06/20/23 14:30
Date Received: 06/21/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	48.8	0.500	--	176	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.01	0.200	--	7.08	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.327	0.200	--	1.04	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	3.40	0.200	--	18.3	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.36	0.200	--	8.89	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.515	0.200	--	2.24	0.869	--		1

Project Name: Q2 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2335506
Report Date: 09/13/23

SAMPLE RESULTS

Lab ID: L2335506-02
Client ID: AREA A-POST(062023)
Sample Location: MPC BUFFALO NY

Date Collected: 06/20/23 14:30
Date Received: 06/21/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.66	0.400	--	11.6	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.229	0.200	--	0.975	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.932	0.200	--	4.05	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.253	0.200	--	1.24	0.983	--		1
1,2,4-Trimethylbenzene	0.973	0.200	--	4.78	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	94		60-140

Project Name: Q2 2023 SSDS MONITORING **Lab Number:** L2335506

Project Number: 01304 **Report Date:** 09/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/01/23 17:04

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1798720-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: Q2 2023 SSDS MONITORING **Lab Number:** L2335506

Project Number: 01304 **Report Date:** 09/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/01/23 17:04

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1798720-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: Q2 2023 SSDS MONITORING **Lab Number:** L2335506

Project Number: 01304 **Report Date:** 09/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/01/23 17:04

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1798720-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q2 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2335506
Report Date: 09/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1798720-3								
Dichlorodifluoromethane	98		-		70-130	-		
Chloromethane	91		-		70-130	-		
Freon-114	98		-		70-130	-		
Vinyl chloride	94		-		70-130	-		
1,3-Butadiene	94		-		70-130	-		
Bromomethane	98		-		70-130	-		
Chloroethane	91		-		70-130	-		
Ethanol	73		-		40-160	-		
Vinyl bromide	93		-		70-130	-		
Acetone	85		-		40-160	-		
Trichlorofluoromethane	99		-		70-130	-		
Isopropanol	88		-		40-160	-		
1,1-Dichloroethene	94		-		70-130	-		
Tertiary butyl Alcohol	87		-		70-130	-		
Methylene chloride	97		-		70-130	-		
3-Chloropropene	89		-		70-130	-		
Carbon disulfide	92		-		70-130	-		
Freon-113	100		-		70-130	-		
trans-1,2-Dichloroethene	90		-		70-130	-		
1,1-Dichloroethane	92		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	95		-		70-130	-		
cis-1,2-Dichloroethene	94		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q2 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2335506
Report Date: 09/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1798720-3								
Ethyl Acetate	95		-		70-130	-		
Chloroform	99		-		70-130	-		
Tetrahydrofuran	91		-		70-130	-		
1,2-Dichloroethane	91		-		70-130	-		
n-Hexane	86		-		70-130	-		
1,1,1-Trichloroethane	93		-		70-130	-		
Benzene	89		-		70-130	-		
Carbon tetrachloride	101		-		70-130	-		
Cyclohexane	86		-		70-130	-		
1,2-Dichloropropane	89		-		70-130	-		
Bromodichloromethane	96		-		70-130	-		
1,4-Dioxane	92		-		70-130	-		
Trichloroethene	99		-		70-130	-		
2,2,4-Trimethylpentane	87		-		70-130	-		
Heptane	90		-		70-130	-		
cis-1,3-Dichloropropene	100		-		70-130	-		
4-Methyl-2-pentanone	104		-		70-130	-		
trans-1,3-Dichloropropene	89		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	91		-		70-130	-		
2-Hexanone	91		-		70-130	-		
Dibromochloromethane	107		-		70-130	-		
1,2-Dibromoethane	101		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q2 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2335506
Report Date: 09/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1798720-3								
Tetrachloroethene	100		-		70-130	-		
Chlorobenzene	99		-		70-130	-		
Ethylbenzene	96		-		70-130	-		
p/m-Xylene	97		-		70-130	-		
Bromoform	106		-		70-130	-		
Styrene	99		-		70-130	-		
1,1,2,2-Tetrachloroethane	98		-		70-130	-		
o-Xylene	96		-		70-130	-		
4-Ethyltoluene	95		-		70-130	-		
1,3,5-Trimethylbenzene	96		-		70-130	-		
1,2,4-Trimethylbenzene	101		-		70-130	-		
Benzyl chloride	94		-		70-130	-		
1,3-Dichlorobenzene	102		-		70-130	-		
1,4-Dichlorobenzene	101		-		70-130	-		
1,2-Dichlorobenzene	105		-		70-130	-		
1,2,4-Trichlorobenzene	114		-		70-130	-		
Hexachlorobutadiene	107		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: Q2 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2335506
Report Date: 09/13/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1798720-5 QC Sample: L2335506-02 Client ID: AREA A-POST(062023)						
Dichlorodifluoromethane	0.589	0.575	ppbV	2		25
Chloromethane	0.376	0.355	ppbV	6		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	30.7	31.1	ppbV	1		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	8.05	8.24	ppbV	2		25
Trichlorofluoromethane	1.30	1.30	ppbV	0		25
Isopropanol	224	222	ppbV	1		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	0.740	0.740	ppbV	0		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: Q2 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2335506
Report Date: 09/13/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1798720-5 QC Sample: L2335506-02 Client ID: AREA A-POST(062023)						
2-Butanone	0.608	0.616	ppbV	1		25
cis-1,2-Dichloroethene	0.339	0.337	ppbV	1		25
Ethyl Acetate	48.8	49.4	ppbV	1		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	2.01	1.97	ppbV	2		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	0.327	0.320	ppbV	2		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	3.40	3.40	ppbV	0		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: Q2 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2335506
Report Date: 09/13/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1798720-5 QC Sample: L2335506-02 Client ID: AREA A-POST(062023)						
Toluene	2.36	2.43	ppbV	3		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	0.515	0.508	ppbV	1		25
p/m-Xylene	2.66	2.66	ppbV	0		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	0.229	0.226	ppbV	1		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	0.932	0.945	ppbV	1		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	0.253	0.258	ppbV	2		25
1,2,4-Trimethylbenzene	0.973	0.964	ppbV	1		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: Q2 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2335506
Report Date: 09/13/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2335506-01A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2335506-01X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2335506-02A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2335506-02X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	Q2 2023 SSDS MONITORING	**Lab Number:**	L2335506
Project Number:	01304	**Report Date:**	09/13/23

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: Data Usability Report

Project Name:	Q2 2023 SSDS MONITORING	**Lab Number:**	L2335506
Project Number:	01304	**Report Date:**	09/13/23

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

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	Q2 2023 SSDS MONITORING	**Lab Number:**	L2335506
Project Number:	01304	**Report Date:**	09/13/23

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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: 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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

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, EPA 537.1.

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.

Serial_No:09132314:20
Serial_No:07052315:12

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd In Lab: 6/22/23

ALPHA Job #: L2335506

Client Information

Client: ENV ADVANTAGE INC
Address: 3636 N. Buffalo Rd
Orchard Park NY 14127
Phone: 716 667 3130
Fax: 716 667 3156
Email: mhanna@envadvantage.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Q2 2023 SSDS Monitoring
Project Location: MPC Buffalo NY
Project #: 01304
Project Manager: Mark Hanna + Mary Szustak
ALPHA Quote #:

Turn-Around Time

X Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
X ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

X Same as Client info PO # 01304

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
35506-01	Area A - Pre (062023)	6/20/23	14:15	14:15	—	—	SV	CS	5L	—	—	X					
02	Area ~~B~~ A - Post (062023) MS 9/13/23	6/20/23	14:30	14:30	—	—	SV	CS	5L	—	—	X					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: 5L TEDLAR

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	6/21/23 1115	[signature] AAL	6/21/23 13:15
[signature] AAL	6/21/23 14:55	[signature]	6/21/23 01:15
[signature] 6/22/23 500		[signature] AAL	6/22/23 0500
[signature] AAL	6/22/23 0625	[signature]	6/22/23 06:15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions.
See reverse side.

Form No: 101-02 Rev: (25-Sep-15)

Page 27 of 27

ANALYTICAL REPORT

Lab Number:	L2353358
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	Q3 2023 SSDS MONITORING
Project Number:	01304
Report Date:	10/02/23

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (99110) , NJ (MA015), NY (11627), NC (685), OH (CL106), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2353358
Report Date: 10/02/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2353358-01	AREA A-PRE(091323)	SOIL_VAPOR	MPC BUFFALO NY	09/13/23 12:15	09/13/23
L2353358-02	AREA A-POST(091323)	SOIL_VAPOR	MPC BUFFALO NY	09/13/23 12:30	09/13/23

Project Name:	Q3 2023 SSDS MONITORING	**Lab Number:**	L2353358
Project Number:	01304	**Report Date:**	10/02/23

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:	Q3 2023 SSDS MONITORING	**Lab Number:**	L2353358
Project Number:	01304	**Report Date:**	10/02/23

Case Narrative (continued)

Volatile Organics in Air

L2353358-01 and -02: Samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt in order to extend the holding time for analysis.

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: Christopher J. Anderson

Title: Technical Director/Representative Date: 10/02/23

AIR

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2353358
Report Date: 10/02/23

SAMPLE RESULTS

Lab ID: L2353358-01
Client ID: AREA A-PRE(091323)
Sample Location: MPC BUFFALO NY

Date Collected: 09/13/23 12:15
Date Received: 09/13/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/30/23 23:15
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.472	0.200	--	2.33	0.989	--		1
Chloromethane	0.316	0.200	--	0.653	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	27.5	5.00	--	51.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	26.3	1.00	--	62.5	2.38	--		1
Trichlorofluoromethane	1.01	0.200	--	5.68	1.12	--		1
Isopropanol	38.6	0.500	--	94.9	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.50	0.500	--	4.55	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.98	0.200	--	6.17	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.41	0.500	--	4.16	1.47	--		1
cis-1,2-Dichloroethene	1.31	0.200	--	5.19	0.793	--		1

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2353358
Report Date: 10/02/23

SAMPLE RESULTS

Lab ID: L2353358-01
Client ID: AREA A-PRE(091323)
Sample Location: MPC BUFFALO NY

Date Collected: 09/13/23 12:15
Date Received: 09/13/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	13.9	0.500	--	50.1	1.80	--		1
Chloroform	0.812	0.200	--	3.97	0.977	--		1
Tetrahydrofuran	0.646	0.500	--	1.91	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.83	0.200	--	13.5	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.405	0.200	--	1.29	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	58.3	0.200	--	313	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.301	0.200	--	1.23	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.34	0.500	--	5.49	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.25	0.200	--	8.48	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.247	0.200	--	1.67	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.557	0.200	--	2.42	0.869	--		1

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2353358
Report Date: 10/02/23

SAMPLE RESULTS

Lab ID: L2353358-01
Client ID: AREA A-PRE(091323)
Sample Location: MPC BUFFALO NY

Date Collected: 09/13/23 12:15
Date Received: 09/13/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.53	0.400	--	11.0	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.310	0.200	--	1.32	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.866	0.200	--	3.76	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.233	0.200	--	1.15	0.983	--		1
1,2,4-Trimethylbenzene	0.884	0.200	--	4.35	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	92		60-140

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2353358
Report Date: 10/02/23

SAMPLE RESULTS

Lab ID: L2353358-02
Client ID: AREA A-POST(091323)
Sample Location: MPC BUFFALO NY

Date Collected: 09/13/23 12:30
Date Received: 09/13/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/30/23 22:45
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.373	0.200	--	1.84	0.989	--		1
Chloromethane	0.284	0.200	--	0.586	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	22.8	5.00	--	43.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.70	1.00	--	15.9	2.38	--		1
Trichlorofluoromethane	0.851	0.200	--	4.78	1.12	--		1
Isopropanol	129	0.500	--	317	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.782	0.500	--	2.37	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.607	0.200	--	1.89	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.681	0.500	--	2.01	1.47	--		1
cis-1,2-Dichloroethene	1.09	0.200	--	4.32	0.793	--		1

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2353358
Report Date: 10/02/23

SAMPLE RESULTS

Lab ID: L2353358-02
Client ID: AREA A-POST(091323)
Sample Location: MPC BUFFALO NY

Date Collected: 09/13/23 12:30
Date Received: 09/13/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	13.1	0.500	--	47.2	1.80	--		1
Chloroform	3.09	0.200	--	15.1	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.92	0.200	--	10.3	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.204	0.200	--	0.652	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	3.42	0.200	--	18.4	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.38	0.200	--	5.20	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.284	0.200	--	1.23	0.869	--		1

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2353358
Report Date: 10/02/23

SAMPLE RESULTS

Lab ID: L2353358-02
Client ID: AREA A-POST(091323)
Sample Location: MPC BUFFALO NY

Date Collected: 09/13/23 12:30
Date Received: 09/13/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.40	0.400	--	6.08	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.511	0.200	--	2.22	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.679	0.200	--	3.34	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2353358
Report Date: 10/02/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/30/23 16:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1834124-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2353358
Report Date: 10/02/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/30/23 16:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1834124-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2353358
Report Date: 10/02/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/30/23 16:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1834124-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2353358
Report Date: 10/02/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1834124-3								
Dichlorodifluoromethane	83		-		70-130	-		
Chloromethane	94		-		70-130	-		
Freon-114	90		-		70-130	-		
Vinyl chloride	95		-		70-130	-		
1,3-Butadiene	90		-		70-130	-		
Bromomethane	84		-		70-130	-		
Chloroethane	89		-		70-130	-		
Ethanol	97		-		40-160	-		
Vinyl bromide	77		-		70-130	-		
Acetone	88		-		40-160	-		
Trichlorofluoromethane	78		-		70-130	-		
Isopropanol	82		-		40-160	-		
1,1-Dichloroethene	90		-		70-130	-		
Tertiary butyl Alcohol	93		-		70-130	-		
Methylene chloride	92		-		70-130	-		
3-Chloropropene	109		-		70-130	-		
Carbon disulfide	82		-		70-130	-		
Freon-113	92		-		70-130	-		
trans-1,2-Dichloroethene	93		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	89		-		70-130	-		
2-Butanone	102		-		70-130	-		
cis-1,2-Dichloroethene	101		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2353358
Report Date: 10/02/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1834124-3								
Ethyl Acetate	104		-		70-130	-		
Chloroform	92		-		70-130	-		
Tetrahydrofuran	103		-		70-130	-		
1,2-Dichloroethane	86		-		70-130	-		
n-Hexane	102		-		70-130	-		
1,1,1-Trichloroethane	96		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	95		-		70-130	-		
Cyclohexane	100		-		70-130	-		
1,2-Dichloropropane	113		-		70-130	-		
Bromodichloromethane	98		-		70-130	-		
1,4-Dioxane	99		-		70-130	-		
Trichloroethene	101		-		70-130	-		
2,2,4-Trimethylpentane	104		-		70-130	-		
Heptane	114		-		70-130	-		
cis-1,3-Dichloropropene	104		-		70-130	-		
4-Methyl-2-pentanone	120		-		70-130	-		
trans-1,3-Dichloropropene	88		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	100		-		70-130	-		
2-Hexanone	112		-		70-130	-		
Dibromochloromethane	100		-		70-130	-		
1,2-Dibromoethane	94		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2353358
Report Date: 10/02/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1834124-3								
Tetrachloroethene	91		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	97		-		70-130	-		
Styrene	95		-		70-130	-		
1,1,2,2-Tetrachloroethane	103		-		70-130	-		
o-Xylene	101		-		70-130	-		
4-Ethyltoluene	89		-		70-130	-		
1,3,5-Trimethylbenzene	96		-		70-130	-		
1,2,4-Trimethylbenzene	98		-		70-130	-		
Benzyl chloride	105		-		70-130	-		
1,3-Dichlorobenzene	92		-		70-130	-		
1,4-Dichlorobenzene	91		-		70-130	-		
1,2-Dichlorobenzene	90		-		70-130	-		
1,2,4-Trichlorobenzene	88		-		70-130	-		
Hexachlorobutadiene	88		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2353358
Report Date: 10/02/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1834124-5 QC Sample: L2353358-01 Client ID: AREA A-PRE(091323)						
Dichlorodifluoromethane	0.472	0.461	ppbV	2		25
Chloromethane	0.316	0.327	ppbV	3		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	27.5	24.8	ppbV	10		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	26.3	25.8	ppbV	2		25
Trichlorofluoromethane	1.01	1.02	ppbV	1		25
Isopropanol	38.6	37.7	ppbV	2		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	1.50	1.48	ppbV	1		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	1.98	2.02	ppbV	2		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2353358
Report Date: 10/02/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1834124-5 QC Sample: L2353358-01 Client ID: AREA A-PRE(091323)						
2-Butanone	1.41	1.41	ppbV	0		25
cis-1,2-Dichloroethene	1.31	1.31	ppbV	0		25
Ethyl Acetate	13.9	14.0	ppbV	1		25
Chloroform	0.812	0.808	ppbV	0		25
Tetrahydrofuran	0.646	0.655	ppbV	1		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	3.83	3.86	ppbV	1		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	0.405	0.409	ppbV	1		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	58.3	58.2	ppbV	0		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	0.301	0.329	ppbV	9		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	1.34	1.36	ppbV	1		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2353358
Report Date: 10/02/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1834124-5 QC Sample: L2353358-01 Client ID: AREA A-PRE(091323)						
Toluene	2.25	2.28	ppbV	1		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	0.247	0.249	ppbV	1		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	0.557	0.555	ppbV	0		25
p/m-Xylene	2.53	2.50	ppbV	1		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	0.310	0.311	ppbV	0		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	0.866	0.851	ppbV	2		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	0.233	0.238	ppbV	2		25
1,2,4-Trimethylbenzene	0.884	0.870	ppbV	2		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: Q3 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2353358
Report Date: 10/02/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2353358-01A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2353358-01X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2353358-02A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2353358-02X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	Q3 2023 SSDS MONITORING	**Lab Number:**	L2353358
Project Number:	01304	**Report Date:**	10/02/23

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: Data Usability Report

Project Name:	Q3 2023 SSDS MONITORING	**Lab Number:**	L2353358
Project Number:	01304	**Report Date:**	10/02/23

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

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	Q3 2023 SSDS MONITORING	**Lab Number:**	L2353358
Project Number:	01304	**Report Date:**	10/02/23

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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: 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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

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, EPA 537.1.

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.

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab: 9/14/23

ALPHA Job #: L2353358

Client Information

Client: Env ADVAntage inc
Address: 3636 N. Buffalo rd
Orchard Park NY 14127
Phone: 716 667 3130
Fax: 716 667 3156
Email: mhana@envadvantage.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Q3 2023 SSDS Monitoring
Project Location: MPC Buffalo NY
Project #: 01304
Project Manager: Mark Hana + Mary Szustak
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 01304

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH (Subset Non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
53358-01	Area A-Pre(091323)	9/13/23	12:15	12:15	—	—	SV	CS	5L	—	—	X					
02	Area A Post (091323)	9/13/23	12:30	12:30	—	—	SV	CS	5L	—	—	X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: 6L Tedlar

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Cal Snyder ARL	9/13/23 1350		9/13/23 1350
ARL	9/13/23 1635		9/14/23 0040
ARL	9/14/23 500	Ed Mendoza ARL	9/14/23 0505
Ed Mendoza ARL	9/14/23 0620		9/14/23 0620

ANALYTICAL REPORT

Lab Number:	L2373355
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	Q4 2023 SSDS MONITORING
Project Number:	01304
Report Date:	12/27/23

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (99110) , NJ (MA015), NY (11627), NC (685), OH (CL106), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: Q4 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2373355
Report Date: 12/27/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2373355-01	AREA A-PRE(121223)	SOIL_VAPOR	MPC BUFFALO, NY	12/12/23 15:25	12/12/23
L2373355-02	AREA A-POST(121223)	SOIL_VAPOR	MPC BUFFALO, NY	12/12/23 15:40	12/12/23

Project Name:	Q4 2023 SSDS MONITORING	**Lab Number:**	L2373355
Project Number:	01304	**Report Date:**	12/27/23

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:	Q4 2023 SSDS MONITORING	**Lab Number:**	L2373355
Project Number:	01304	**Report Date:**	12/27/23

Case Narrative (continued)

Volatile Organics in Air

L2373355-01 & -02: Samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt in order to extend the holding time for analysis.

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:  Jennifer Jerome

Title: Technical Director/Representative Date: 12/27/23

AIR

Project Name: Q4 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2373355
Report Date: 12/27/23

SAMPLE RESULTS

Lab ID: L2373355-01
Client ID: AREA A-PRE(121223)
Sample Location: MPC BUFFALO, NY

Date Collected: 12/12/23 15:25
Date Received: 12/12/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/27/23 04:11
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.529	0.200	--	2.62	0.989	--		1
Chloromethane	0.334	0.200	--	0.690	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	15.2	5.00	--	28.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	34.0	1.00	--	80.8	2.38	--		1
Trichlorofluoromethane	0.384	0.200	--	2.16	1.12	--		1
Isopropanol	39.4	0.500	--	96.8	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.09	0.500	--	3.30	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.25	0.200	--	3.89	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.629	0.500	--	1.86	1.47	--		1
cis-1,2-Dichloroethene	0.972	0.200	--	3.85	0.793	--		1

Project Name: Q4 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2373355
Report Date: 12/27/23

SAMPLE RESULTS

Lab ID: L2373355-01
Client ID: AREA A-PRE(121223)
Sample Location: MPC BUFFALO, NY

Date Collected: 12/12/23 15:25
Date Received: 12/12/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	6.71	0.500	--	24.2	1.80	--		1
Chloroform	0.744	0.200	--	3.63	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.93	0.200	--	6.80	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.221	0.200	--	0.706	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	46.2	0.200	--	248	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.534	0.200	--	2.19	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.20	0.200	--	4.52	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.349	0.200	--	1.52	0.869	--		1

Project Name: Q4 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2373355
Report Date: 12/27/23

SAMPLE RESULTS

Lab ID: L2373355-01
Client ID: AREA A-PRE(121223)
Sample Location: MPC BUFFALO, NY

Date Collected: 12/12/23 15:25
Date Received: 12/12/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.49	0.400	--	6.47	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.489	0.200	--	2.12	0.869	--		1
4-Ethyltoluene	0.203	0.200	--	0.998	0.983	--		1
1,3,5-Trimethylbenzene	0.323	0.200	--	1.59	0.983	--		1
1,2,4-Trimethylbenzene	0.862	0.200	--	4.24	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	95		60-140

Project Name: Q4 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2373355
Report Date: 12/27/23

SAMPLE RESULTS

Lab ID: L2373355-02
Client ID: AREA A-POST(121223)
Sample Location: MPC BUFFALO, NY

Date Collected: 12/12/23 15:40
Date Received: 12/12/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/27/23 03:32
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.444	0.200	--	2.20	0.989	--		1
Chloromethane	0.280	0.200	--	0.578	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	27.6	5.00	--	52.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.69	1.00	--	18.3	2.38	--		1
Trichlorofluoromethane	0.308	0.200	--	1.73	1.12	--		1
Isopropanol	65.2	0.500	--	160	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.44	0.500	--	4.37	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.448	0.200	--	1.40	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	0.796	0.200	--	3.16	0.793	--		1

Project Name: Q4 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2373355
Report Date: 12/27/23

SAMPLE RESULTS

Lab ID: L2373355-02
Client ID: AREA A-POST(121223)
Sample Location: MPC BUFFALO, NY

Date Collected: 12/12/23 15:40
Date Received: 12/12/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	10.8	0.500	--	38.9	1.80	--		1
Chloroform	2.04	0.200	--	9.96	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.494	0.200	--	1.74	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	2.35	0.200	--	12.6	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.760	0.200	--	2.86	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: Q4 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2373355
Report Date: 12/27/23

SAMPLE RESULTS

Lab ID: L2373355-02
Client ID: AREA A-POST(121223)
Sample Location: MPC BUFFALO, NY

Date Collected: 12/12/23 15:40
Date Received: 12/12/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.850	0.400	--	3.69	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.305	0.200	--	1.32	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.468	0.200	--	2.30	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	94		60-140

Project Name: Q4 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2373355
Report Date: 12/27/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/26/23 14:56

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1868193-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: Q4 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2373355
Report Date: 12/27/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/26/23 14:56

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1868193-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: Q4 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2373355
Report Date: 12/27/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/26/23 14:56

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1868193-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q4 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2373355
Report Date: 12/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1868193-3								
Dichlorodifluoromethane	91		-		70-130	-		
Chloromethane	92		-		70-130	-		
Freon-114	101		-		70-130	-		
Vinyl chloride	91		-		70-130	-		
1,3-Butadiene	97		-		70-130	-		
Bromomethane	93		-		70-130	-		
Chloroethane	91		-		70-130	-		
Ethanol	95		-		40-160	-		
Vinyl bromide	91		-		70-130	-		
Acetone	90		-		40-160	-		
Trichlorofluoromethane	81		-		70-130	-		
Isopropanol	72		-		40-160	-		
1,1-Dichloroethene	97		-		70-130	-		
Tertiary butyl Alcohol	83		-		70-130	-		
Methylene chloride	97		-		70-130	-		
3-Chloropropene	109		-		70-130	-		
Carbon disulfide	95		-		70-130	-		
Freon-113	99		-		70-130	-		
trans-1,2-Dichloroethene	95		-		70-130	-		
1,1-Dichloroethane	96		-		70-130	-		
Methyl tert butyl ether	92		-		70-130	-		
2-Butanone	105		-		70-130	-		
cis-1,2-Dichloroethene	97		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q4 2023 SSDS MONITORING

Project Number: 01304

Lab Number: L2373355

Report Date: 12/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1868193-3								
Ethyl Acetate	100		-		70-130	-		
Chloroform	92		-		70-130	-		
Tetrahydrofuran	103		-		70-130	-		
1,2-Dichloroethane	91		-		70-130	-		
n-Hexane	97		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	93		-		70-130	-		
Carbon tetrachloride	100		-		70-130	-		
Cyclohexane	98		-		70-130	-		
1,2-Dichloropropane	100		-		70-130	-		
Bromodichloromethane	106		-		70-130	-		
1,4-Dioxane	98		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	98		-		70-130	-		
Heptane	112		-		70-130	-		
cis-1,3-Dichloropropene	99		-		70-130	-		
4-Methyl-2-pentanone	114		-		70-130	-		
trans-1,3-Dichloropropene	96		-		70-130	-		
1,1,2-Trichloroethane	104		-		70-130	-		
Toluene	99		-		70-130	-		
2-Hexanone	111		-		70-130	-		
Dibromochloromethane	118		-		70-130	-		
1,2-Dibromoethane	103		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q4 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2373355
Report Date: 12/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1868193-3								
Tetrachloroethene	97		-		70-130	-		
Chlorobenzene	99		-		70-130	-		
Ethylbenzene	101		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	122		-		70-130	-		
Styrene	102		-		70-130	-		
1,1,2,2-Tetrachloroethane	102		-		70-130	-		
o-Xylene	104		-		70-130	-		
4-Ethyltoluene	104		-		70-130	-		
1,3,5-Trimethylbenzene	100		-		70-130	-		
1,2,4-Trimethylbenzene	102		-		70-130	-		
Benzyl chloride	102		-		70-130	-		
1,3-Dichlorobenzene	102		-		70-130	-		
1,4-Dichlorobenzene	100		-		70-130	-		
1,2-Dichlorobenzene	99		-		70-130	-		
1,2,4-Trichlorobenzene	94		-		70-130	-		
Hexachlorobutadiene	94		-		70-130	-		

Project Name: Q4 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2373355
Report Date: 12/27/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2373355-01A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2373355-01X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2373355-02A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2373355-02X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	Q4 2023 SSDS MONITORING	**Lab Number:**	L2373355
Project Number:	01304	**Report Date:**	12/27/23

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.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.

Report Format: Data Usability Report

Project Name:	Q4 2023 SSDS MONITORING	**Lab Number:**	L2373355
Project Number:	01304	**Report Date:**	12/27/23

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

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	Q4 2023 SSDS MONITORING	**Lab Number:**	L2373355
Project Number:	01304	**Report Date:**	12/27/23

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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: 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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

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, EPA 537.1.

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.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 12/13/23

ALPHA Job #: L2373355

Client Information

Client: ENV. ADvantage, Inc.
Address: 3636 N. Buffalo Rd
Orchard Park NY 14127
Phone: 716 667 3130
Fax: 716 667 3156
Email: mhanna@envadvantage.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Q4 2023 SSDS Monitoring
Project Location: MPC Buffalo, NY
Project #: 01304
Project Manager: Mark Hanna + Mercy Szuster
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☑ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria indicated)
Other Formats: _____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #: 01304

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Also email results to lab results@envadvantage.com.

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (subject non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
73355-01	Area A - Pre (12122)	12/12/23	1525	1525	—	—	SV	CS	5L	—	—	X					
02	Area A - Post (12122)	12/12/23	1540	1540	—	—	SV	CS	5L	—	—	X					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	12/14/23 1545	AAL	12/12/23 1545
AAL	12/12/23 1615		12/13/23 00:40
	12/13/23 500	AAL	12/13/23 05:00
AAL	12/13/23 0623		12/13/23 0623

ANALYTICAL REPORT

Lab Number:	L2413550
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	Q1 2024 SSDS MONITORING
Project Number:	01304
Report Date:	03/29/24

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (99110) , NJ (MA015), NY (11627), NC (685), OH (CL106), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708), USFWS (Permit #A24920).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: Q1 2024 SSDS MONITORING
Project Number: 01304

Lab Number: L2413550
Report Date: 03/29/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2413550-01	AREA A-PRE(031224)	SOIL_VAPOR	MPC BUFFALO NY	03/12/24 12:45	03/13/24
L2413550-02	AREA A-POST(031224)	SOIL_VAPOR	MPC BUFFALO NY	03/12/24 12:45	03/13/24

Project Name:	Q1 2024 SSDS MONITORING	**Lab Number:**	L2413550
Project Number:	01304	**Report Date:**	03/29/24

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:	Q1 2024 SSDS MONITORING	**Lab Number:**	L2413550
Project Number:	01304	**Report Date:**	03/29/24

Case Narrative (continued)

Volatile Organics in Air

L2413550-01: Samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt in order to extend the holding time for analysis.

L2413550-02: Samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt in order to extend the holding time for analysis.

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: Christopher J. Anderson

Title: Technical Director/Representative Date: 03/29/24

AIR

Project Name: Q1 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2413550
Report Date: 03/29/24

SAMPLE RESULTS

Lab ID: L2413550-01
Client ID: AREA A-PRE(031224)
Sample Location: MPC BUFFALO NY

Date Collected: 03/12/24 12:45
Date Received: 03/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/29/24 01:39
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.442	0.200	--	2.19	0.989	--		1
Chloromethane	0.671	0.200	--	1.39	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	56.7	5.00	--	107	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	99.3	1.00	--	236	2.38	--		1
Trichlorofluoromethane	0.500	0.200	--	2.81	1.12	--		1
Isopropanol	88.4	0.500	--	217	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.84	0.500	--	8.61	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.248	0.200	--	0.772	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.902	0.500	--	2.66	1.47	--		1
cis-1,2-Dichloroethene	0.590	0.200	--	2.34	0.793	--		1

Project Name: Q1 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2413550
Report Date: 03/29/24

SAMPLE RESULTS

Lab ID: L2413550-01
Client ID: AREA A-PRE(031224)
Sample Location: MPC BUFFALO NY

Date Collected: 03/12/24 12:45
Date Received: 03/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	12.8	0.500	--	46.1	1.80	--		1
Chloroform	0.382	0.200	--	1.87	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.16	0.200	--	11.1	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.324	0.200	--	1.04	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	28.2	0.200	--	152	1.07	--		1
2,2,4-Trimethylpentane	0.280	0.200	--	1.31	0.934	--		1
Heptane	1.98	0.200	--	8.11	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.91	0.200	--	11.0	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.727	0.200	--	3.16	0.869	--		1

Project Name: Q1 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2413550
Report Date: 03/29/24

SAMPLE RESULTS

Lab ID: L2413550-01
Client ID: AREA A-PRE(031224)
Sample Location: MPC BUFFALO NY

Date Collected: 03/12/24 12:45
Date Received: 03/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.73	0.400	--	11.9	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.830	0.200	--	3.61	0.869	--		1
4-Ethyltoluene	0.573	0.200	--	2.82	0.983	--		1
1,3,5-Trimethylbenzene	0.911	0.200	--	4.48	0.983	--		1
1,2,4-Trimethylbenzene	2.22	0.200	--	10.9	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	99		60-140

Project Name: Q1 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2413550
Report Date: 03/29/24

SAMPLE RESULTS

Lab ID: L2413550-02
Client ID: AREA A-POST(031224)
Sample Location: MPC BUFFALO NY

Date Collected: 03/12/24 12:45
Date Received: 03/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/29/24 04:20
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.583	0.200	--	2.88	0.989	--		1
Chloromethane	0.310	0.200	--	0.640	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	46.2	5.00	--	87.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	15.9	1.00	--	37.8	2.38	--		1
Trichlorofluoromethane	0.377	0.200	--	2.12	1.12	--		1
Isopropanol	178	0.500	--	438	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	3.65	0.500	--	11.1	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.278	0.200	--	0.866	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	1.07	0.200	--	4.24	0.793	--		1

Project Name: Q1 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2413550
Report Date: 03/29/24

SAMPLE RESULTS

Lab ID: L2413550-02
Client ID: AREA A-POST(031224)
Sample Location: MPC BUFFALO NY

Date Collected: 03/12/24 12:45
Date Received: 03/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	11.5	0.500	--	41.4	1.80	--		1
Chloroform	0.910	0.200	--	4.44	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	1.72	0.200	--	9.24	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.222	0.200	--	0.910	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.22	0.200	--	4.60	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.358	0.200	--	1.55	0.869	--		1

Project Name: Q1 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2413550
Report Date: 03/29/24

SAMPLE RESULTS

Lab ID: L2413550-02
Client ID: AREA A-POST(031224)
Sample Location: MPC BUFFALO NY

Date Collected: 03/12/24 12:45
Date Received: 03/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.37	0.400	--	5.95	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.406	0.200	--	1.76	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.256	0.200	--	1.26	0.983	--		1
1,2,4-Trimethylbenzene	0.622	0.200	--	3.06	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	95		60-140

Project Name: Q1 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2413550
Report Date: 03/29/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/28/24 15:10

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1902124-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: Q1 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2413550
Report Date: 03/29/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/28/24 15:10

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1902124-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: Q1 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2413550
Report Date: 03/29/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/28/24 15:10

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1902124-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q1 2024 SSDS MONITORING

Project Number: 01304

Lab Number: L2413550

Report Date: 03/29/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1902124-3								
Dichlorodifluoromethane	92		-		70-130	-		
Chloromethane	90		-		70-130	-		
Freon-114	100		-		70-130	-		
Vinyl chloride	90		-		70-130	-		
1,3-Butadiene	97		-		70-130	-		
Bromomethane	93		-		70-130	-		
Chloroethane	91		-		70-130	-		
Ethanol	90		-		40-160	-		
Vinyl bromide	88		-		70-130	-		
Acetone	90		-		40-160	-		
Trichlorofluoromethane	89		-		70-130	-		
Isopropanol	84		-		40-160	-		
1,1-Dichloroethene	93		-		70-130	-		
Tertiary butyl Alcohol	89		-		70-130	-		
Methylene chloride	93		-		70-130	-		
3-Chloropropene	97		-		70-130	-		
Carbon disulfide	87		-		70-130	-		
Freon-113	91		-		70-130	-		
trans-1,2-Dichloroethene	89		-		70-130	-		
1,1-Dichloroethane	91		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	94		-		70-130	-		
cis-1,2-Dichloroethene	93		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q1 2024 SSDS MONITORING
Project Number: 01304

Lab Number: L2413550
Report Date: 03/29/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1902124-3								
Ethyl Acetate	91		-		70-130	-		
Chloroform	93		-		70-130	-		
Tetrahydrofuran	93		-		70-130	-		
1,2-Dichloroethane	91		-		70-130	-		
n-Hexane	91		-		70-130	-		
1,1,1-Trichloroethane	93		-		70-130	-		
Benzene	91		-		70-130	-		
Carbon tetrachloride	97		-		70-130	-		
Cyclohexane	92		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	98		-		70-130	-		
1,4-Dioxane	100		-		70-130	-		
Trichloroethene	89		-		70-130	-		
2,2,4-Trimethylpentane	95		-		70-130	-		
Heptane	98		-		70-130	-		
cis-1,3-Dichloropropene	98		-		70-130	-		
4-Methyl-2-pentanone	99		-		70-130	-		
trans-1,3-Dichloropropene	99		-		70-130	-		
1,1,2-Trichloroethane	91		-		70-130	-		
Toluene	90		-		70-130	-		
2-Hexanone	106		-		70-130	-		
Dibromochloromethane	101		-		70-130	-		
1,2-Dibromoethane	96		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q1 2024 SSDS MONITORING
Project Number: 01304

Lab Number: L2413550
Report Date: 03/29/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1902124-3								
Tetrachloroethene	88		-		70-130	-		
Chlorobenzene	92		-		70-130	-		
Ethylbenzene	92		-		70-130	-		
p/m-Xylene	94		-		70-130	-		
Bromoform	99		-		70-130	-		
Styrene	97		-		70-130	-		
1,1,2,2-Tetrachloroethane	96		-		70-130	-		
o-Xylene	96		-		70-130	-		
4-Ethyltoluene	95		-		70-130	-		
1,3,5-Trimethylbenzene	101		-		70-130	-		
1,2,4-Trimethylbenzene	98		-		70-130	-		
Benzyl chloride	91		-		70-130	-		
1,3-Dichlorobenzene	96		-		70-130	-		
1,4-Dichlorobenzene	94		-		70-130	-		
1,2-Dichlorobenzene	96		-		70-130	-		
1,2,4-Trichlorobenzene	83		-		70-130	-		
Naphthalene	93		-		70-130	-		
Hexachlorobutadiene	86		-		70-130	-		

Project Name: Q1 2024 SSDS MONITORING
Project Number: 01304

Lab Number: L2413550
Report Date: 03/29/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2413550-01A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2413550-01X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2413550-02A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2413550-02X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	Q1 2024 SSDS MONITORING	**Lab Number:**	L2413550
Project Number:	01304	**Report Date:**	03/29/24

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.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.

Report Format: Data Usability Report

Project Name:	Q1 2024 SSDS MONITORING	**Lab Number:**	L2413550
Project Number:	01304	**Report Date:**	03/29/24

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

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	Q1 2024 SSDS MONITORING	**Lab Number:**	L2413550
Project Number:	01304	**Report Date:**	03/29/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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: 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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

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, EPA 537.1.

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.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 3/14/24

ALPHA Job #: L2413550

Client Information

Client: Env. Advantage, INC.
Address: 3636 N. Buffalo Rd
Orchard Park, NY 14127
Phone: 716 667 31 30
Fax: 716 667 3156
Email: mhanna@envadvantage.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Q1 2024 SSDS Monitoring
Project Location: MPC Buffalo NY
Project #: 01304
Project Manager: Mark Hanna + Mary Szostak
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO # 01304

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subject Non-petroleum HCs	Fixed Gases ☐	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
13550-01	Area A - Pre (031224)	031224	12:45	12:45	-	-	SV	CS	5L	-	-	X					
02	Area A - Post (031224)	031224	12:45	12:45	-	-	SV	CS	5L	-	-	X					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: Tedlar

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Ryan Hooker	3/13/24 10:20	R. Bishop	3-13-24 10:20
R. Bishop	3-13-24 12:58		3/14/24 0045
	3/14/24 0638	AAL	3/14/24 0638

AAL 3/14/24 0638

APPENDIX E

ANNUAL SITE INSPECTION FORM

FIELD NOTES

MOD-PAC Corporation Site
1801 Elmwood Avenue, Buffalo, New York

Inspector's Name: Mary Szustak
Weather Conditions: Sunny
Inspection Date: 04/15/2024
Temperature (°F): 54°F
Inspection Time: 12:30 P.M.

Comments:

Additionally, met with Matrix Environmental Technologies, Inc. (METI) for oversight of Annual SSDS Certification. The cover was in good condition with no visible potholes or deterioration within the BCP boundary. The cover system was inspected within both the MOD-PAC parcel and the Nardin Fields. Some fabric was visible east of the Nardin Field.

Pre Inspection Checklist

- Review previous annual inspections
- Meet with the site representative to solicit comments/concerns regarding the inspection.

Comments:

No additional comments.

Cover System - Floor Inspection

1. Walk all freely accessable floors

- Any visible cracks or settlement in the ground floors?
- Any other visible openings (unintended) in the ground floors?
- Draw approximate location of floor cracks/openings on site map.
- Note the length of the crack/opening.

Comments:

MPC personnel applied an epoxy coating to Area A Vapor Extraction trenches during March 2024. Area B and most of Area C have epoxy coating applied to most areas of the floor. The epoxy coating application fully seals and maintains the interior cover system. At the time of the inspection the full cover in Area A was not epoxied, only the cracks. The plan is to fully epoxy Area A within the next two years. No significant cracks were observed at the time of the cover inspection.

Cover System - Exterior Inspection

1. Walk and inspect the entire perimeter of the Site.

2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site.

- Are there any signs of significant cracks, settlement or deterioration of the paved areas?
- Has any of the pavement material been removed?
- Have any structures been constructed on the unpaved areas?
- Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)?
- Are there any signs of intrusive activities (drilling, digging, trenching, grading,

Comments:

All paved areas were free of any significant cracks, settlement, and deterioration within the BCP Boundary.
There was no evidence of any erosion or intrusive activities. Some fabric showing to the East of the Nardin Athletic Field.
Additional Stone should be placed in this area to protect the stone cover underneath the fabric.

Repair

Summarize needed/completed repairs to the Engineering Controls:

No needed repairs were identified during the site inspection. Sone additional stone should be placed at the Nardin Fields.

The monitoring well on the Northwest corner of the MOD-PAC building (MW-6 /SB-125), the well near the Elmwood Ave entrance (MW-7/SB-127), and the well near the end of Ledger St. (MW-4/SB-149) should be decommissioned as per CP-43. No other remedial wells were discovered during the Site Inspection, it is assumed that these wells were decommissioned during IRM remedial activities.

Inspector's Signature: Mary M Szustak

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Annual Engineering Control Inspection

Representatives: Steve Marchetti. (Matrix) + Mary Szustak (EA)
Date of Inspection: 4/15/24

Area A

Extraction Well Location	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A
Magnehelic Pressure Gauge Reading (InH_20)	18	19	20	19	18	0.2	19	20	19	20

Vapor Monitoring Point Location	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-8AR	VMP-9A
Manometer Reading (InH_20)	-0.077	-0.149	-0.175	-0.092	-0.045	0.000	-0.027	0.000	-0.014	-0.274

General Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.1
2. Post-Carbon OVM Reading (ppm): 0.0
3. Blower Gauge Reading in inches of water (InH_20): 23
4. Quarterly pre- and post-carbon Tedlar Bag samples taken (Y/N)? N

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Area B

Extraction Well Location	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B
Magnehelic Pressure Gauge Reading (InH_20)	36	37	38	38	37	38	37	37

Vapor Monitoring Point Location	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-5BR	VMP-6B	VMP-7B
Manometer Reading (InH_20)	-0.036	-0.101	-0.652	-0.864	- 0.000	-0.058	-0.038	-0.695

General Monitoring Checklist:

1. OVM Reading (ppm): 0.0
2. Blower Gauge Reading in inches of water (InH_20): N/A

General Comments (leaks, defective gauges/fans, positive pressure readings?): Blower B was inaccessible, Matrix/EA did not have the key to enter the remediation shed. The blower was operating.

Area C

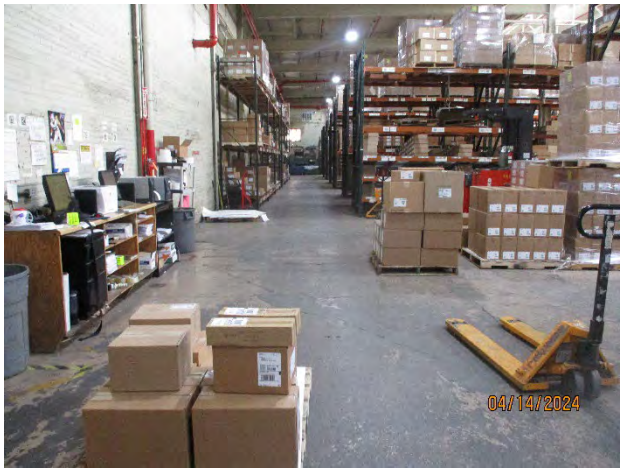
Extraction Well Location	EW-1C	EW-2C	EW-3C
Magnehelic Pressure Gauge Reading (InH_20)	43	45	30
OVM Reading (ppm)	0.0	0.0	0.0

Vapor Monitoring Point Location	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
Manometer Reading (InH_20)	-0.091	-0.203	-0.059	-0.163	-0.214	-0.078

General Monitoring Checklist:

1. OVM Reading (ppm): 0.0
2. Blower Gauge Reading in inches of water (InH_20): No gauge for EW1C + EW2C at the blower – one will be installed

General Comments (leaks, defective gauges/fans, positive pressure readings?):
EW-3C was off upon arrival, but the fan was turned back on by Matrix. The timer switch was off, therefore it was manually shut off. It is suspected that the fan was turned off while cracks in the floor were repaired and not turned back on.

			
1.	4/15/24 - View of the newly repaired road box for MW-03.	2.	4/15/24 - View of epoxied cracks in Area A around VMP-8A facing north.
			
3.	4/15/24 - View epoxied cracks in Area around VMP-7A facing east.	4.	4/15/24 - View of the Area A cover looking east.
			
5.	4/15/24 - View of the proximity of VMP-5B to the dock leveler Facing north.	6.	4/15/24 - View of the cover in Area B looking south east and SSDS piping.

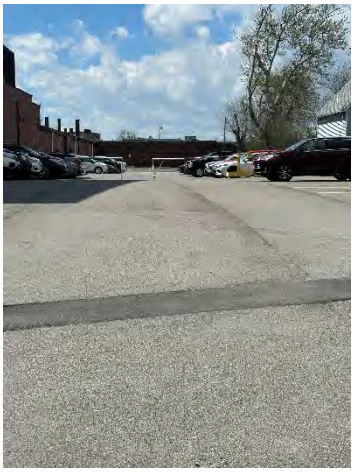
			
7.	4/15/24 - View of the cover in Area B looking east.	8.	4/15/24 - View of the cover in Area B looking south.
			
9.	4/15/24 - Typical View of the Area C cover facing northeast.	10.	4/15/24 - View of epoxied cracks in Area C around VMP-4C facing northwest.
			
11.	4/15/24 - View of epoxied cracks in Area C and cogenerator.	12.	4/15/24 - View of the Stormwater retention area in the Nardin Athletic Field property facing southeast.

13.	4/15/24 - View of the cover in the southeast corner of the Nardin Athletic Field property.

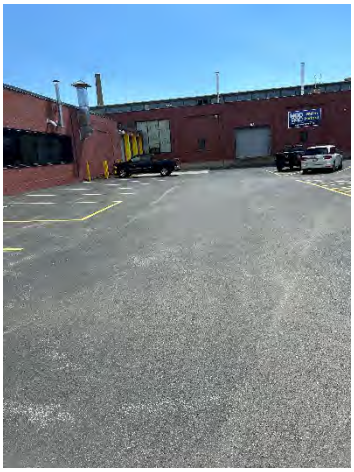
14.	4/15/24 - View of the northeast corner of the turf of the Nardin Athletic Field facing southwest.

15.	4/15/24 - View of the north central portion of the the turf of the Nardin Athletic Field facing south.

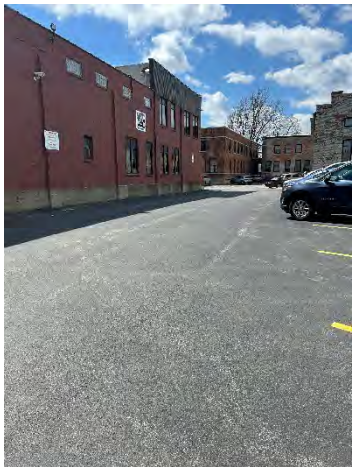
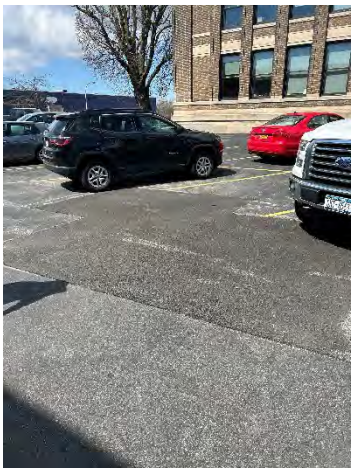
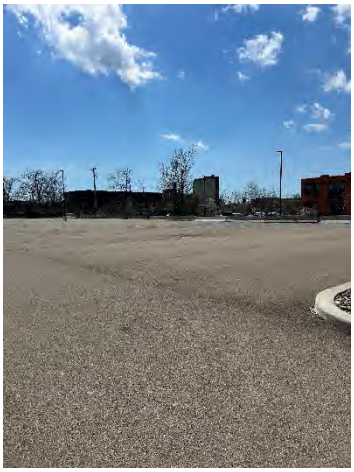
16.	4/15/24 - View of the cover to the east of the Nardin Athletic Field turf. Some fabric exposed.

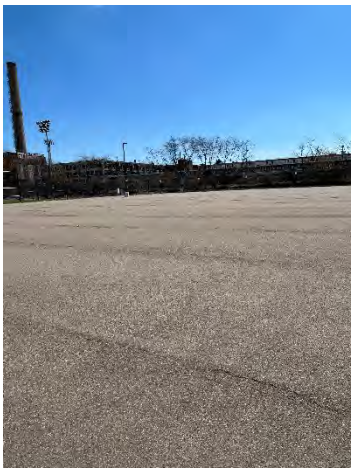


17.	4/15/24 - View of the cover along the northern BCP Boundary line.



18.	4/15/24 - View of the cover in the northwestern area of the site facing east.

			
19.	4/15/24 - View of the cover in the western area of the site facing east.	20.	4/15/24 - View of the cover in the western portion of the site facing south.
			
21.	4/15/24 - View of the repaired cover from the November 2023 the sink hole facing northwest.	22.	4/15/24 - View of the cover on the west side of the property along Elmwood Ave facing south.
			
23.	4/15/24 - View of the cover along the southwest portion of the building facing east.	24.	4/15/24 - View of the cover in the southwest parking lot facing southeast showing cracks with no subbase exposed, sealing recommended.

			
25.	4/15/24 - View of loading dock 15 facing north.	26.	4/15/24 - View of the southwest parking lot facing southeast.
			
27.	4/15/24 - View of the cover in the southeast parking lot north of the Nardin Field facing northeast.	28.	4/15/24 - View of the cover in the southeast parking lot facing west.
			
29.	4/15/24 - View loading dock 8 facing north showing cracks with no exposed subbase, sealing recommended.	30.	4/15/24 - View of the covered slag pile on the south side of the building facing northwest.

			
31.	4/15/24 - View of cover system in area where remedial monitoring wells are located.	32.	4/15/24 – View of cover system within the MOD-PAC facility.
			
33.	4/15/24 - View of cover system within the MOD-PAC facility.	34.	4/15/24 – View of newly installed VMP-5BR and distance from VMP-5B.
			
35.	4/15/24 – View of newly installed VMP-8AR and distance from VMP-8A.	36.	4/15/24 – View of epoxied extraction well trench in Area B.

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) MONTHLY Monitoring

EA Representative: Jason Kryszak Date/Month of Inspection: 04/06/2023

Area A							
Blower (In./WC):	Pre-Carbon Effluent PID (ppm):	Post-Carbon Effluent PID (ppm):		Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
20	0.0	0.0					

Area B							
Blower (In./WC):	System Effluent PID (ppm):			Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
24	0.0						

Area C								
Extraction Well Location	EW-1C	EW-2C	EW-3C		Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other: Fans at EW-1C and EW-2C were not functional. Could not obtain readings.
Extraction wells (In./WC):	NG	NG	28					
Effluent PID (ppm):	NG	NG	0.0					

*Measure VMP ONLY if it was +0.00 or a positive result on the previous Quarterly Report.

Environmental Advantage

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) MONTHLY Monitoring

EA Representative: Collin Snyder Date/Month of Inspection: **17 May 2023**

Area A							
Blower (In./WC):	Pre-Carbon Effluent PID (ppm):	Post-Carbon Effluent PID (ppm):		Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
20	0.0	0.0		VMP - 8A -0.032	VMP - 7A 0.0		

Area B							
Blower (In./WC):	System Effluent PID (ppm):			Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
29	0.0			VMP - 5B 0.0			

Area C							
Extraction Well Location	EW-1C	EW-2C	EW-3C	Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other: Fans at EW-1C and EW-2C were not functional. Could not obtain readings.
Extraction wells (In./WC):	NG	NG	27				
Effluent PID (ppm):	NG	NG	0.0				

*Measure VMP ONLY if it was +0.00 or a positive result on the previous Quarterly Report.

Environmental Advantage

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Quarterly Monitoring

EA Representative: Collin Snyder
Date of Inspection: 06/20/23

Area A

Extraction Well Location	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A
Magnehelic Pressure Gauge Reading (InH_20)	17	18	19	18	18	0	18	19	18	19

Vapor Monitoring Point Location	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
Manometer Reading (InH_20)	-0.083	-0.066	-0.085	-0.118	-0.066	0.000	-0.024	-0.013	-0.133

General Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.3
2. Post-Carbon OVM Reading (ppm): 0.1
3. Blower Gauge Reading in inches of water (InH_20): 20
4. Quarterly pre- and post-carbon Tedlar Bag samples taken (Y/N)? Y

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Area B

Extraction Well Location	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B
Magnehelic Pressure Gauge Reading (InH_20)	31	32	32	33	32	33	32	32

Vapor Monitoring Point Location	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
Manometer Reading (InH_20)	-0.012	-0.045	-0.237	-0.350	0.000	-0.017	-0.207

General Monitoring Checklist:

1. OVM Reading (ppm): 0.0
2. Blower Gauge Reading in inches of water (InH_20): 30

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Leak in front of EW-5B

Area C

Extraction Well Location	EW-1C	EW-2C	EW-3C
Magnehelic Pressure Gauge Reading (InH_20)	0	0	29
OVM Reading (ppm)	0.0	0.0	0.0

Vapor Monitoring Point Location	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
Manometer Reading (InH_20)	0.000	0.000	-0.029	0.000	-0.024	-0.040

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Fans EW-1C and EW-2C were not functional. Could not obtain readings.

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) MONTHLY Monitoring

EA Representative: Collin Snyder Date/Month of Inspection: **05 July 2023**

Area A							
Blower (In./WC):	Pre-Carbon Effluent PID (ppm):	Post-Carbon Effluent PID (ppm):		Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
20	0.0	0.0					

Area B							
Blower (In./WC):	System Effluent PID (ppm):			Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
44	0.0						

Area C							
Extraction Well Location	EW-1C	EW-2C	EW-3C	Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other: Fans at EW-1C and EW-2C were not functional. Could not obtain readings.
Extraction wells (In./WC):	NG	NG	29				
Effluent PID (ppm):	NG	NG	0.0				

*Measure VMP ONLY if it was +0.00 or a positive result on the previous Quarterly Report.

Environmental Advantage

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) MONTHLY Monitoring

EA Representative: Collin Snyder Date/Month of Inspection: **17 August 2023**

Area A							
Blower (In./WC):	Pre-Carbon Effluent PID (ppm):	Post-Carbon Effluent PID (ppm):		Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
21	0.0	0.0					

Area B							
Blower (In./WC):	System Effluent PID (ppm):			Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
40	0.0			VMP- 5B -0.014			

Area C							
Extraction Well Location	EW-1C	EW-2C	EW-3C	Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other: Fans at EW-1C and EW-2C were not functional. Could not obtain readings.
Extraction wells (In./WC):	NG	NG	29				
Effluent PID (ppm):	NG	NG	0.3				

*Measure VMP ONLY if it was +0.00 or a positive result on the previous Quarterly Report.

Environmental Advantage

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Quarterly Monitoring

EA Representative: Collin Snyder
Date of Inspection: 09/13/23

Area A

Extraction Well Location	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A
Magnehelic Pressure Gauge Reading (InH_20)	19	20	20	20	19	0	20	20	20	20

Vapor Monitoring Point Location	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
Manometer Reading (InH_20)	-0.097	-0.079	-0.102	-0.140	-0.083	0.000	-0.037	-0.013	-0.140

General Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.0
2. Post-Carbon OVM Reading (ppm): 0.0
3. Blower Gauge Reading in inches of water (InH_20): 20
4. Quarterly pre- and post-carbon Tedlar Bag samples taken (Y/N)? Y

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Area B

Extraction Well Location	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B
Magnehelic Pressure Gauge Reading (InH_20)	37	33	38	36	37	39	37	38

Vapor Monitoring Point Location	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
Manometer Reading (InH_20)	-0.016	-0.062	-0.433	Covered	-0.011	-0.018	-0.284

General Monitoring Checklist:

1. OVM Reading (ppm): 0.0
2. Blower Gauge Reading in inches of water (InH_20): 34

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Area C

Extraction Well Location	EW-1C	EW-2C	EW-3C
Magnehelic Pressure Gauge Reading (InH_20)	0	0	29
OVM Reading (ppm)	0.0	0.0	0.0

Vapor Monitoring Point Location	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
Manometer Reading (InH_20)	0.000	0.000	-0.030	0.000	-0.019	-0.038

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Blower at EW-1C and EW-2C was not functional. Could not obtain readings.

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) MONTHLY Monitoring

EA Representative: Collin Snyder Date/Month of Inspection: **03 October 2023**

Area A							
Blower (In./WC):	Pre-Carbon Effluent PID (ppm):	Post-Carbon Effluent PID (ppm):		Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
22	0.2	0.3					

Area B							
Blower (In./WC):	System Effluent PID (ppm):			Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
34	0.7			VMP- 4B covered			

Area C							
Extraction Well Location	EW-1C	EW-2C	EW-3C	Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other: Blowers EW-1C and EW-2C were not functional. Could not obtain readings.
Extraction wells (In./WC):	35	38	30	VMP- 1C -0.036	VMP- 2C -0.063	VMP- 4C -0.040	
Effluent PID (ppm):	27.9	6.7	1.0				

*Measure VMP ONLY if it was +0.00 or a positive result on the previous Quarterly Report.

Environmental Advantage

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) MONTHLY Monitoring

EA Representative: Rylee Hooker/Collin Snyder Date/Month of Inspection: 11 November 2023

Area A							
Blower (In./WC):	Pre-Carbon Effluent PID (ppm):	Post-Carbon Effluent PID (ppm):		Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
20	0.1	0.0					

Area B							
Blower (In./WC):	System Effluent PID (ppm):			Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
28	0.0			VMP - 4B -0.087			

Area C							
Extraction Well Location	EW-1C	EW-2C	EW-3C	Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
Extraction wells (In./WC):	33	36	29	VMP - 1C -0.024	VMP - 4C -0.043	VMP - 2C -0.044	
Effluent PID (ppm):	1.1	2.1	0.0	VMP- 3C -0.046	VMP- 11C -0.108	VMP - 10C -0.162	

*Measure VMP ONLY if it was +0.00 or a positive result on the previous Quarterly Report.

Environmental Advantage

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Quarterly Monitoring

EA Representative: Rylee Hooker & Collin Snyder
Date of Inspection: 12/12/2023

Area A

Extraction Well Location	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A
Magnehelic Pressure Gauge Reading (InH_20)	17	18	19	18	19	0	18	20	17	19

Vapor Monitoring Point Location	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
Manometer Reading (InH_20)	-0.066	-0.140	-0.203	-0.271	-0.141	0.000	-0.019	0.000	-0.219

General Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.1
2. Post-Carbon OVM Reading (ppm): 0.0
3. Blower Gauge Reading in inches of water (InH_20): 20 inches
4. Quarterly pre- and post-carbon Tedlar Bag samples taken (Y/N)? Y

General Comments (leaks, defective gauges/fans, positive pressure readings?): VMP-8A was not getting a reading – we took pictures of the surrounding area to see if there is indication of why this may be happening.

Area B

Extraction Well Location	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B
Magnehelic Pressure Gauge Reading (InH_20)	36	37	37	38	37	39	37	37

Vapor Monitoring Point Location	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
Manometer Reading (InH_20)	-0.016	-0.035	-0.089	-0.319	0.000	-0.018	-0.257

General Monitoring Checklist:

1. OVM Reading (ppm): 0.0
2. Blower Gauge Reading in inches of water (InH_20): 31

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Area C

Extraction Well Location	EW-1C	EW-2C	EW-3C
Magnehelic Pressure Gauge Reading (InH_20)	34	37	29
OVM Reading (ppm)	4.7	2.5	0.1

Vapor Monitoring Point Location	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
Manometer Reading (InH_20)	-0.016	-0.046	-0.024	-0.028	-0.063	-0.032

General Comments (leaks, defective gauges/fans, positive pressure readings?):

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) MONTHLY Monitoring

EA Representative: Rylee Hooker/Collin Snyder Date/Month of Inspection: 12 January 2024

Area A							
Blower (In./WC):	Pre-Carbon Effluent PID (ppm):	Post-Carbon Effluent PID (ppm):		Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
21	1.4	0.0		VMP - 6A 0.000	VMP - 8A 0.000		

Area B							
Blower (In./WC):	System Effluent PID (ppm):			Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
44	0.2			VMP - 5B -0.049			

Area C							
Extraction Well Location	EW-1C	EW-2C	EW-3C	Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
Extraction wells (In./WC):	34	35	30				
Effluent PID (ppm):	2.3	1.8	0.4				

*Measure VMP ONLY if it was +0.00 or a positive result on the previous Quarterly Report.

Environmental Advantage

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) MONTHLY Monitoring

EA Representative: Collin Snyder Date/Month of Inspection: **08 February 2024**

Area A							
Blower (In./WC):	Pre-Carbon Effluent PID (ppm):	Post-Carbon Effluent PID (ppm):		Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
21	1.1	0.0			VMP - 8A -0.017		

Area B							
Blower (In./WC):	System Effluent PID (ppm):			Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
45	0.1						

Area C							
Extraction Well Location	EW-1C	EW-2C	EW-3C	Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
Extraction wells (In./WC):	43	46	30				
Effluent PID (ppm):	1.6	1.2	0.2				

*Measure VMP ONLY if it was +0.00 or a positive result on the previous Quarterly Report.

Environmental Advantage

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Quarterly Monitoring

EA Representative: Collin Snyder
Date of Inspection: 03/12/2024

Area A

Extraction Well Location	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A
Magnehelic Pressure Gauge Reading (InH_20)	17	18	19	18	18	0	18	20	19	19

Vapor Monitoring Point Location	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
Manometer Reading (InH_20)	-0.065	-0.045	-0.057	-0.080	-0.039	0.000	-0.023	0.000	-0.084

General Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.3
2. Post-Carbon OVM Reading (ppm): 0.0
3. Blower Gauge Reading in inches of water (InH_20): 21
4. Quarterly pre- and post-carbon Tedlar Bag samples taken (Y/N)? Y

General Comments (leaks, defective gauges/fans, positive pressure readings?): The top of the carbon vessel is leaking air.

Area B

Extraction Well Location	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B
Magnehelic Pressure Gauge Reading (InH_20)	36	37	37	38	37	39	37	32

Vapor Monitoring Point Location	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
Manometer Reading (InH_20)	0.000	-0.001	-0.006	-0.012	0.000	0.000	-0.009

General Monitoring Checklist:

1. OVM Reading (ppm): 0.0
2. Blower Gauge Reading in inches of water (InH_20): 31

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Area C

Extraction Well Location	EW-1C	EW-2C	EW-3C
Magnehelic Pressure Gauge Reading (InH_20)	43	46	31
OVM Reading (ppm)	3.8	2.8	0.5

Vapor Monitoring Point Location	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
Manometer Reading (InH_20)	-0.051	-0.073	-0.028	-0.069	-0.067	-0.025

General Comments (leaks, defective gauges/fans, positive pressure readings?):

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) MONTHLY Monitoring

EA Representative(s): Collin Snyder + Rylee Hooker Date of Inspection: 04/09/2024

Area A							
Blower (In./WC):	Pre-Carbon Effluent PID (ppm):	Post-Carbon Effluent PID (ppm):		Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
22	0.6	0.0		VMP- 6A 0.000	VMP – 8A 0.000	VMP - 7A -0.030	

Area B							
Blower (In./WC):	System Effluent PID (ppm):			Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
32	0.0			VMP - 1B 0.000	VMP - 5B 0.000	VMP - 6B -0.016	

Area C							
Extraction Well Location	EW-1C	EW-2C	EW-3C	Vapor Monitoring Points (in./WC):			Notes/Issues/Updates/Other:
Extraction wells (In./WC):	44	46	30				
Effluent PID (ppm):	0.4	0.0	0.0				

*Measure VMP ONLY if it was +0.00 or a positive result on the previous Quarterly Report.

Environmental Advantage

Well Data Sheet

Date: 5/17/23
Job #: 01304
Well ID: SB116/MW3
Crew: CS/SM
Well Depth (TOR): 15.0
Well Depth (GS): 15.6
Initial Water Level (TOR): 5.80
Initial Water Level (GS): 5.40

Volume Calculation:
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date:
Time:
Crew:
Method:
Sample ID:
Water Quality:
pH:
Conductivity:
Temperature:
Turbidity:

Volume:
Analysis:
Chain of Custody #:
Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID HeadSpace 0.0
No Sampling - Monthly MW gauging

TOR= Top of Riser
GS= Ground Surface

Signature: Calli Snyder

Well Data Sheet

Date: 5/17/23
Job #: 01304
Well ID: SB172-MW-11
Crew: CS+SM
Well Depth (TOR): 15.05
Well Depth (GS): 15.88
Initial Water Level (TOR): 5.60
Initial Water Level (GS): 6.43

Volume Calculation:
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date:
Time:
Crew:
Method:
Sample ID:
Water Quality:
pH:
Conductivity:
Temperature:
Turbidity:

Volume:
Analysis:
Chain of Custody #:
Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space 0.0ppm
NO Sampling Monthly MW gauging.

TOR= Top of Riser
GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 5/17/23
Job #: 01304
Well ID: MW-12
Crew: CS/SM
Well Depth (TOR): 14.7
Well Depth (GS): 15.2
Initial Water Level (TOR): 4.69
Initial Water Level (GS): 5.19

Volume Calculation:
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date:
Time:
Crew:
Method:
Sample ID:
Water Quality:
pH:
Conductivity:
Temperature:
Turbidity:

Volume:
Analysis:
Chain of Custody #:
Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space: 0.0 ppm
No Sampling Monthly MW gaging.

TOR= Top of Riser
GS= Ground Surface

Signature: Colli Snyder

Well Data Sheet

Date: 5/17/23 Job #: 01304

Well ID: SB173/mw-13

Crew: CS+SM

Well Depth (TOR): 14.23

Well Depth (GS): 14.93

Initial Water Level (TOR): 4.01

Initial Water Level (GS): 4.71

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space : 0.0ppm
No Sampling - Monthly MW gauging

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 5/17/23

Job #: 01304

Well ID: MW-14

Crew: CS+SM

Well Depth (TOR): 9.7

Well Depth (GS): 10.16

Initial Water Level (TOR): 5.53

Initial Water Level (GS): 5.99

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space 0.0 PPM
No Sampling - monthly MW gaging

TOR= Top of Riser

GS= Ground Surface

Signature: Colli Smeyers

Well Data Sheet

Date: 5/17/23

Job #: 01304

Well ID: MW-15

Crew: CS+SM

Well Depth (TOR): 10.42

Well Depth (GS): 10.72

Initial Water Level (TOR): 5.20

Initial Water Level (GS): 5.50

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space 0.0 PPM

No Sampling - Monthly MW gauging.

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 6/20/23 Job #: 01304

Well ID: MW-3

Crew: CS

Well Depth (TOR): 15.0

Well Depth (GS): 15.6

Initial Water Level (TOR): 7.18

Initial Water Level (GS):

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space 0.9
NO Sampling Monthly MW Gauging

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Smyder

Well Data Sheet

Date: 6/20/23 Job #: 01304

Well ID: MW-11

Crew: CS

Well Depth (TOR): 5.94

Well Depth (GS):

Initial Water Level (TOR):

Initial Water Level (GS):

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space 0.5
NO Sampling Monthly MW Gauging

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 6/20/23 Job #: 01304

Well ID: MW-12

Crew: CS

Well Depth (TOR): 14.7

Well Depth (GS): 15.2

Initial Water Level (TOR): 5.20

Initial Water Level (GS):

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space 0.0
NO Sampling Monthly MW Gauging

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 6/20/23 Job #: 01304

Well ID: MW-13

Crew: CS

Well Depth (TOR): 14.23

Well Depth (GS): 14.93

Initial Water Level (TOR): 5.50

Initial Water Level (GS):

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space
NO Sampling Monthly MW Gauging

TOR= Top of Riser

GS= Ground Surface

Signature: Callin Sneyder

Well Data Sheet

Date: 6/20/23 Job #: 01304

Well ID: MW-14

Crew: CS

Well Depth (TOR): 9.7

Well Depth (GS): 10.16

Initial Water Level (TOR): 6.87

Initial Water Level (GS):

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space 1.0
NO Sampling Monthly MW Gauging

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 6/20/23 Job #: 01304

Well ID: MW-15

Crew: CS

Well Depth (TOR): 10.42

Well Depth (GS): 10.72

Initial Water Level (TOR): 5.52

Initial Water Level (GS):

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space 00
NO Sampling Monthly MW Gauging

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 07/25/23 Job #: 01304

Well ID: MW-3

Crew: CS, SM

Well Depth (TOR):

Well Depth (GS):

Initial Water Level (TOR):

Initial Water Level (GS):

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: MW-3 inaccessible, Roll-off can ~~not~~ used Covering Sampling well

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: 07/25/23 Job #: 01304

Well ID: SB172/MW-11

Crew: CS, SM

Well Depth (TOR): 15.05

Well Depth (GS): 15.88

Initial Water Level (TOR): 5.60

Initial Water Level (GS): 6.43

Volume Calculation: 15.05 - 5.60 · (0.041) = .38745

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
10:10	.5G	7.07	2.98	23.15	2.3
11 16	1	7.08	3.29	22.21	1.1
11:27	1.5G	7.25	3.35	21.51	2.8

Purge Method: Bailer/Submersible Pump

Initial Water Quality Good

Final Water Quality

SAMPLE RECORD

Date: 07/25/23

Time: 11:25

Crew: CS SM

Method: Low flow

Sample ID: MW-11 07 25 23

Water Quality: Good

pH: 7.25

Conductivity: 3.35

Temperature: 21.51

Turbidity: 2.8

Volume: See Chain

Analysis: See Chain

Chain of Custody #: —

Sample Type: Grab

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: Headspace: 4.3 PPM
Collected duplicate sample

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Smyth

Well Data Sheet

Date: 07/25/23 Job #: 01304

Well ID: MW-12

Crew: CS, SM

Well Depth (TOR): 14.7

Well Depth (GS): 15.2

Initial Water Level (TOR): 4.71

Initial Water Level (GS): 5.21

Volume Calculation: (14.7 - 4.71) · .041 = 0.40959

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
10:07	.25G	6.35	1.22	23.71	54.8
10:14	.75G	6.34	.861	23.32	5.2
10:25	1.4G	6.45	.789	23.49	0.0

Purge Method: Bailer/Submersible Pump

Initial Water Quality Good

Final Water Quality Good

SAMPLE RECORD

Date: 07/25/23

Time: 10:26

Crew: CS SM

Method: Low flow

Sample ID: MW-12 (072523)

Water Quality: Good

pH: 6.45

Conductivity: .789

Temperature: 23.49

Turbidity: 0.0

Volume: See Chain

Analysis: See chain

Chain of Custody #: —

Sample Type: Grab

Diameter	Multiply by
(1")	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: Head Space: 6.0 PPM
Collected ms + msd Samples

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Smeyla

Well Data Sheet

Date: 07/25/23 Job #: 01304

Well ID: SB 173 / MW-13

Crew: CS, SM

Well Depth (TOR): 14.23

Well Depth (GS): 14.93

Initial Water Level (TOR): 3.98

Initial Water Level (GS): 4.68

Volume Calculation: (14.23 - 3.98) · 0.041 = .42025

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
0910	.3G	7.22	~~3.712~~	24.27	5.8
0916	1G	7.11	.528	24.64	0.0
0922	1.5G	6.96	.512	24.85	0.0

Purge Method: Bailer / Submersible Pump

Initial Water Quality fair

Final Water Quality Good

SAMPLE RECORD

Date: 07/25/23

Time: 0922

Crew: CS SM

Method: Low flow

Sample ID: MW-13 (072523)

Water Quality: Good

pH: 6.96

Conductivity: .512

Temperature: 24.85

Turbidity: 0.0

Volume: See Chain

Analysis: See chain

Chain of Custody #: —

Sample Type: Grab

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: Headspace: 268 PPM

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Sneyder

Well Data Sheet

Date: 07/25/23
Job #: 01304
Well ID: MW-14
Crew: CS, SM
Well Depth (TOR): 9.7
Well Depth (GS): 10.16
Initial Water Level (TOR): 6.50
Initial Water Level (GS): 6.96

Volume Calculation:
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date: 07/25/23
Time:
Crew: CS SM
Method: Low flow
Sample ID:
Water Quality:
pH:
Conductivity:
Temperature:
Turbidity:

Volume: See Chain
Analysis: See Chain
Chain of Custody #: —
Sample Type: Grab

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: Head Space: 25.6 PPM
No Sample

TOR= Top of Riser
GS= Ground Surface

Signature: Calli Snyder

Well Data Sheet

Date: 07/25/23 Job #: 01304

Well ID: MW-15

Crew: CS, SM

Well Depth (TOR): 10.42

Well Depth (GS): 10.72

Initial Water Level (TOR): 5.21

Initial Water Level (GS): 5.5

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: 07/25/23

Time:

Crew: CS SM

Method: Low flow

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: —

Sample Type: Grab

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HeadSpace: 14.8 PPM
No Sample

TOR= Top of Riser

GS= Ground Surface

Signature: Callie Snyder

Well Data Sheet

Date: 08/17/23 Job #: 01304

Well ID: MW-3

Crew: CS

Well Depth (TOR): 150

Well Depth (GS): 156

Initial Water Level (TOR): 5.95

Initial Water Level (GS): 6.55

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space 2.8
No Sampling monthly MW gauging

TOR= Top of Riser

GS= Ground Surface

Signature: Callie Snyder

Well Data Sheet

Date: 08/17/23 Job #: 01304

Well ID: MW-11

Crew: CS

Well Depth (TOR): 15.05

Well Depth (GS): 15.88

Initial Water Level (TOR): ~~5.71~~ 5.74

Initial Water Level (GS): 6.57

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space 0.0

No Sampling monthly MW gauging

TOR= Top of Riser

GS= Ground Surface

Signature: Calli Snyder

Well Data Sheet

Date: 08/17/23 Job #: 01304

Well ID: MW-12

Crew: CS

Well Depth (TOR): 14.7

Well Depth (GS): 15.2

Initial Water Level (TOR): 9.99

Initial Water Level (GS): 5.44

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space 0.0

No Sampling monthly MW gauging

TOR= Top of Riser

GS= Ground Surface

Signature: Calli Snyder

Well Data Sheet

Date: 08/17/23 Job #: 01309

Well ID: MW-13

Crew: CS

Well Depth (TOR): 14.23

Well Depth (GS): 14.93

Initial Water Level (TOR): 9.20

Initial Water Level (GS): 4.90

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space 0.0

No Sampling monthly MW gauging

TOR= Top of Riser

GS= Ground Surface

Signature: Callie Simpson

Well Data Sheet

Date: 08/17/23 Job #: 01309

Well ID: MW-14

Crew: CS

Well Depth (TOR): 9.7

Well Depth (GS): 10.16

Initial Water Level (TOR): 6.78

Initial Water Level (GS): 7.24

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space 0.1
No Sampling monthly MW gauging

TOR= Top of Riser

GS= Ground Surface

Signature: Calli Snyder

Well Data Sheet

Date: 08/17/23 Job #: 01309

Well ID: MW-15

Crew: CS

Well Depth (TOR): 10.42

Well Depth (GS): 10.72

Initial Water Level (TOR): 5.34

Initial Water Level (GS): 5.64

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Head Space 0.0

No Sampling monthly MW gauging

TOR= Top of Riser

GS= Ground Surface

Signature: Calla Snyder

Well Data Sheet

Date: 10/03/23
Job #: 01304
Well ID: SB17.6 / MW3
Crew: CS and RH
Well Depth (TOR): 15
Well Depth (GS): 13.6
Initial Water Level (TOR): 6.30
Initial Water Level (GS): 6.90

Volume Calculation: (15.0 - 6.30)(.163) = 1.42 gal
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
11:58	1 gal	7.24	1.13	24.43°C	5.8
12:13	2 gal	7.30	1.12	24.39	0.0
12:23	3 gal	7.40	1.12	24.36°C	1.8
12:33	4 gal	7.43	1.10	24.54	1.9
12:43	5 gal	7.44	1.10	24.91	0.0

Purge Method: Bailer/Submersible Pump
Initial Water Quality fair
Final Water Quality

SAMPLE RECORD

Date: 10/03/23
Time: 12:43
Crew: CS + RH
Method: Low flow
Sample ID: MW-3 (100323)
Water Quality: good
pH: 7.44
Conductivity: 1.10
Temperature: 24.91°C
Turbidity: 0.0

Volume: see chain
Analysis: 11
Chain of Custody #: —
Sample Type: 6 RAB

Diameter	Multiply by
1"	0.041
(2")	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: Caps broken
1.6 PID headspace

TOR= Top of Riser
GS= Ground Surface

Signature:

Well Data Sheet

Date: 10/03/2023 Job #: 01304

Well ID: MW-11

Crew: CS and RH

Well Depth (TOR): 15.05

Well Depth (GS): 15.88

Initial Water Level (TOR): 6.05

Initial Water Level (GS): 6.88

Volume Calculation: (15.05 - 6.05)(.041) = .37 gal

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
13:01	1/4	7.09	2.91	24.57°C	7.5
13:05	1/2	7.31	3.18	23.90°C	6.1
13:09	3/4	7.36	3.44	24.80°C	2.09
13:12	1	7.24	3.27	24.49	2.92

Purge Method: Bailer/(Submersible)Pump

Initial Water Quality good

Final Water Quality

SAMPLE RECORD

Date: 10/03/2023

Time: 13:17

Crew: RH and CS

Method: low flow

Sample ID: MW(1(100323) + DUP

Water Quality: poor

pH: 7.24

Conductivity: 3.27

Temperature: 24.49

Turbidity: 2.92

Volume: 5ec chain

Analysis: "

Chain of Custody #: —

Sample Type: GRAB

Diameter	Multiply by
(1")	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: 1.8 PID readings

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: 10/03/2023 Job #: 01304

Well ID: MW-12

Crew: CS + RH

Well Depth (TOR): 9.7

Well Depth (GS): 10.16

Initial Water Level (TOR): 5.39

Initial Water Level (GS): 5.85

Volume Calculation: (9.7 - 5.39)(.041) = .18

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
11:05	1/4	7.18	1.16	23.95°C	88.6
11:09	1/2	7.22	.945	23.95°C	1.53
11.15	3/4	7.08	.900	23.89°C	72.6

Purge Method: Bailer/Submersible Pump

Initial Water Quality poor

Final Water Quality

SAMPLE RECORD

Date: 10/03/23

Time: 11.15

Crew: RH + CS

Method: low flow

Sample ID: MW-12 (100323)

Water Quality: fair

pH: 7.08

Conductivity: .900

Temperature: 23.89°C

Turbidity: 72.6

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: 0.0 PID headspace

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: 10/03/2023 Job #: 01304

Well ID: MW-13

Crew: CS + RH

Well Depth (TOR): 14.23

Well Depth (GS): 14.93

Initial Water Level (TOR): 6.70

Initial Water Level (GS): 7.53

Volume Calculation: (14.23 - 6.70)(.041) = .31

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
10:10	1/4	7.09	1.07	24.12°C	117
10:13	1/2	7.26	.571	24.27°C	28.7
10:17	3/4	7.39	.493	24.41°C	6.8
10:21	1	7.45	.468	24.50°C	1.5

Purge Method: Bailer/(Submersible) Pump

Initial Water Quality Poor

Final Water Quality Fair

SAMPLE RECORD

Date: 10/03/23

Time: 10:27

Crew: CS and RH

Method: low flow

Sample ID: MW-13 (100323)

Water Quality: Fair

pH: 7.37

Conductivity: .498

Temperature: 24.82

Turbidity: 16.3

Volume: SEE CHAIN

Analysis: "

Chain of Custody #: —

Sample Type: GRAB

Diameter	Multiply by
(1")	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: .01 PID

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: 10/03/23
Job #: 01304
Well ID: MW-14
Crew: CS and RH
Well Depth (TOR): 14.7
Well Depth (GS): 15.2
Initial Water Level (TOR): 6.97
Initial Water Level (GS): 7.47

Volume Calculation: (14.7 - 6.97)(.041) = .32
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date: 10/03/23
Time:
Crew: CS + RH
Method: low flow
Sample ID: MW-12/04/0623 + MS + MSD
Water Quality:
pH:
Conductivity:
Temperature:
Turbidity:

Volume: SEE CHAIN
Analysis: "
Chain of Custody #: –
Sample Type: GRAB

Diameter	Multiply by
(1")	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID headspace 0.0
well gauged, no sampling

TOR= Top of Riser
GS= Ground Surface

Signature:

Well Data Sheet

Date: 10/03/2023 Job #: 01304

Well ID: MW-15

Crew: CS + RH

Well Depth (TOR): 10.42

Well Depth (GS): 10.72

Initial Water Level (TOR): 5.64

Initial Water Level (GS): 5.94

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: 0.0 PID headspace

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: 01/12/24 Job #: 013011

Well ID: SB2 16/ MW-3

Crew: RH CS

Well Depth (TOR): 15.0

Well Depth (GS): 15.6

Initial Water Level (TOR): 5.28

Initial Water Level (GS): 5.88

Volume Calculation: (15.0 - 5.28) x 0.163 = 1.584 (1.584 x 3 = 4.753)

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
9:45	1 gal	7.45	1.58	14.59	27.70
10:06	3 gal	7.31	1.40	14.53	1.2
10:34	5 gal	7.30	1.32	14.76	0.0

Purge Method: Bailer/Submersible Pump

Initial Water Quality poor

Final Water Quality good

SAMPLE RECORD

Date: 01/12/24

Time: 10:34

Crew: RH, CS

Method: low flow

Sample ID: MW-3

Water Quality: good

pH: 7.30

Conductivity: 1.32

Temperature: 14.76

Turbidity: 0.0

Volume: see chain

Analysis: "

Chain of Custody #: -

Sample Type: Grab

Diameter	Multiply by
1"	0.041
(2")	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: headspace PID - 3 4 PPM

TOR= Top of Riser

GS= Ground Surface

Signature: Rylee Hooker

Well Data Sheet

Date: 01/12/24 Job #: 013014

Well ID: MW-11

Crew: RH CS

Well Depth (TOR): 15.05

Well Depth (GS): 15.88

Initial Water Level (TOR): 5.34

Initial Water Level (GS): 6.17

Volume Calculation: (15.05 - 5.34) x 0.041 = .39811

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
10.54	.5 gal	7.39	2.51	12.73	29.2
11:04	.75 gal	7.37	2.39	12.97	55.56
11.14	1 gal	7.18	2.62	13.65	18.4

Purge Method: Bailer/Submersible Pump

Initial Water Quality good

Final Water Quality good

SAMPLE RECORD

Date: 01/12/24

Time: 11:14

Crew: RH, CS

Method: low flow

Sample ID: MW-11

Water Quality: good

pH: 7.18

Conductivity: 2.62

Temperature: 13.65

Turbidity: 18.4

Volume: see chain

Analysis: "

Chain of Custody #: -

Sample Type: Grab

Diameter	Multiply by
(1")	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: headspace PID - 0.7 PPM

TOR= Top of Riser

GS= Ground Surface

Signature: Rylee Hooker

MS and MSD

Well Data Sheet

Date: 01/12/24 Job #: 01304

Well ID: MW-12

Crew: RH CS

Well Depth (TOR): 14.7

Well Depth (GS): 15.2

Initial Water Level (TOR): 4.14

Initial Water Level (GS): 4.64

Volume Calculation: (14.7 - 4.14) x 0.041 = 0.4329

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
11:50	1 gal	7.29	1.35	13.08	4.5
11:57	1.5 gal	7.28	1.37	13.12	0.0
12:04	2 gal	7.29	1.37	13.13	0.0

Purge Method: Bailer/Submersible Pump

Initial Water Quality good

Final Water Quality good

SAMPLE RECORD

Date: 01/12/24

Time: 12:04

Crew: RH CS

Method: low flow

Sample ID: MW-12

Water Quality: good

pH: 7.29

Conductivity: 1.37

Temperature: 13.13

Turbidity: 0.0

Volume: see chain

Analysis: "

Chain of Custody #: -

Sample Type: Grab

Diameter	Multiply by
(1")	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: headspace PID - 0.0

TOR= Top of Riser

GS= Ground Surface

Signature: Ryleu Hooker

Well Data Sheet

Date: 01/12/24 Job #: 01304

Well ID: MW-13

Crew: RH, CS

Well Depth (TOR): 14.23

Well Depth (GS): 14.93

Initial Water Level (TOR): 3.11

Initial Water Level (GS): 3.81

Volume Calculation: (14.23 - 3.11) × 0.041 = .4559

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
12:35	1 gal	7.56	1.03	10.73	18.34
12:44	1.5 gal	7.67	1.08	10.63	6.2
12:52	2 gal	7.11	1.13	10.54	5.3

Purge Method: Bailer/Submersible Pump

Initial Water Quality fair

Final Water Quality good

SAMPLE RECORD

Date: 01/12/24

Time: 12:52

Crew: RH CS

Method: low flow

Sample ID: MW-13

Water Quality: good

pH: 7.11

Conductivity: 1.13

Temperature: 10.54

Turbidity: 5.3

Volume: see chain

Analysis: "

Chain of Custody #: –

Sample Type: Grab

Diameter	Multiply by
(1")	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: headspace PID - 0.0

TOR= Top of Riser

GS= Ground Surface

Signature: Rylee Hooker

Well Data Sheet

Date: 01/12/24
Job #: 01304
Well ID: MW-14
Crew: RH CS
Well Depth (TOR): 9.7
Well Depth (GS): 10.16
Initial Water Level (TOR): 6.25
Initial Water Level (GS): 6.71

Volume Calculation: NO SAMPLE
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date: 01/12/24
Time:
Crew:
Method:
Sample ID:
Water Quality:
pH:
Conductivity:
Temperature:
Turbidity:

Volume:
Analysis:
Chain of Custody #:
Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: headspace PID - 0.0

TOR= Top of Riser
GS= Ground Surface

Signature: Ryan Hooker

Well Data Sheet

Date: 01/12/24
Job #: 01304
Well ID: MW-15
Crew: RH, CS
Well Depth (TOR): 10.92
Well Depth (GS): 10.72
Initial Water Level (TOR): 5.05
Initial Water Level (GS): 5.25

Volume Calculation: NO SAMPLE
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date: 01/12/24
Time:
Crew:
Method:
Sample ID:
Water Quality:
pH:
Conductivity:
Temperature:
Turbidity:

Volume:
Analysis:
Chain of Custody #:
Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: headspace PID - 0.0

TOR= Top of Riser
GS= Ground Surface

Signature: Ryler Hooker

Well Data Sheet

Date: 4/9/24 Job #: 01304

Well ID: SB116/MW-3

Crew: RH, CS

Well Depth (TOR): 15.0

Well Depth (GS): 15.6

Initial Water Level (TOR): 5.62

Initial Water Level (GS): 6.22

Volume Calculation: (15.0 - 5.62) x 0.163 = 1.53

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
10:37	2	6.32	1.36	15.13	13.1
10:46	3	6.37	1.31	15.69	9.1
10:57	4	6.38	1.27	15.86	0.0
11:08	5	6.41	1.26	16.03	0.0

Purge Method: Bailer/Submersible Pump

Initial Water Quality fair

Final Water Quality good

SAMPLE RECORD

Date: 4/9/24

Time: 11:08

Crew: RH, CS

Method: low flow

Sample ID: MW-3

Water Quality: good

pH: 6.41

Conductivity: 1.26

Temperature: 16.03

Turbidity: 0.0

Volume: See Chain

Analysis: "

Chain of Custody #: —

Sample Type: Grab

Diameter	Multiply by
1"	0.041
(2")	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Headspace = 2.1

TOR= Top of Riser

GS= Ground Surface

Signature: Ryan Hooker

Well Data Sheet

Date: 4/9/24
Job #: 01304
Well ID: MW-11
Crew: RH, CS
Well Depth (TOR): 15.05
Well Depth (GS): 15.88
Initial Water Level (TOR): 5.58
Initial Water Level (GS): 6.41

Volume Calculation: (15.05 - 5.58) x 0.041 = 0.388
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
11:50	0.5	6.40	2.67	19.57	196
11:56	1	6.48	3.32	19.06	774
12:02	1.5	6.66	2.46	19.56	23.3
12:16	2	6.70	2.23	18.29	14.4

Purge Method: Bailer/Submersible Pump
Initial Water Quality poor
Final Water Quality good

SAMPLE RECORD

Date: 4/9/24
Time: 12:15
Crew: RH, CS
Method: low flow
Sample ID: MW-11
Water Quality: good
pH: 6.70
Conductivity: 2.23
Temperature: 18.29
Turbidity: 14.4

Volume: See chain
Analysis: "
Chain of Custody #: —
Sample Type: Grab

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Headspace = 0.8

TOR= Top of Riser
GS= Ground Surface

Signature: Ryan Hooker

Well Data Sheet

Date: 04/09/24 Job #: 01304

Well ID: MW-12

Crew: RH, CS

Well Depth (TOR): 14.7

Well Depth (GS): 15.2

Initial Water Level (TOR): 4.41

Initial Water Level (GS): 4.91

Volume Calculation: (14.7 - 4.41) x 0.041 = .4218

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
1:40	0.5	6.57	1.08	21.86	20.8
1:51	1	6.609	1.17	20.57	0.0
1:59	1.5	6.75	1.22	20.27	0.0

Purge Method: Bailer/Submersible Pump

Initial Water Quality: fair

Final Water Quality: good

SAMPLE RECORD

Date: 4/9/24

Time: 13:59

Crew: RH, CS

Method: low flow

Sample ID: MW-12

Water Quality: good

pH: 6.76 U

Conductivity: 1.22

Temperature: 20.27

Turbidity: 0.0

Volume: See chain

Analysis: "

Chain of Custody #: —

Sample Type: Grab

Diameter	Multiply by
(1")	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: Headspace PID = 0.0

TOR= Top of Riser

GS= Ground Surface

Signature: Ryan Hoobler

Well Data Sheet

Date: 4/9/24
Job #: 01304
Well ID: MW-13
Crew: RH, CS
Well Depth (TOR): 14.23
Well Depth (GS): 14.93
Initial Water Level (TOR): 3.66
Initial Water Level (GS): 4.36

Volume Calculation: (14.23 - 3.66) × 0.041 = .433
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
2:30	.5	7.28	1.11	13.77	0.0
2:38	1	7.34	1.07	13.84	0.0
2:46	1.5	7.38	0.985	15.76	0.0

Purge Method: Bailer/~~Submersible Pump~~
Initial Water Quality good
Final Water Quality good

SAMPLE RECORD

Date: 4/9/24
Time: 14:46
Crew: RH, CS
Method: low flow
Sample ID: MW-13
Water Quality: good
pH: 7.38
Conductivity: 0.985
Temperature: 15.76
Turbidity: 0.0

Volume: See chain
Analysis: 11
Chain of Custody #: —
Sample Type: Grab

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Headspace - 0.0

TOR= Top of Riser
GS= Ground Surface

Signature: Ryan Hooker

Well Data Sheet

Date: 04/09/24 Job #: 01304

Well ID: MW-14

Crew: RH, CS

Well Depth (TOR): 9.7

Well Depth (GS): 10.16

Initial Water Level (TOR): 0.46

Initial Water Level (GS): 0.91

Volume Calculation: NO SAMPLE

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Headspace - 0.0

TOR= Top of Riser

GS= Ground Surface

Signature: Ryan Hooker

Well Data Sheet

Date: 4/9/24 Job #: 01304

Well ID: MW-15

Crew: RH, CS

Well Depth (TOR): 10.92

Well Depth (GS): 10.72

Initial Water Level (TOR): 5.13

Initial Water Level (GS): 4.93

Volume Calculation: NO SAMPLE

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID Headspace - 0.0

TOR= Top of Riser

GS= Ground Surface

Signature: Ryder Hooker

Soil Vapor Intrusion - Structure Sampling Building Questionnaire **Structure ID :** _____

Site No.: C915314 **Site Name :** MOD-PAC, CORP.

Date: 12/27/2023 **Time:** _____

Structure Address : 1801 Elmwood ave, Buffalo, NY

Preparer's Name & Affiliation : Rylee Hooker - Environmental Advantage, Inc.

Residential ? ☐ Yes ☒ No **Owner Occupied ?** ☒ Yes ☐ No **Owner Interviewed ?** ☐ Yes ☒ No

Commercial ? ☒ Yes ☐ No **Industrial ?** ☒ Yes ☐ No **Mixed Uses ?** ☐ Yes ☒ No

Identify all non-residential use(s) : manufacturing of folding paper cartons

Owner Name : MOD-PAC, CORP. **Owner Phone :** ( ) _____ - _____

Secondary Owner Phone : ( ) _____ - _____

Owner Address (if different) : _____

Occupant Name : _____ **Occupant Phone :** ( ) _____ - _____

Secondary Occupant Phone : ( ) _____ - _____

Number & Age of All Persons Residing at this Location : NONE

Additional Owner/Occupant Information : N/A

Describe Structure (style, number floors, size) : commercial/industrial use space, 1-3 stories, brick & metal clad exterior, ~ 500,000 ft², flat roof

Approximate **Year Built :** ~ 1900 Is the building **Insulated?** ☒ Yes ☐ No

Lowest level : ☒ Slab-on-grade ☐ Basement ☐ Crawlspace

Describe Lowest Level (finishing, use, time spent in space) : commercial/industrial, manufacturing of folding cartons, printing, warehousing

Floor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed : _____

Floor Condition : ☐ Good (few or no cracks) ☒ Average (some cracks) ☐ Poor (broken concrete or dirt)

Sumps/Drains? ☐ Yes ☒ No Describe : _____

Identify other floor penetrations & details : none

Wall Construction : ☒ Concrete Block ☐ Poured Concrete ☐ Laid-Up Stone

Identify any wall penetrations : wall vents and windows

Identify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : None.

Heating Fuel : ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other : _____

Heating System : ☒ Forced Air ☐ Hot Water ☐ Other : _____

Hot Water System : ☒ Combustion ☐ Electric ☐ Boilermate ☐ Other: _____

Clothes Dryer : ☐ Electric ☐ Gas Where is dryer **vented** to? N/A

If combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.) : ceiling (roof top HVAC) several non vent natural gas heaters

Fans & Vents (identify where fans/vents pull air from and where they vent/exhaust to) : warehouse area vents on the north and south walls (pushes interior air to outside)

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

industrial printing, janitorial cleaners, workshop

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☒ No

New carpet or furniture ? ☐ Yes ☒ No What/Where ? _____

Recent **painting** or **staining** ? ☐ Yes ☒ No Where ? : _____

Any **solvent** or **chemical-like** odors ? ☒ Yes ☐ No Describe : occasional chemical odor from printing process

Last time **Dry Cleaned** fabrics brought in ? N/A What / Where ? N/A

Do any building occupants use solvents at work ? ☒ Yes ☐ No Describe : to clean printing presses

Any testing for Radon ? ☐ Yes ☒ No Results : _____

Radon System/Soil Vapor Intrusion Mitigation System present ? ☒ Yes ☐ No If yes, describe below

Lowest Building Level Layout Sketch

See Attached Figure

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or **F**	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	**xxxxxxx**	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	**######**	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab vapor samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Structure Sampling - Product Inventory

Homeowner Name & Address: MOD-PAC, Corporation Date: 12/27/2023

Samplers & Company: Rylee Hooker, Collin Snyder; Environmental Advan. Structure ID: _____

Site Number & Name: MOD-PAC, Corporation Phone Number: _____

Make & Model of PID: Mini Rae 3000 Date of PID Calibration: _____

Identify any Changes from Original Building Questionnaire : _____

Product Name/Description	Quantity	Chemical Ingredients	PID Reading	Location
Rust-oleum V7400	x5	titanium dioxide, ethylbenzene, xylenes, 1-chloro-4-benzene	138.6	received items shelf
Rust-oleum floor topcoat	2	titanium dioxide, ethylbenzene, xylenes,	3.9	received items shelf
Cleaning products - fabuloso	3 empty bottles	sodium dodecyle benzene sulfonate	0.0	across from received items shelf

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: MOD-PAC Corp Project No.: 013044

Site Name & Address: MOD-PAC Corp 1801 Flamwood ave. Buffalo, NY 14207

Person(s) Performing Sampling: Rylee Hooker & Collin Snyder

Sample Identification: IA-4

Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 12/27/23 Setup Time: 9:19 Stop Time: 3:22

Sample Depth: N/A

Sample Height: 4.5 ft

Sampling Method(s) & Device(s): 2.7L Summa Canister

Purge Volume: 360 mL

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 L Summa

Canister # 471 Regulator # 02131

Vacuum Pressure of Canister Prior to Sampling: -29.47

Vacuum Pressure of Canister After Sampling: -11.84

Temperature in Sampling Zone: 73° F

Apparent Moisture Content of Sampling Zone: dry

Soil Type in Sampling Zone: N/A

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments:

Sampler's Signature Rylee Hooker Date: 12/27/23

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: MOD-PAC Corp. Project No.: 01304

Site Name & Address: MOD-PAC Corp 1801 Elmwood ave. Buffalo, NY 14207

Person(s) Performing Sampling: Rylee Hooker & Collin Snyder

Sample Identification: IA-4 duplicate

Sample Type: ■ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 12/27/23 Setup Time: 9:21 Stop Time: 3:20

Sample Depth: N/A

Sample Height: 4.5 ft

Sampling Method(s) & Device(s): 2.7L Summa Canister

Purge Volume: 360 mL

Sample Volume: 2.7L

Sampling Canister Type & Size (if applicable): 2.7L Summa

Canister # 504 Regulator # 0647

Vacuum Pressure of Canister Prior to Sampling: -29.67

Vacuum Pressure of Canister After Sampling: -18.38

Temperature in Sampling Zone: 73°F

Apparent Moisture Content of Sampling Zone: dry

Soil Type in Sampling Zone: N/A

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

■ Yes ☐ No. If no, provide reason(s) why?

Laboratory Name: Alpha Analytical

Analysis: To-15

Comments:

Sampler's Signature Rylee Hooker Date: 12/27/23

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Mod-Pac Corp. Project No.: 01304

Site Name & Address: MOD-PAC Corp. 1801 Elmwood Ave Buffalo, NY 14207

Person(s) Performing Sampling: Rylee Hooker & Collin Snyder

Sample Identification: OA-1

Sample Type: ☐ Indoor Air (ambient) ■ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 12/27/23 Setup Time: 9:40 Stop Time: 3:26

Sample Depth: N/A

Sample Height 3 ft 6 in

Sampling Method(s) & Device(s): 2.7 L Summa Canister

Purge Volume: 360 mL

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 L Summa

Canister # 251 Regulator # 01130

Vacuum Pressure of Canister Prior to Sampling: -29.49

Vacuum Pressure of Canister After Sampling: -0.0

Temperature in Sampling Zone: 50.2°F

Apparent Moisture Content of Sampling Zone: 99% humidity

Soil Type in Sampling Zone: N/A

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

■ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments:

Sampler's Signature Rylee Hooker Date: 12/27/23

Soil Vapor Intrusion - Structure Sampling Building Questionnaire **Structure ID :** _____

Site No.: C915314 **Site Name :** Mod-Pac, Corp

Date: 2/25/24 **Time:** 10:00 PM

Structure Address : _____

Preparer's Name & Affiliation : Collin Snyder - Environmental Advantage, Inc.

Residential ? ☐ Yes ☒ No **Owner Occupied ?** ☒ Yes ☐ No **Owner Interviewed ?** ☐ Yes ☒ No

Commercial ? ☒ Yes ☐ No **Industrial ?** ☒ Yes ☐ No **Mixed Uses ?** ☐ Yes ☒ No

Identify all non-residential use(s) : Manufacturing of folding paper cartons

Owner Name : Mod-Pac, Corp. **Owner Phone :** ( ) _____ - _____

Secondary Owner Phone : ( ) _____ - _____

Owner Address (if different) : _____

Occupant Name : _____ **Occupant Phone :** ( ) _____ - _____

Secondary Occupant Phone : ( ) _____ - _____

Number & Age of All Persons Residing at this Location : None

Additional Owner/Occupant Information : N/A

Describe Structure (style, number floors, size) : Commercial/Industrial use space, 1-3 Stories, brick and metal clad exterior ~500,000² ft, flat roof

Approximate **Year Built :** 1900 Is the building **Insulated**? ☐ Yes ☐ No

Lowest level : ☒ Slab-on-grade ☐ Basement ☐ Crawlspace

Describe Lowest Level (finishing, use, time spent in space) : Commercial/industrial use space, Manufacturing of folding cartons, printing, warehousing

Floor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed : _____

Floor Condition : ☐ Good (few or no cracks) ☒ Average (some cracks) ☐ Poor (broken concrete or dirt)

Sumps/Drains? ☐ Yes ☒ No Describe : _____

Identify other floor penetrations & details : none

Wall Construction : ☒ Concrete Block ☐ Poured Concrete ☐ Laid-Up Stone

Identify any wall penetrations : Wall vents and windows

Identify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : none

Heating Fuel : ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other : _____

Heating System : ☒ Forced Air ☐ Hot Water ☐ Other : _____

Hot Water System : ☒ Combustion ☐ Electric ☐ Boilermate ☐ Other: _____

Clothes Dryer : ☐ Electric ☐ Gas Where is dryer **vented** to? N/A

If combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.) : Ceiling (rooftop HVAC) several non vent natural gas heaters

Fans & Vents (identify where fans/vents pull air from and where they vent/exhaust to) : Warehouse area vents on the north and south walls (pushes interior air to outside)

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

Industrial printing, janitorial cleaners, workshop, paint hood.

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☒ No

New carpet or furniture ? ☐ Yes ☒ No What/Where ? _____

Recent **painting** or **staining** ? ☐ Yes ☒ No Where ? : _____

Any **solvent** or **chemical-like** odors ? ☒ Yes ☐ No Describe : Occasional chemical odor from printing process

Last time **Dry Cleaned** fabrics brought in ? N/A What / Where ? N/A

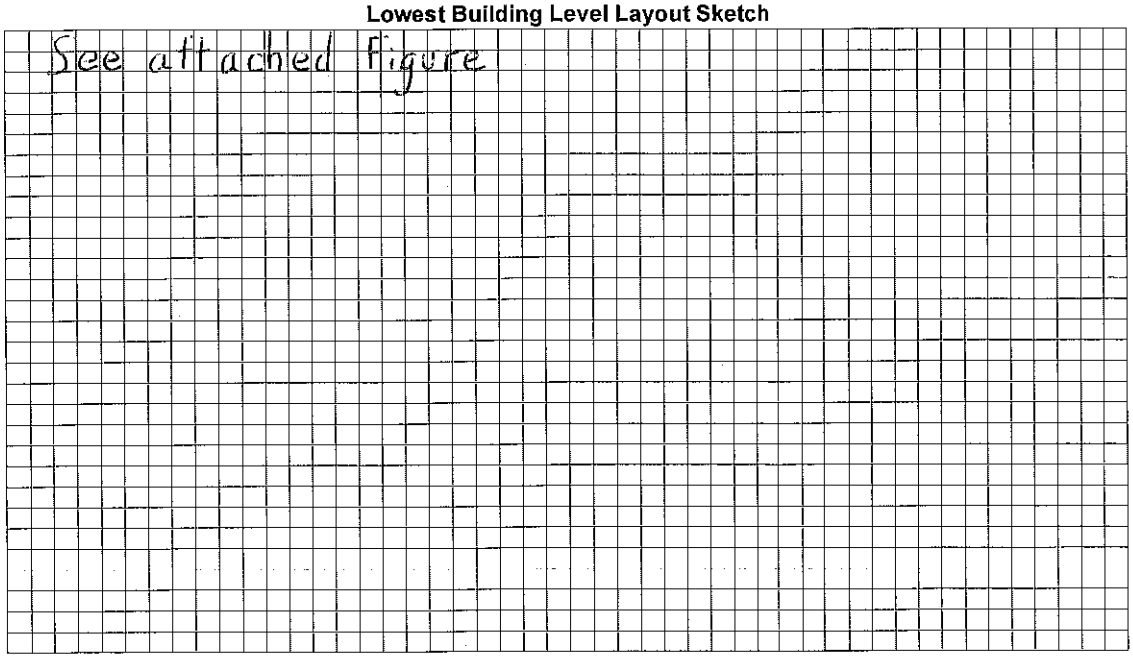
Do any building occupants use solvents at work ? ☒ Yes ☐ No Describe : to clean printing presses

Any testing for Radon ? ☐ Yes ☒ No Results : _____

Radon System/Soil Vapor Intrusion Mitigation System present ? ☐ Yes ☐ No If yes, describe below

_____

Lowest Building Level Layout Sketch



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	**xxxxxxx**	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	######	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab vapor samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Structure Sampling - Product Inventory

Homeowner Name & Address: Mod-Pac, Corp. **Date:** 2/25/24

Samplers & Company: Collin Snyder, Environmental Advantage, Inc. **Structure ID:** _____

Site Number & Name: Mod-Pac, Corp. **Phone Number:** _____

Make & Model of PID: – **Date of PID Calibration:** _____

Identify any Changes from Original Building Questionnaire : _____

Product Name/Description	Quantity	Chemical Ingredients	PID Reading	Location
Rust-Oleum V7400	~5	titanium dioxide, ethylbenzene, xylenes, 1-chloro-4-benzene	–	
Rust-oleum floor top Coat	~2	titanium dioxide, ethylbenzene, xylenes.	–	
Brēkleen	~7	acetone, naphtha hydrotreated light, n-heptane, CO2, heptane branched cyclic and linear, Solvent naphtha light aliph.	–	Scattered
Zapp	~1	n-Propyl Bromide, ethanol, CO2.	–	near Maintence door.
Castle Enamel	~2	Acetone, Propane, Isobutane, Methyl Ethyl Ketone, Xylene VM&P Naphtha, Mineral Spirits Propylene Glycol Methyl Ether Acetate, carbon black	–	Near fume hood
Castle ironman	~2	Isobutane, mineral spirits, propane, Solvent Naptha Medium Aliphatic.	–	
Castle White lithium Grease	~1	naphthenic O.I, Severely Hydrotreated Heptane, Propane/Isobutane/n-Butane, Acetone Zinc Oxide, Titanium Dioxide	–	near maintence door.
Armor Spray paint.	~5		–	near fume Hood

Environmental Advantage

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Mod-Pac Corp Project No.: 01304

Site Name & Address: 1801

Person(s) Performing Sampling: Collin Snyder

Sample Identification: OA 1

Sample Type: ☐ Indoor Air (ambient) ☒ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 2/25/24 Setup Time: 1:12 Stop Time: 10:10

Sample Depth: –

Sample Height: 4 feet

Sampling Method(s) & Device(s): 2.7L ~~Brea~~ Suma

Purge Volume: –

Sample Volume: 2.7L

Sampling Canister Type & Size (if applicable): 2.7L Suma

Canister # 3748 Regulator # 01628

Vacuum Pressure of Canister Prior to Sampling: -29.6

Vacuum Pressure of Canister After Sampling: -.14

Temperature in Sampling Zone: 40°F

Apparent Moisture Content of Sampling Zone: Moderate

Soil Type in Sampling Zone: Urban Fill

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Pace

Analysis: TO-15

Comments:

_____

_____

_____

Sampler's Signature Collin Snyder Date: 2/25/24

Environmental Advantage

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Mod-Pac Corp Project No.: 01304

Site Name & Address: 1801 Elmwood Ave

Person(s) Performing Sampling: Collin Snyder

Sample Identification: IA4 duplicate

Sample Type: ☒Indoor Air (ambient) ☐Outdoor Air ☐Soil Vapor ☐Sub-slab Vapor

Date of Collection: 2-25-24 Setup Time: 1:05 Stop Time: 10:09

Sample Depth: -

Sample Height: 6'

Sampling Method(s) & Device(s): 2.7L Suma

Purge Volume: -

Sample Volume: 2.7L

Sampling Canister Type & Size (if applicable): 2.7L Suma

Canister # 3227 Regulator # 0079

Vacuum Pressure of Canister Prior to Sampling: -29.10

Vacuum Pressure of Canister After Sampling: -3.91

Temperature in Sampling Zone: 65° F indoor

Apparent Moisture Content of Sampling Zone: low

Soil Type in Sampling Zone: Urban fill

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒Yes ☐No. If no, provide reason(s) why?

Laboratory Name: Pace

Analysis: TO-15

Comments:

Sampler's Signature Collin Snyder Date: 2/25/24

Environmental Advantage

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Mod-Pac Corp Project No.: 0304

Site Name & Address: 1801 Elmwood Ave

Person(s) Performing Sampling: Collin Snyder

Sample Identification: IA4

Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 2/25/24 Setup Time: 1:05 Stop Time: 10:07

Sample Depth: –

Sample Height: 6'

Sampling Method(s) & Device(s): 2.7L Suma

Purge Volume: –

Sample Volume: 2.7L

Sampling Canister Type & Size (if applicable): 2.7L Suma

Canister # 2996 Regulator # 02243

Vacuum Pressure of Canister Prior to Sampling: 29.46

Vacuum Pressure of Canister After Sampling: 1.64

Temperature in Sampling Zone: 65°F

Apparent Moisture Content of Sampling Zone: low

Soil Type in Sampling Zone: Urban fill

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Pace

Analysis: TO-15

Comments:

Sampler's Signature: Collin Snyder Date: 2/25/24

APPENDIX F

INTRUSIVE ACTIVITIES

F1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Commercial or Industrial Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 50-100

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? yes

Does it contain less than 10%, by weight, material that would pass a size 10 sieve? yes

Does it contain less than 10%, by weight, material that would pass a size 100 sieve? yes

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Material is Virgin 2-inch Crushed Limestone Subbase material, supplied from a commercial source, New Enterprise Stone & Lime Co., Inc., Como Park Boulevard quarry. Applicable Sieve Analysis and Proctor are attached. Samples are not required for virgin stone as per DER-10.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Lehigh Construction, Marc Irace (customer to NESL)

Location where fill was obtained:

500 Como Park Boulevard. Buffalo, NY 14227

Identification of any state or local approvals as a fill source:

NYSDOT Approved Source

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Sieve and Proctor for pre-approved stockpile 5-3R

The information provided on this form is accurate and complete.

Mary Szusatk Digitally signed by Mary Szusatk Date: 2023.06.29 12:41:08 -04'00'

Signature

6/29/2023

Date

Mary Szustak

Print Name

Environmental Advantage, Inc.

Firm

NEW ENTERPRISE STONE & LIME CO., INC.

500 Como Park Boulevard • Buffalo NY 14227

Office: (716) 826-7310
Fax: (716) 826-1342
Dispatch: (716) 566-9690

June 29, 2023

Mr Marc Irace
Lehigh Construction
4327 S. Taylor Rd
Orchard Park, NY

Re: Modpac

Dear Marc,

The Crushed Limestone Subbase material to be supplied to the above referenced project was extracted, crushed, and screened at our Lancaster, NY facility. The material is produced from a virgin stone source, un-impacted by hazardous materials or contaminants and free of loam, organic matter including clay. The Quarry is a NYSDOT approved source; the source number is 5-3R.

Sincerely,

Curt Resetarits
Vice President, Sales

CME Associates, Inc.

2727 Broadway St., Suite 2
Cheektowaga, New York 14227
(716) 877-9577
(716) 877-9629 (Fax)

www.cmeassociates.com

LAB REPORT SUMMARY

PROJECT: NESL Source Pre-Qual 2021 **REPORT NO.:** 17330L-05
CLIENT: NESL **REPRESENTATIVE:** Austin Glasier
DATE: 04/29/2022

This CME Associates, Inc representative performed a sieve analysis and moisture density test (Modified Proctor) on a 2" R.O.C. sample delivered to CME's Buffalo laboratory on 04/13/2022. Tests were performed according to ASTM standards C136, C117, and D1557.

The following table distinguishes your sample from some common NYSDOT items:

Sample No.:	Location:
BL3134	Source #5-3R

MECHANICAL ANALYSIS (ASTM C136, C117)

Sieve Size	Percent Passing by Weight Sample BL3134	Item 304.12 Subbase Type II	Item 203.07 Select Granular Fill	Item 203.25 Sand Backfill	Item 605.0901 Underdrain Filter Type 1
4"	100		100		
2"	100	100			
1"	94				100
3/4"	86				
1/2"	68			100	30-100
3/8"	58				
1/4"	46	25-60		90-100	0-30
No. 4	40				
No. 10	23				0-10
No. 40	10	5-40	0-70		
No. 80	8				
No. 200	6	0-10	0-15	0-5	0-5

CLASSIFICATION

Gray cmf Gravel; some cmf Sand; trace Silt/Clay

LABORATORY MOISTURE-DENSITY RELATIONSHIP (ASTM D1557)

Corrected Maximum Dry Density	=	**143.1**	**Pcf**
Corrected Optimum Moisture Content	=	**5.5**	**%**

It is recommended the engineer of record review and comment on the use of this material. Please see attached documents for lab test results.

Feel free to contact this office should you have any questions.

CME Associates, Inc.

2727 Broadway Ave, Suite #2
Buffalo New York 14227
(716) 877-9577
(716) 877-9629 (Fax)

www cmeassociates.com

LABORATORY TEST SUMMARY
NFSI
NFSI Source Pre-Qual 2021
CME Report Number: 17330L-05
4/29/2022
Page 2 of 3

The CME Associates Representative obtained 1 sample at the above referenced project. The sample was delivered to CME's Buffalo facility, an AASHTO accredited laboratory, for a Particle Size Analysis and a Moisture Density Relationship determination. The results are as follow:

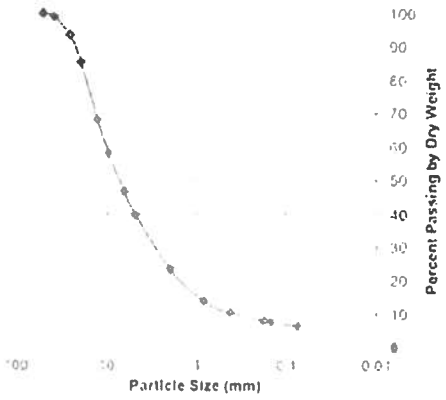
1) Material Identification

Sample #	Date Sampled	Classification	Source
BL3132	04/15/22	Gray coal Gravel some coal Sand trace Silt Clay	Source: SSR

2) Particle Size Analysis (ASTM D422)

Sieve Size	Sieve Size (mm)	% Passing by Dry Weight Sample # BL3134
3"	80	100
1-1/2"	37.5	99
1"	25	93
3/4"	19	86
1/2"	12.5	68
3/8"	9.50	58
#4	6.25	46
#4	4.75	40
#10	2.00	23
#20	0.850	14
#40	0.425	10
#80	0.180	8
#100	0.150	7
#200	0.075	6

Grain Size Distribution



Note: Proposed use of material not provided

3) Moisture Density Relationship (ASTM D-1557: Modified Proctor)

	Sample # BL3134
Corrected Maximum Dry Density (pcf)	143.1
Corrected Optimum Moisture Content (%)	5.5
Oversized Particles, Percent by Weight (%)	14 *

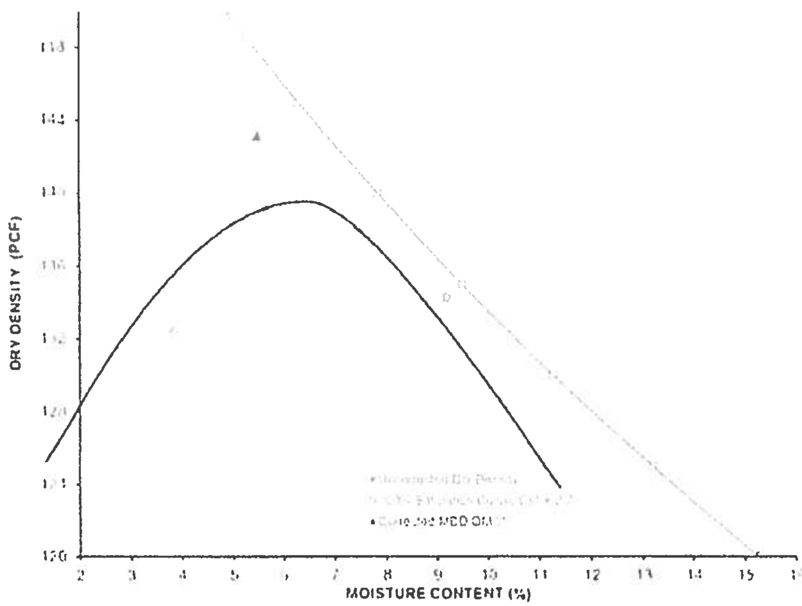
* Particles retained on 3/4-inch sieve

AASHTO - American Association of State Highway & Transportation Officials (AASHTO) Materials Reference Laboratory
CME Buffalo accreditation includes tests of Portland Cement Concrete, Aggregate and Soil Materials. www.aashtoresource.org

LABORATORY TEST SUMMARY
NLSI
NTSI Source Pre-Qual 2021
CME Report Number: 17330L-05
Page 3 of 3

SAMPLE LOCATION	Source #5-3R	DATE SAMPLED:	4/13/22
SOIL CLASSIFICATION	Gray cmf Gravel; some cmf Sand; trace Silt/Clay	SAMPLE NO.:	BL 3134

Moisture - Density Relationship Curve



Particle Size Analysis ASTM D422

Sieve Size	% Passing
2"	100
1-1/2"	99
1"	94
3/4"	86
1/2"	68
3/8"	58
1/4"	46
No.4	40
No.10	23
No.20	14
No.40	10
No.80	8
No.100	7
No.200	6

Test Procedure Information

Test Method	ASTM D 1557 (Modified)	ASTM D 698 (Standard)	
Procedure Used	A	B	C
Preparation Method	Dry	Moist	
Description of Rammer	Manual	Mechanical	

Test Results

Corrected MDD (PCF) 143.1
Corrected OMC (%) 5.5

Oversize Fraction by Dry Weight
13 Retained on #3/4 Sieve 3/8 Sieve 3/4 Sieve

* Specific Gravity estimated
** MDD = Maximum Dry Density, OMC = Optimum Moisture Content
Please feel free to contact our office if you have any questions.

Austin Glaser
Laboratory Technician

MOD-PAC CORP., 1801 Elmwood Avenue, Bufalo, NY

Down Wind Dust Data

July 06, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530164102
Firmware Version	3.1
Calibration Date	6/19/2023
Test Name	MANUAL_002
Test Start Time	6:36:15 AM
Test Start Date	7/6/2023
Test Length [D:H:M]	0:07:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.146
Mass Minimum [mg/m3]	0.039
Mass Maximum [mg/m3]	0.341
Mass TWA [mg/m3]	0.141
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	31

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.057		
1800	0.063		
2700	0.097		
3600	0.093		
4500	0.09		
5400	0.087		
6300	0.085		
7200	0.098		
8100	0.067		
9000	0.049		
9900	0.039		
10800	0.05		
11700	0.063		
12600	0.074		
13500	0.101		
14400	0.089		
15300	0.1		
16200	0.214		
17100	0.285		
18000	0.211		

18900	0.121
19800	0.147
20700	0.264
21600	0.311
22500	0.233
23400	0.159
24300	0.174
25200	0.271
26100	0.341
27000	0.258
27900	0.234

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY

Up Wind Dust Data

July 06, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152808
Firmware Version	3.1
Calibration Date	6/16/2023
Test Name	MANUAL_003
Test Start Time	6:29:41
Test Start Date	7/6/2023
Test Length [D:H:M]	0:07:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.308
Mass Minimum [mg/m3]	0.051
Mass Maximum [mg/m3]	0.88
Mass TWA [mg/m3]	0.299
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	31

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.107		
1800	0.148		
2700	0.189		
3600	0.345		
4500	0.182		
5400	0.136		
6300	0.156		
7200	0.151		
8100	0.076		
9000	0.051		
9900	0.052		
10800	0.071		
11700	0.09		
12600	0.109		
13500	0.127		
14400	0.133		
15300	0.235		
16200	0.666		
17100	0.719		
18000	0.218		

18900	0.117
19800	0.753
20700	0.488
21600	0.462
22500	0.274
23400	0.372
24300	0.595
25200	0.88
26100	0.76
27000	0.482
27900	0.412

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY

Down Wind Dust Data

July 07, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530164102
Firmware Version	3.1
Calibration Date	6/19/2023
Test Name	MANUAL_003
Test Start Time	6:31:04 AM
Test Start Date	7/7/2023
Test Length [D:H:M]	0:07:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.093
Mass Minimum [mg/m3]	0.05
Mass Maximum [mg/m3]	0.169
Mass TWA [mg/m3]	0.091
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	31

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.131		
1800	0.115		
2700	0.122		
3600	0.125		
4500	0.138		
5400	0.169		
6300	0.164		
7200	0.134		
8100	0.111		
9000	0.09		
9900	0.084		
10800	0.081		
11700	0.078		
12600	0.081		
13500	0.076		
14400	0.091		
15300	0.119		
16200	0.121		
17100	0.112		
18000	0.088		

18900	0.07
19800	0.058
20700	0.05
21600	0.052
22500	0.062
23400	0.07
24300	0.072
25200	0.062
26100	0.058
27000	0.057
27900	0.057

MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY

Up Wind Dust Data

July 7, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152808
Firmware Version	3.1
Calibration Date	6/16/2023
Test Name	MANUAL_004
Test Start Time	6:25:35
Test Start Date	7/7/2023
Test Length [D:H:M]	0:08:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.146
Mass Minimum [mg/m3]	0.036
Mass Maximum [mg/m3]	0.362
Mass TWA [mg/m3]	0.146
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	32

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.294		
1800	0.362		
2700	0.286		
3600	0.214		
4500	0.21		
5400	0.231		
6300	0.186		
7200	0.131		
8100	0.098		
9000	0.076		
9900	0.121		
10800	0.143		
11700	0.107		
12600	0.13		
13500	0.13		
14400	0.124		
15300	0.18		
16200	0.182		
17100	0.273		
18000	0.112		

18900	0.073
19800	0.313
20700	0.069
21600	0.048
22500	0.134
23400	0.13
24300	0.085
25200	0.059
26100	0.051
27000	0.048
27900	0.041
28800	0.036

MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY

Down Wind Dust Data

July 10, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530164102
Firmware Version	3.1
Calibration Date	6/19/2023
Test Name	MANUAL_004
Test Start Time	8:04:43 AM
Test Start Date	7/10/2023
Test Length [D:H:M]	0:06:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.096
Mass Minimum [mg/m3]	0.036
Mass Maximum [mg/m3]	0.319
Mass TWA [mg/m3]	0.072
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	24

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.15		
1800	0.088		
2700	0.065		
3600	0.051		
4500	0.043		
5400	0.036		
6300	0.038		
7200	0.054		
8100	0.051		
9000	0.053		
9900	0.049		
10800	0.043		
11700	0.047		
12600	0.046		
13500	0.043		
14400	0.04		
15300	0.041		
16200	0.044		
17100	0.136		
18000	0.207		

18900	0.319
19800	0.261
20700	0.244
21600	0.163

MOD-PAC Corp., 1801 Elmwood Avenue, Buffalo, NY

Up Wind Dust Data

July 10, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152808
Firmware Version	3.1
Calibration Date	6/16/2023
Test Name	MANUAL_005
Test Start Time	7:58:53
Test Start Date	7/10/2023
Test Length [D:H:M]	0:06:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.096
Mass Minimum [mg/m3]	0.025
Mass Maximum [mg/m3]	0.275
Mass TWA [mg/m3]	0.075
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	25

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.186		
1800	0.12		
2700	0.072		
3600	0.045		
4500	0.033		
5400	0.025		
6300	0.04		
7200	0.068		
8100	0.084		
9000	0.062		
9900	0.046		
10800	0.036		
11700	0.079		
12600	0.063		
13500	0.044		
14400	0.032		
15300	0.056		
16200	0.054		
17100	0.075		
18000	0.146		

18900	0.27
19800	0.275
20700	0.26
21600	0.149
22500	0.079

MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY

Down Wind Dust Data

July 11, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530164102
Firmware Version	3.1
Calibration Date	6/19/2023
Test Name	MANUAL_005
Test Start Time	6:41:02 AM
Test Start Date	7/11/2023
Test Length [D:H:M]	0:07:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.097
Mass Minimum [mg/m3]	0.043
Mass Maximum [mg/m3]	0.233
Mass TWA [mg/m3]	0.085
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	28

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.101		
1800	0.164		
2700	0.181		
3600	0.225		
4500	0.233		
5400	0.168		
6300	0.124		
7200	0.078		
8100	0.077		
9000	0.089		
9900	0.08		
10800	0.066		
11700	0.075		
12600	0.093		
13500	0.073		
14400	0.065		
15300	0.074		
16200	0.07		
17100	0.059		
18000	0.047		

18900	0.043
19800	0.059
20700	0.092
21600	0.091
22500	0.086
23400	0.085
24300	0.065
25200	0.048

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY

Up Wind Dust Data

July, 11 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152808
Firmware Version	3.1
Calibration Date	6/16/2023
Test Name	MANUAL_006
Test Start Time	6:38:16
Test Start Date	7/11/2023
Test Length [D:H:M]	0:07:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.087
Mass Minimum [mg/m3]	0.039
Mass Maximum [mg/m3]	0.193
Mass TWA [mg/m3]	0.076
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	28

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.099		
1800	0.179		
2700	0.172		
3600	0.193		
4500	0.09		
5400	0.106		
6300	0.069		
7200	0.045		
8100	0.059		
9000	0.093		
9900	0.058		
10800	0.062		
11700	0.138		
12600	0.109		
13500	0.062		
14400	0.064		
15300	0.079		
16200	0.057		
17100	0.048		
18000	0.042		

18900	0.039
19800	0.084
20700	0.102
21600	0.106
22500	0.087
23400	0.096
24300	0.067
25200	0.042

MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY

Down Wind Dust Data

July 12, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530164102
Firmware Version	3.1
Calibration Date	6/19/2023
Test Name	MANUAL_006
Test Start Time	6:24:13 AM
Test Start Date	7/12/2023
Test Length [D:H:M]	0:07:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.09
Mass Minimum [mg/m3]	0.035
Mass Maximum [mg/m3]	0.181
Mass TWA [mg/m3]	0.082
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	29

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.085		
1800	0.11		
2700	0.098		
3600	0.088		
4500	0.065		
5400	0.048		
6300	0.045		
7200	0.039		
8100	0.035		
9000	0.079		
9900	0.135		
10800	0.151		
11700	0.13		
12600	0.127		
13500	0.173		
14400	0.181		
15300	0.168		
16200	0.137		
17100	0.106		
18000	0.069		

18900	0.054
19800	0.045
20700	0.059
21600	0.075
22500	0.084
23400	0.073
24300	0.055
25200	0.047
26100	0.049

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY

Up Wind Dust Data

July 12, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152808
Firmware Version	3.1
Calibration Date	6/16/2023
Test Name	MANUAL_007
Test Start Time	6:25:10
Test Start Date	7/12/2023
Test Length [D:H:M]	0:07:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.13
Mass Minimum [mg/m3]	0.027
Mass Maximum [mg/m3]	0.339
Mass TWA [mg/m3]	0.118
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	29

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.22		
1800	0.297		
2700	0.21		
3600	0.123		
4500	0.067		
5400	0.061		
6300	0.047		
7200	0.027		
8100	0.04		
9000	0.276		
9900	0.259		
10800	0.177		
11700	0.171		
12600	0.258		
13500	0.339		
14400	0.215		
15300	0.116		
16200	0.113		
17100	0.101		
18000	0.057		

18900	0.038
19800	0.045
20700	0.092
21600	0.191
22500	0.071
23400	0.052
24300	0.035
25200	0.037
26100	0.041

MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY

Down Wind Dust Data

July 13, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530164102
Firmware Version	3.1
Calibration Date	6/19/2023
Test Name	MANUAL_007
Test Start Time	6:27:32 AM
Test Start Date	7/13/2023
Test Length [D:H:M]	0:07:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.055
Mass Minimum [mg/m3]	0.03
Mass Maximum [mg/m3]	0.09
Mass TWA [mg/m3]	0.05
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	29

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.042		
1800	0.059		
2700	0.043		
3600	0.041		
4500	0.054		
5400	0.049		
6300	0.036		
7200	0.03		
8100	0.038		
9000	0.043		
9900	0.051		
10800	0.046		
11700	0.04		
12600	0.043		
13500	0.063		
14400	0.065		
15300	0.058		
16200	0.055		
17100	0.061		
18000	0.054		

18900	0.041
19800	0.037
20700	0.068
21600	0.083
22500	0.068
23400	0.09
24300	0.08
25200	0.087
26100	0.079

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY

Up Wind Dust Data

July 13, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152808
Firmware Version	3.1
Calibration Date	6/16/2023
Test Name	MANUAL_008
Test Start Time	6:20:49
Test Start Date	7/13/2023
Test Length [D:H:M]	0:07:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.071
Mass Minimum [mg/m3]	0.023
Mass Maximum [mg/m3]	0.548
Mass TWA [mg/m3]	0.067
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	30

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.548		
1800	0.065		
2700	0.046		
3600	0.034		
4500	0.042		
5400	0.033		
6300	0.03		
7200	0.025		
8100	0.023		
9000	0.028		
9900	0.032		
10800	0.033		
11700	0.025		
12600	0.028		
13500	0.035		
14400	0.04		
15300	0.056		
16200	0.056		
17100	0.043		
18000	0.047		

18900	0.027
19800	0.026
20700	0.149
21600	0.1
22500	0.121
23400	0.142
24300	0.087
25200	0.057
26100	0.073
27000	0.081

Device Serial No	Log Time	Log Interval	Sensor 1 Type	Sensor 1 Display Unit	Sensor 1 Serial Number	Sensor 1 Status	Sensor 1 Gas Reading	Sensor 1 Average Reading	Sensor 1 Span Setpoint	Sensor 1 Span2 Setpoint	Sensor 1 High Alarm	Sensor 1 Low Alarm	Record Number	Session Start Time	Session Stop Time	Firmware Version
592-600822	7/13/2023 2:28:19 PM		PID		SC23030303A9	Normal	1.1	1.1								
592-600822	7/13/2023 2:13:19 PM		PID		SC23030303A9	Normal	1.5	1.5								
592-600822	7/13/2023 1:58:19 PM		PID		SC23030303A9	Normal	1.6	1.6								
592-600822	7/13/2023 1:43:19 PM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/13/2023 1:28:19 PM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/13/2023 1:13:19 PM		PID		SC23030303A9	Normal	2.2	2.2								
592-600822	7/13/2023 12:58:19 PM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/13/2023 12:43:19 PM		PID		SC23030303A9	Normal	2.1	2.1								
592-600822	7/13/2023 12:28:19 PM		PID		SC23030303A9	Normal	1.9	1.9								
592-600822	7/13/2023 12:13:19 PM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/13/2023 11:58:19 AM		PID		SC23030303A9	Normal	2.2	2.2								
592-600822	7/13/2023 11:43:19 AM		PID		SC23030303A9	Normal	2.2	2.2								
592-600822	7/13/2023 11:28:19 AM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/13/2023 11:13:19 AM		PID		SC23030303A9	Normal	1.8	1.8								
592-600822	7/13/2023 10:58:19 AM		PID		SC23030303A9	Normal	1.4	1.4								
592-600822	7/13/2023 10:43:19 AM		PID		SC23030303A9	Normal	1.3	1.3								
592-600822	7/13/2023 10:28:19 AM		PID		SC23030303A9	Normal	1.1	1.1								
592-600822	7/13/2023 10:13:19 AM		PID		SC23030303A9	Normal	0.6	0.6								
592-600822	7/13/2023 9:58:19 AM		PID		SC23030303A9	Normal	0.5	0.5								
592-600822	7/13/2023 9:43:19 AM		PID		SC23030303A9	Normal	0.7	0.7								
592-600822	7/13/2023 9:28:19 AM		PID		SC23030303A9	Normal	0.8	0.8								
592-600822	7/13/2023 9:13:19 AM		PID		SC23030303A9	Normal	0.6	0.6								
592-600822	7/13/2023 8:58:19 AM		PID		SC23030303A9	Normal	0.4	0.4								
592-600822	7/13/2023 8:43:19 AM		PID		SC23030303A9	Normal	0.5	0.5								
592-600822	7/13/2023 8:28:19 AM		PID		SC23030303A9	Normal	0.9	0.9								
592-600822	7/13/2023 8:13:19 AM		PID		SC23030303A9	Normal	0.9	0.9								
592-600822	7/13/2023 7:58:19 AM		PID		SC23030303A9	Normal	0.7	0.7								
592-600822	7/13/2023 7:43:19 AM		PID		SC23030303A9	Normal	0.6	0.6								
592-600822	7/13/2023 7:28:19 AM		PID		SC23030303A9	Normal	1.0	1.0								
592-600822	7/13/2023 7:13:19 AM		PID		SC23030303A9	Normal	1.9	1.9								
592-600822	7/13/2023 6:58:19 AM	900	PID	ppm	SC23030303A9				100.0	1000.0	100.0	25.0	30	7/13/2023 6:58:19 AM	7/13/2023 2:28:19 PM	V2.22A
592-600822	7/12/2023 2:10:11 PM		PID		SC23030303A9	Normal	3.5	3.5								
592-600822	7/12/2023 1:55:11 PM		PID		SC23030303A9	Normal	3.5	3.5								
592-600822	7/12/2023 1:40:11 PM		PID		SC23030303A9	Normal	3.3	3.3								
592-600822	7/12/2023 1:25:11 PM		PID		SC23030303A9	Normal	3.2	3.2								
592-600822	7/12/2023 1:10:11 PM		PID		SC23030303A9	Normal	3.0	3.0								
592-600822	7/12/2023 12:55:11 PM		PID		SC23030303A9	Normal	3.1	3.1								
592-600822	7/12/2023 12:40:11 PM		PID		SC23030303A9	Normal	3.0	3.0								
592-600822	7/12/2023 12:25:11 PM		PID		SC23030303A9	Normal	2.9	2.9								
592-600822	7/12/2023 12:10:11 PM		PID		SC23030303A9	Normal	2.8	2.8								
592-600822	7/12/2023 11:55:11 AM		PID		SC23030303A9	Normal	3.0	3.0								
592-600822	7/12/2023 11:40:11 AM		PID		SC23030303A9	Normal	3.1	3.1								
592-600822	7/12/2023 11:25:11 AM		PID		SC23030303A9	Normal	3.2	3.2								
592-600822	7/12/2023 11:10:11 AM		PID		SC23030303A9	Normal	3.3	3.3								
592-600822	7/12/2023 10:55:11 AM		PID		SC23030303A9	Normal	3.6	3.6								
592-600822	7/12/2023 10:40:11 AM		PID		SC23030303A9	Normal	3.9	3.9								
592-600822	7/12/2023 10:25:11 AM		PID		SC23030303A9	Normal	4.0	4.0								
592-600822	7/12/2023 10:10:11 AM		PID		SC23030303A9	Normal	3.9	3.9								
592-600822	7/12/2023 9:55:11 AM		PID		SC23030303A9	Normal	3.5	3.5								
592-600822	7/12/2023 9:40:11 AM		PID		SC23030303A9	Normal	3.0	3.0								
592-600822	7/12/2023 9:25:11 AM		PID		SC23030303A9	Normal	2.9	2.9								
592-600822	7/12/2023 9:10:11 AM		PID		SC23030303A9	Normal	2.7	2.7								
592-600822	7/12/2023 8:55:11 AM		PID		SC23030303A9	Normal	2.7	2.7								
592-600822	7/12/2023 8:40:11 AM		PID		SC23030303A9	Normal	2.7	2.7								
592-600822	7/12/2023 8:25:11 AM		PID		SC23030303A9	Normal	2.7	2.7								
592-600822	7/12/2023 8:10:11 AM		PID		SC23030303A9	Normal	2.6	2.6								
592-600822	7/12/2023 7:55:11 AM		PID		SC23030303A9	Normal	2.6	2.6								
592-600822	7/12/2023 7:40:11 AM		PID		SC23030303A9	Normal	2.3	2.3								
592-600822	7/12/2023 7:25:11 AM		PID		SC23030303A9	Normal	2.5	2.5								
592-600822	7/12/2023 7:10:11 AM		PID		SC23030303A9	Normal	2.8	2.8								
592-600822	7/12/2023 6:55:11 AM	900	PID	ppm	SC23030303A9				100.0	1000.0	100.0	25.0	29	7/12/2023 6:55:11 AM	7/12/2023 2:10:11 PM	V2.22A
592-600822	7/11/2023 2:11:41 PM		PID		SC23030303A9	Normal	2.9	2.9								
592-600822	7/11/2023 1:56:41 PM		PID		SC23030303A9	Normal	3.0	3.0								
592-600822	7/11/2023 1:41:41 PM		PID		SC23030303A9	Normal	2.9	2.9								
592-600822	7/11/2023 1:26:41 PM		PID		SC23030303A9	Normal	2.7	2.7								
592-600822	7/11/2023 1:11:41 PM		PID		SC23030303A9	Normal	2.6	2.6								
592-600822	7/11/2023 12:56:41 PM		PID		SC23030303A9	Normal	2.6	2.6								
592-600822	7/11/2023 12:41:41 PM		PID		SC23030303A9	Normal	2.6	2.6								
592-600822	7/11/2023 12:26:41 PM		PID		SC23030303A9	Normal	2.7	2.7								
592-600822	7/11/2023 12:11:41 PM		PID		SC23030303A9	Normal	2.8	2.8								
592-600822	7/11/2023 11:56:41 AM		PID		SC23030303A9	Normal	2.8	2.8								
592-600822	7/11/2023 11:41:41 AM		PID		SC23030303A9	Normal	2.9	2.9								
592-600822	7/11/2023 11:26:41 AM		PID		SC23030303A9	Normal	3.0	3.0								
592-600822	7/11/2023 11:11:41 AM		PID		SC23030303A9	Normal	2.8	2.8								
592-600822	7/11/2023 10:56:41 AM		PID		SC23030303A9	Normal	2.5	2.5								
592-600822	7/11/2023 10:41:41 AM		PID		SC23030303A9	Normal	2.8	2.8								
592-600822	7/11/2023 10:26:41 AM		PID		SC23030303A9	Normal	3.2	3.2								
592-600822	7/11/2023 10:11:41 AM		PID		SC23030303A9	Normal	2.7	2.7								
592-600822	7/11/2023 9:56:41 AM		PID		SC23030303A9	Normal	2.7	2.7								
592-600822	7/11/2023 9:41:41 AM		PID		SC23030303A9	Normal	2.3	2.3								
592-600822	7/11/2023 9:26:41 AM		PID		SC23030303A9	Normal	1.9	1.9								
592-600822	7/11/2023 9:11:41 AM		PID		SC23030303A9	Normal	1.9	1.9								
592-600822	7/11/2023 8:56:41 AM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/11/2023 8:41:41 AM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/11/2023 8:26:41 AM		PID		SC23030303A9	Normal	3.3	3.3								
592-600822	7/11/2023 8:11:41 AM		PID		SC23030303A9	Normal	3.4	3.4								
592-600822	7/11/2023 7:56:41 AM		PID		SC23030303A9	Normal	3.7	3.7								
592-600822	7/11/2023 7:41:41 AM		PID		SC23030303A9	Normal	4.5	4.5								
592-600822	7/11/2023 7:26:41 AM		PID		SC23030303A9	Normal	5.5	5.5								
592-600822	7/11/2023 7:11:41 AM	900	PID	ppm	SC23030303A9				100.0	1000.0	100.0	25.0	28	7/11/2023 7:11:41 AM	7/11/2023 2:11:41 PM	V2.22A
592-600822	7/10/2023 2:48:40 PM		PID		SC23030303A9	Normal	3.4	3.4								
592-600822	7/10/2023 2:33:40 PM		PID		SC23030303A9	Normal	3.2	3.2								
592-600822	7/10/2023 2:18:40 PM		PID		SC23030303A9	Normal	2.8	2.8								
592-600822	7/10/2023 2:03:40 PM		PID		SC23030303A9	Normal	2.6	2.6								
592-600822	7/10/2023 1:48:40 PM		PID		SC23030303A9	Normal	2.5	2.5								
592-600822	7/10/2023 1:33:40 PM		PID		SC23030303A9	Normal	2.3	2.3								
592-600822	7/10/2023 1:18:40 PM		PID		SC23030303A9	Normal	2.1	2.1								
592-600822	7/10/2023 1:03:40 PM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/10/2023 12:48:40 PM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/10/2023 12:33:40 PM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/10/2023 12:18:40 PM		PID		SC23030303A9	Normal	2.2	2.2								
592-600822	7/10/2023 12:03:40 PM		PID		SC23030303A9	Normal	2.3	2.3								

592-600822	7/10/2023 11:48:40 AM		PID		SC23030303A9	Normal	2.3	2.3								
592-600822	7/10/2023 11:33:40 AM		PID		SC23030303A9	Normal	2.5	2.5								
592-600822	7/10/2023 11:18:40 AM		PID		SC23030303A9	Normal	2.6	2.6								
592-600822	7/10/2023 11:03:40 AM		PID		SC23030303A9	Normal	2.8	2.8								
592-600822	7/10/2023 10:48:40 AM		PID		SC23030303A9	Normal	2.8	2.8								
592-600822	7/10/2023 10:33:40 AM		PID		SC23030303A9	Normal	2.9	2.9								
592-600822	7/10/2023 10:18:40 AM		PID		SC23030303A9	Normal	2.9	2.9								
592-600822	7/10/2023 10:03:40 AM		PID		SC23030303A9	Normal	2.6	2.6								
592-600822	7/10/2023 9:48:40 AM		PID		SC23030303A9	Normal	2.2	2.2								
592-600822	7/10/2023 9:33:40 AM		PID		SC23030303A9	Normal	1.8	1.8								
592-600822	7/10/2023 9:18:40 AM		PID		SC23030303A9	Normal	1.5	1.5								
592-600822	7/10/2023 9:03:40 AM		PID		SC23030303A9	Normal	1.4	1.4								
592-600822	7/10/2023 8:48:40 AM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/10/2023 8:33:40 AM	900	PID	ppm	SC23030303A9				100.0	1000.0	100.0	25.0	25	7/10/2023 8:33:40 AM	7/10/2023 2:48:40 PM	V2.22A
592-600822	7/7/2023 2:59:26 PM		PID		SC23030303A9	Normal	2.8	2.8								
592-600822	7/7/2023 2:44:26 PM		PID		SC23030303A9	Normal	2.7	2.7								
592-600822	7/7/2023 2:29:26 PM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/7/2023 2:14:26 PM		PID		SC23030303A9	Normal	2.3	2.3								
592-600822	7/7/2023 1:59:26 PM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/7/2023 1:44:26 PM		PID		SC23030303A9	Normal	2.5	2.5								
592-600822	7/7/2023 1:29:26 PM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/7/2023 1:14:26 PM		PID		SC23030303A9	Normal	2.5	2.5								
592-600822	7/7/2023 12:59:26 PM		PID		SC23030303A9	Normal	2.5	2.5								
592-600822	7/7/2023 12:44:26 PM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/7/2023 12:29:26 PM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/7/2023 12:14:26 PM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/7/2023 11:59:26 AM		PID		SC23030303A9	Normal	2.3	2.3								
592-600822	7/7/2023 11:44:26 AM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/7/2023 11:29:26 AM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/7/2023 11:14:26 AM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/7/2023 10:59:26 AM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/7/2023 10:44:26 AM		PID		SC23030303A9	Normal	2.5	2.5								
592-600822	7/7/2023 10:29:26 AM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/7/2023 10:14:26 AM		PID		SC23030303A9	Normal	2.5	2.5								
592-600822	7/7/2023 9:59:26 AM		PID		SC23030303A9	Normal	2.5	2.5								
592-600822	7/7/2023 9:44:26 AM		PID		SC23030303A9	Normal	2.3	2.3								
592-600822	7/7/2023 9:29:26 AM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/7/2023 9:14:26 AM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/7/2023 8:59:26 AM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/7/2023 8:44:26 AM		PID		SC23030303A9	Normal	2.3	2.3								
592-600822	7/7/2023 8:29:26 AM		PID		SC23030303A9	Normal	2.1	2.1								
592-600822	7/7/2023 8:14:26 AM		PID		SC23030303A9	Normal	1.9	1.9								
592-600822	7/7/2023 7:59:26 AM		PID		SC23030303A9	Normal	1.6	1.6								
592-600822	7/7/2023 7:44:26 AM		PID		SC23030303A9	Normal	1.4	1.4								
592-600822	7/7/2023 7:29:26 AM		PID		SC23030303A9	Normal	1.3	1.3								
592-600822	7/7/2023 7:14:26 AM		PID		SC23030303A9	Normal	1.6	1.6								
592-600822	7/7/2023 6:59:26 AM	900	PID	ppm	SC23030303A9				100.0	1000.0	100.0	25.0	32	7/7/2023 6:59:26 AM	7/7/2023 2:59:26 PM	V2.22A
592-600822	7/6/2023 2:49:04 PM		PID		SC23030303A9	Normal	2.2	2.2								
592-600822	7/6/2023 2:34:04 PM		PID		SC23030303A9	Normal	2.4	2.4								
592-600822	7/6/2023 2:19:04 PM		PID		SC23030303A9	Normal	2.1	2.1								
592-600822	7/6/2023 2:04:04 PM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/6/2023 1:49:04 PM		PID		SC23030303A9	Normal	1.9	1.9								
592-600822	7/6/2023 1:34:04 PM		PID		SC23030303A9	Normal	1.8	1.8								
592-600822	7/6/2023 1:19:04 PM		PID		SC23030303A9	Normal	1.8	1.8								
592-600822	7/6/2023 1:04:04 PM		PID		SC23030303A9	Normal	1.9	1.9								
592-600822	7/6/2023 12:49:04 PM		PID		SC23030303A9	Normal	1.8	1.8								
592-600822	7/6/2023 12:34:04 PM		PID		SC23030303A9	Normal	1.7	1.7								
592-600822	7/6/2023 12:19:04 PM		PID		SC23030303A9	Normal	1.8	1.8								
592-600822	7/6/2023 12:04:04 PM		PID		SC23030303A9	Normal	1.9	1.9								
592-600822	7/6/2023 11:49:04 AM		PID		SC23030303A9	Normal	1.9	1.9								
592-600822	7/6/2023 11:34:04 AM		PID		SC23030303A9	Normal	1.9	1.9								
592-600822	7/6/2023 11:19:04 AM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/6/2023 11:04:04 AM		PID		SC23030303A9	Normal	2.1	2.1								
592-600822	7/6/2023 10:49:04 AM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/6/2023 10:34:04 AM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/6/2023 10:19:04 AM		PID		SC23030303A9	Normal	2.1	2.1								
592-600822	7/6/2023 10:04:04 AM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/6/2023 9:49:04 AM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/6/2023 9:34:04 AM		PID		SC23030303A9	Normal	2.1	2.1								
592-600822	7/6/2023 9:19:04 AM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/6/2023 9:04:04 AM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/6/2023 8:49:04 AM		PID		SC23030303A9	Normal	2.1	2.1								
592-600822	7/6/2023 8:34:04 AM		PID		SC23030303A9	Normal	1.9	1.9								
592-600822	7/6/2023 8:19:04 AM		PID		SC23030303A9	Normal	2.2	2.2								
592-600822	7/6/2023 8:04:04 AM		PID		SC23030303A9	Normal	2.3	2.3								
592-600822	7/6/2023 7:49:04 AM		PID		SC23030303A9	Normal	2.1	2.1								
592-600822	7/6/2023 7:34:04 AM		PID		SC23030303A9	Normal	2.0	2.0								
592-600822	7/6/2023 7:19:04 AM		PID		SC23030303A9	Normal	1.9	1.9								
592-600822	7/6/2023 7:04:04 AM	900	PID	ppm	SC23030303A9				100.0	1000.0	100.0	25.0	31	7/6/2023 7:04:04 AM	7/6/2023 2:49:04 PM	V2.22A

Device Serial No	Log Time	Log Interval	Sensor 1 Type	Sensor 1 Display	Sensor 1 Gas Reading	Sensor 1 Average Reading	Sensor 1 Span Setpoint	Sensor 1 High Alarm	Sensor 1 Low Alarm	Record Number	Session Start Time	Session Stop Time	Firmware Version
592-910760	7/12/2023 2:23:55 PM		VOC		1.109	1.109							
592-910760	7/12/2023 2:23:45 PM		VOC		1.198	1.198							
592-910760	7/12/2023 2:23:35 PM		VOC		1.041	1.041							
592-910760	7/12/2023 2:23:25 PM		VOC		1.115	1.115							
592-910760	7/12/2023 2:23:15 PM		VOC		1.365	1.365							
592-910760	7/12/2023 2:23:05 PM		VOC		1.061	1.061							
592-910760	7/12/2023 2:22:55 PM		VOC		1.206	1.206							
592-910760	7/12/2023 2:22:45 PM		VOC		1.202	1.202							
592-910760	7/12/2023 2:22:35 PM		VOC		1.08	1.08							
592-910760	7/12/2023 2:22:25 PM		VOC		1.216	1.216							
592-910760	7/12/2023 2:22:15 PM		VOC		1.235	1.235							
592-910760	7/12/2023 2:22:05 PM		VOC		1.235	1.235							
592-910760	7/12/2023 2:21:55 PM		VOC		1.243	1.243							
592-910760	7/12/2023 2:21:45 PM		VOC		1.256	1.256							
592-910760	7/12/2023 2:21:35 PM		VOC		1.238	1.238							
592-910760	7/12/2023 2:21:25 PM		VOC		1.228	1.228							
592-910760	7/12/2023 2:21:15 PM		VOC		1.23	1.23							
592-910760	7/12/2023 2:21:05 PM		VOC		1.232	1.232							
592-910760	7/12/2023 2:20:55 PM		VOC		1.236	1.236							
592-910760	7/12/2023 2:20:45 PM		VOC		1.239	1.239							
592-910760	7/12/2023 2:20:35 PM		VOC		1.261	1.261							
592-910760	7/12/2023 2:20:25 PM		VOC		1.232	1.232							
592-910760	7/12/2023 2:20:15 PM		VOC		1.231	1.231							
592-910760	7/12/2023 2:20:05 PM		VOC		1.238	1.238							
592-910760	7/12/2023 2:19:55 PM		VOC		1.23	1.23							
592-910760	7/12/2023 2:19:45 PM		VOC		1.196	1.196							
592-910760	7/12/2023 2:19:35 PM		VOC		1.221	1.221							
592-910760	7/12/2023 2:19:25 PM		VOC		1.263	1.263							
592-910760	7/12/2023 2:19:15 PM		VOC		1.243	1.243							
592-910760	7/12/2023 2:19:05 PM		VOC		1.244	1.244							
592-910760	7/12/2023 2:18:55 PM		VOC		1.243	1.243							
592-910760	7/12/2023 2:18:45 PM		VOC		1.281	1.281							
592-910760	7/12/2023 2:18:35 PM		VOC		1.255	1.255							
592-910760	7/12/2023 2:18:25 PM		VOC		1.26	1.26							
592-910760	7/12/2023 2:18:15 PM		VOC		1.159	1.159							
592-910760	7/12/2023 2:18:05 PM		VOC		1.217	1.217							
592-910760	7/12/2023 2:17:55 PM		VOC		1.15	1.15							
592-910760	7/12/2023 2:17:45 PM		VOC		1.17	1.17							
592-910760	7/12/2023 2:17:35 PM		VOC		1.246	1.246							
592-910760	7/12/2023 2:17:25 PM		VOC		1.254	1.254							
592-910760	7/12/2023 2:17:15 PM		VOC		1.267	1.267							
592-910760	7/12/2023 2:17:05 PM		VOC		1.237	1.237							
592-910760	7/12/2023 2:16:55 PM		VOC		1.233	1.233							
592-910760	7/12/2023 2:16:45 PM		VOC		1.225	1.225							
592-910760	7/12/2023 2:16:35 PM		VOC		1.222	1.222							
592-910760	7/12/2023 2:16:25 PM		VOC		1.231	1.231							
592-910760	7/12/2023 2:16:15 PM		VOC		1.229	1.229							
592-910760	7/12/2023 2:16:05 PM		VOC		1.232	1.232							
592-910760	7/12/2023 2:15:55 PM		VOC		1.219	1.219							
592-910760	7/12/2023 2:15:45 PM		VOC		1.211	1.211							
592-910760	7/12/2023 2:15:35 PM		VOC		1.202	1.202							
592-910760	7/12/2023 2:15:25 PM		VOC		1.197	1.197							
592-910760	7/12/2023 2:15:15 PM		VOC		1.201	1.201							
592-910760	7/12/2023 2:15:05 PM		VOC		1.202	1.202							
592-910760	7/12/2023 2:14:55 PM		VOC		1.197	1.197							
592-910760	7/12/2023 2:14:45 PM		VOC		1.188	1.188							
592-910760	7/12/2023 2:14:35 PM		VOC		1.187	1.187							
592-910760	7/12/2023 2:14:25 PM		VOC		1.182	1.182							
592-910760	7/12/2023 2:14:15 PM		VOC		1.178	1.178							
592-910760	7/12/2023 2:14:05 PM		VOC		1.181	1.181							
592-910760	7/12/2023 2:13:55 PM		VOC		1.179	1.179							
592-910760	7/12/2023 2:13:45 PM		VOC		1.179	1.179							
592-910760	7/12/2023 2:13:35 PM		VOC		1.177	1.177							
592-910760	7/12/2023 2:13:25 PM		VOC		1.174	1.174							
592-910760	7/12/2023 2:13:15 PM		VOC		1.174	1.174							
592-910760	7/12/2023 2:13:05 PM		VOC		1.173	1.173							
592-910760	7/12/2023 2:12:55 PM		VOC		1.17	1.17							
592-910760	7/12/2023 2:12:45 PM		VOC		1.166	1.166							
592-910760	7/12/2023 2:12:35 PM		VOC		1.169	1.169							
592-910760	7/12/2023 2:12:25 PM		VOC		1.171	1.171							
592-910760	7/12/2023 2:12:15 PM		VOC		1.176	1.176							
592-910760	7/12/2023 2:12:05 PM		VOC		1.175	1.175							
592-910760	7/12/2023 2:11:55 PM		VOC		1.168	1.168							
592-910760	7/12/2023 2:11:45 PM		VOC		1.168	1.168							
592-910760	7/12/2023 2:11:35 PM		VOC		1.166	1.166							
592-910760	7/12/2023 2:11:25 PM		VOC		1.165	1.165							
592-910760	7/12/2023 2:11:15 PM		VOC		1.161	1.161							
592-910760	7/12/2023 2:11:05 PM		VOC		1.159	1.159							
592-910760	7/12/2023 2:10:55 PM		VOC		1.157	1.157							
592-910760	7/12/2023 2:10:45 PM		VOC		1.156	1.156							
592-910760	7/12/2023 2:10:35 PM		VOC		1.15	1.15							
592-910760	7/12/2023 2:10:25 PM		VOC		1.15	1.15							
592-910760	7/12/2023 2:10:15 PM		VOC		1.148	1.148							
592-910760	7/12/2023 2:10:05 PM		VOC		1.144	1.144							
592-910760	7/12/2023 2:09:55 PM		VOC		1.153	1.153							
592-910760	7/12/2023 2:09:45 PM		VOC		1.192	1.192							
592-910760	7/12/2023 2:09:35 PM		VOC		1.068	1.068							
592-910760	7/12/2023 2:09:25 PM		VOC		1.02	1.02							
592-910760	7/12/2023 2:09:15 PM		VOC		0.856	0.856							
592-910760	7/12/2023 2:09:05 PM		VOC		1.097	1.097							
592-910760	7/12/2023 2:08:55 PM		VOC		1.154	1.154							
592-910760	7/12/2023 2:08:45 PM		VOC		1.155	1.155							
592-910760	7/12/2023 2:08:35 PM		VOC		1.142	1.142							
592-910760	7/12/2023 2:08:25 PM		VOC		1.101	1.101							
592-910760	7/12/2023 2:08:15 PM		VOC		1.165	1.165							
592-910760	7/12/2023 2:08:05 PM		VOC		1.208	1.208							
592-910760	7/12/2023 2:07:55 PM		VOC		1.268	1.268							
592-910760	7/12/2023 2:07:45 PM		VOC		1.133	1.133							

592-910760	7/12/2023 2:07:35 PM		VOC		1.127	1.127								
592-910760	7/12/2023 2:07:25 PM		VOC		1.122	1.122								
592-910760	7/12/2023 2:07:15 PM		VOC		1.12	1.12								
592-910760	7/12/2023 2:07:05 PM		VOC		1.118	1.118								
592-910760	7/12/2023 2:06:55 PM		VOC		1.115	1.115								
592-910760	7/12/2023 2:06:45 PM		VOC		1.074	1.074								
592-910760	7/12/2023 2:06:35 PM		VOC		0.938	0.938								
592-910760	7/12/2023 2:06:25 PM		VOC		1.04	1.04								
592-910760	7/12/2023 2:06:15 PM		VOC		1.077	1.077								
592-910760	7/12/2023 2:06:05 PM		VOC		1.133	1.133								
592-910760	7/12/2023 2:05:55 PM		VOC		1.129	1.129								
592-910760	7/12/2023 2:05:45 PM		VOC		1.13	1.13								
592-910760	7/12/2023 2:05:35 PM		VOC		1.131	1.131								
592-910760	7/12/2023 2:05:25 PM		VOC		1.127	1.127								
592-910760	7/12/2023 2:05:15 PM		VOC		1.143	1.143								
592-910760	7/12/2023 2:05:05 PM		VOC		1.121	1.121								
592-910760	7/12/2023 2:04:55 PM		VOC		1.116	1.116								
592-910760	7/12/2023 2:04:45 PM		VOC		1.12	1.12								
592-910760	7/12/2023 2:04:35 PM		VOC		1.122	1.122								
592-910760	7/12/2023 2:04:25 PM		VOC		1.105	1.105								
592-910760	7/12/2023 2:04:15 PM		VOC		1.122	1.122								
592-910760	7/12/2023 2:04:05 PM		VOC		1.296	1.296								
592-910760	7/12/2023 2:03:55 PM		VOC		1.103	1.103								
592-910760	7/12/2023 2:03:45 PM		VOC		1.046	1.046								
592-910760	7/12/2023 2:03:35 PM		VOC		1.112	1.112								
592-910760	7/12/2023 2:03:25 PM		VOC		1.317	1.317								
592-910760	7/12/2023 2:03:15 PM		VOC		1.282	1.282								
592-910760	7/12/2023 2:03:05 PM		VOC		1.276	1.276								
592-910760	7/12/2023 2:02:55 PM		VOC		1.18	1.18								
592-910760	7/12/2023 2:02:45 PM		VOC		1.296	1.296								
592-910760	7/12/2023 2:02:35 PM		VOC		1.286	1.286								
592-910760	7/12/2023 2:02:25 PM		VOC		1.281	1.281								
592-910760	7/12/2023 2:02:15 PM		VOC		1.279	1.279								
592-910760	7/12/2023 2:02:05 PM		VOC		1.275	1.275								
592-910760	7/12/2023 2:01:55 PM		VOC		1.239	1.239								
592-910760	7/12/2023 2:01:45 PM		VOC		1.276	1.276								
592-910760	7/12/2023 2:01:35 PM		VOC		1.275	1.275								
592-910760	7/12/2023 2:01:25 PM		VOC		1.281	1.281								
592-910760	7/12/2023 2:01:15 PM		VOC		1.277	1.277								
592-910760	7/12/2023 2:01:05 PM		VOC		1.274	1.274								
592-910760	7/12/2023 2:00:55 PM		VOC		1.276	1.276								
592-910760	7/12/2023 2:00:45 PM		VOC		1.278	1.278								
592-910760	7/12/2023 2:00:35 PM		VOC		1.277	1.277								
592-910760	7/12/2023 2:00:25 PM		VOC		1.276	1.276								
592-910760	7/12/2023 2:00:15 PM		VOC		1.274	1.274								
592-910760	7/12/2023 2:00:05 PM		VOC		1.274	1.274								
592-910760	7/12/2023 1:59:55 PM		VOC		1.271	1.271								
592-910760	7/12/2023 1:59:45 PM		VOC		1.266	1.266								
592-910760	7/12/2023 1:59:35 PM		VOC		1.264	1.264								
592-910760	7/12/2023 1:59:25 PM		VOC		1.26	1.26								
592-910760	7/12/2023 1:59:15 PM		VOC		1.258	1.258								
592-910760	7/12/2023 1:59:05 PM		VOC		1.259	1.259								
592-910760	7/12/2023 1:58:55 PM		VOC		1.263	1.263								
592-910760	7/12/2023 1:58:45 PM		VOC		1.267	1.267								
592-910760	7/12/2023 1:58:35 PM		VOC		1.265	1.265								
592-910760	7/12/2023 1:58:25 PM		VOC		1.264	1.264								
592-910760	7/12/2023 1:58:15 PM		VOC		1.262	1.262								
592-910760	7/12/2023 1:58:05 PM		VOC		1.272	1.272								
592-910760	7/12/2023 1:57:55 PM		VOC		1.253	1.253								
592-910760	7/12/2023 1:57:45 PM		VOC		1.255	1.255								
592-910760	7/12/2023 1:57:35 PM		VOC		1.25	1.25								
592-910760	7/12/2023 1:57:25 PM		VOC		1.249	1.249								
592-910760	7/12/2023 1:57:15 PM		VOC		1.252	1.252								
592-910760	7/12/2023 1:57:05 PM		VOC		1.251	1.251								
592-910760	7/12/2023 1:56:55 PM		VOC		1.248	1.248								
592-910760	7/12/2023 1:56:45 PM		VOC		1.247	1.247								
592-910760	7/12/2023 1:56:35 PM		VOC		1.25	1.25								
592-910760	7/12/2023 1:56:25 PM		VOC		1.252	1.252								
592-910760	7/12/2023 1:56:15 PM		VOC		1.25	1.25								
592-910760	7/12/2023 1:56:05 PM		VOC		1.249	1.249								
592-910760	7/12/2023 1:55:55 PM		VOC		1.251	1.251								
592-910760	7/12/2023 1:55:45 PM		VOC		1.251	1.251								
592-910760	7/12/2023 1:55:35 PM		VOC		1.252	1.252								
592-910760	7/12/2023 1:55:25 PM		VOC		1.255	1.255								
592-910760	7/12/2023 1:55:15 PM		VOC		1.255	1.255								
592-910760	7/12/2023 1:55:05 PM		VOC		1.262	1.262								
592-910760	7/12/2023 1:54:55 PM		VOC		1.263	1.263								
592-910760	7/12/2023 1:54:45 PM		VOC		1.259	1.259								
592-910760	7/12/2023 1:54:35 PM		VOC		1.259	1.259								
592-910760	7/12/2023 1:54:25 PM		VOC		1.265	1.265								
592-910760	7/12/2023 1:54:15 PM		VOC		1.266	1.266								
592-910760	7/12/2023 1:54:05 PM		VOC		1.275	1.275								
592-910760	7/12/2023 1:53:55 PM		VOC		1.265	1.265								
592-910760	7/12/2023 1:53:45 PM		VOC		1.266	1.266								
592-910760	7/12/2023 1:53:35 PM		VOC		1.267	1.267								
592-910760	7/12/2023 1:53:25 PM		VOC		1.267	1.267								
592-910760	7/12/2023 1:53:15 PM		VOC		1.267	1.267								
592-910760	7/12/2023 1:53:05 PM		VOC		1.266	1.266								
592-910760	7/12/2023 1:52:55 PM		VOC		1.27	1.27								
592-910760	7/12/2023 1:52:45 PM		VOC		1.274	1.274								
592-910760	7/12/2023 1:52:35 PM		VOC		1.269	1.269								
592-910760	7/12/2023 1:52:25 PM		VOC		1.27	1.27								
592-910760	7/12/2023 1:52:15 PM		VOC		1.269	1.269								
592-910760	7/12/2023 1:52:05 PM		VOC		1.271	1.271								
592-910760	7/12/2023 1:51:55 PM		VOC		1.25	1.25								
592-910760	7/12/2023 1:51:45 PM		VOC		1.151	1.151								
592-910760	7/12/2023 1:51:35 PM		VOC		1.312	1.312								
592-910760	7/12/2023 1:51:25 PM		VOC		1.276	1.276								
592-910760	7/12/2023 1:51:15 PM		VOC		1.285	1.285								
592-910760	7/12/2023 1:51:05 PM		VOC		1.288	1.288								
592-910760	7/12/2023 1:50:55 PM		VOC		1.283	1.283								

592-910760	7/12/2023 1:50:45 PM		VOC		1.28	1.28								
592-910760	7/12/2023 1:50:35 PM		VOC		1.283	1.283								
592-910760	7/12/2023 1:50:25 PM		VOC		1.282	1.282								
592-910760	7/12/2023 1:50:15 PM		VOC		1.282	1.282								
592-910760	7/12/2023 1:50:05 PM		VOC		1.28	1.28								
592-910760	7/12/2023 1:49:55 PM		VOC		1.285	1.285								
592-910760	7/12/2023 1:49:45 PM		VOC		1.287	1.287								
592-910760	7/12/2023 1:49:35 PM		VOC		1.285	1.285								
592-910760	7/12/2023 1:49:25 PM		VOC		1.104	1.104								
592-910760	7/12/2023 1:49:15 PM		VOC		1.148	1.148								
592-910760	7/12/2023 1:49:05 PM		VOC		1.245	1.245								
592-910760	7/12/2023 1:48:55 PM		VOC		1.313	1.313								
592-910760	7/12/2023 1:48:45 PM		VOC		1.319	1.319								
592-910760	7/12/2023 1:48:35 PM		VOC		1.32	1.32								
592-910760	7/12/2023 1:48:25 PM		VOC		1.321	1.321								
592-910760	7/12/2023 1:48:15 PM		VOC		1.325	1.325								
592-910760	7/12/2023 1:48:05 PM		VOC		1.327	1.327								
592-910760	7/12/2023 1:47:55 PM		VOC		1.326	1.326								
592-910760	7/12/2023 1:47:45 PM		VOC		1.326	1.326								
592-910760	7/12/2023 1:47:35 PM		VOC		1.326	1.326								
592-910760	7/12/2023 1:47:25 PM		VOC		1.326	1.326								
592-910760	7/12/2023 1:47:15 PM		VOC		1.323	1.323								
592-910760	7/12/2023 1:47:05 PM		VOC		1.327	1.327								
592-910760	7/12/2023 1:46:55 PM		VOC		1.328	1.328								
592-910760	7/12/2023 1:46:45 PM		VOC		1.327	1.327								
592-910760	7/12/2023 1:46:35 PM		VOC		1.33	1.33								
592-910760	7/12/2023 1:46:25 PM		VOC		1.346	1.346								
592-910760	7/12/2023 1:46:15 PM		VOC		1.338	1.338								
592-910760	7/12/2023 1:46:05 PM		VOC		1.362	1.362								
592-910760	7/12/2023 1:45:55 PM		VOC		1.376	1.376								
592-910760	7/12/2023 1:45:45 PM		VOC		1.339	1.339								
592-910760	7/12/2023 1:45:35 PM		VOC		1.345	1.345								
592-910760	7/12/2023 1:45:25 PM		VOC		1.347	1.347								
592-910760	7/12/2023 1:45:15 PM		VOC		1.344	1.344								
592-910760	7/12/2023 1:45:05 PM		VOC		1.349	1.349								
592-910760	7/12/2023 1:44:55 PM		VOC		1.353	1.353								
592-910760	7/12/2023 1:44:45 PM		VOC		1.36	1.36								
592-910760	7/12/2023 1:44:35 PM		VOC		1.366	1.366								
592-910760	7/12/2023 1:44:25 PM		VOC		1.366	1.366								
592-910760	7/12/2023 1:44:15 PM		VOC		1.367	1.367								
592-910760	7/12/2023 1:44:05 PM		VOC		1.37	1.37								
592-910760	7/12/2023 1:43:55 PM		VOC		1.379	1.379								
592-910760	7/12/2023 1:43:45 PM		VOC		1.37	1.37								
592-910760	7/12/2023 1:43:35 PM		VOC		1.387	1.387								
592-910760	7/12/2023 1:43:25 PM		VOC		1.392	1.392								
592-910760	7/12/2023 1:43:15 PM		VOC		1.396	1.396								
592-910760	7/12/2023 1:43:05 PM		VOC		1.395	1.395								
592-910760	7/12/2023 1:42:55 PM		VOC		1.4	1.4								
592-910760	7/12/2023 1:42:45 PM		VOC		1.403	1.403								
592-910760	7/12/2023 1:42:35 PM		VOC		1.406	1.406								
592-910760	7/12/2023 1:42:25 PM		VOC		1.398	1.398								
592-910760	7/12/2023 1:42:15 PM		VOC		1.411	1.411								
592-910760	7/12/2023 1:42:05 PM		VOC		1.416	1.416								
592-910760	7/12/2023 1:41:55 PM		VOC		1.416	1.416								
592-910760	7/12/2023 1:41:45 PM		VOC		1.36	1.36								
592-910760	7/12/2023 1:41:35 PM		VOC		1.259	1.259								
592-910760	7/12/2023 1:41:25 PM		VOC		1.256	1.256								
592-910760	7/12/2023 1:41:15 PM		VOC		1.434	1.434								
592-910760	7/12/2023 1:41:05 PM		VOC		1.44	1.44								
592-910760	7/12/2023 1:40:55 PM		VOC		1.445	1.445								
592-910760	7/12/2023 1:40:45 PM		VOC		1.454	1.454								
592-910760	7/12/2023 1:40:35 PM		VOC		1.451	1.451								
592-910760	7/12/2023 1:40:25 PM		VOC		1.424	1.424								
592-910760	7/12/2023 1:40:15 PM		VOC		1.358	1.358								
592-910760	7/12/2023 1:40:05 PM		VOC		1.454	1.454								
592-910760	7/12/2023 1:39:55 PM		VOC		1.458	1.458								
592-910760	7/12/2023 1:39:45 PM		VOC		1.452	1.452								
592-910760	7/12/2023 1:39:35 PM		VOC		1.451	1.451								
592-910760	7/12/2023 1:39:25 PM		VOC		1.441	1.441								
592-910760	7/12/2023 1:39:15 PM		VOC		1.296	1.296								
592-910760	7/12/2023 1:39:05 PM		VOC		1.403	1.403								
592-910760	7/12/2023 1:38:55 PM		VOC		1.51	1.51								
592-910760	7/12/2023 1:38:45 PM		VOC		1.466	1.466								
592-910760	7/12/2023 1:38:35 PM		VOC		1.467	1.467								
592-910760	7/12/2023 1:38:25 PM		VOC		1.471	1.471								
592-910760	7/12/2023 1:38:15 PM		VOC		1.48	1.48								
592-910760	7/12/2023 1:38:05 PM		VOC		1.493	1.493								
592-910760	7/12/2023 1:37:55 PM		VOC		1.385	1.385								
592-910760	7/12/2023 1:37:45 PM		VOC		1.462	1.462								
592-910760	7/12/2023 1:37:35 PM		VOC		1.426	1.426								
592-910760	7/12/2023 1:37:25 PM		VOC		1.474	1.474								
592-910760	7/12/2023 1:37:15 PM		VOC		1.482	1.482								
592-910760	7/12/2023 1:37:05 PM		VOC		1.477	1.477								
592-910760	7/12/2023 1:36:55 PM		VOC		1.483	1.483								
592-910760	7/12/2023 1:36:45 PM		VOC		1.482	1.482								
592-910760	7/12/2023 1:36:35 PM		VOC		1.364	1.364								
592-910760	7/12/2023 1:36:25 PM		VOC		1.48	1.48								
592-910760	7/12/2023 1:36:15 PM		VOC		1.485	1.485								
592-910760	7/12/2023 1:36:05 PM		VOC		1.485	1.485								
592-910760	7/12/2023 1:35:55 PM		VOC		1.485	1.485								
592-910760	7/12/2023 1:35:45 PM		VOC		1.488	1.488								
592-910760	7/12/2023 1:35:35 PM		VOC		1.484	1.484								
592-910760	7/12/2023 1:35:25 PM		VOC		1.484	1.484								
592-910760	7/12/2023 1:35:15 PM		VOC		1.484	1.484								
592-910760	7/12/2023 1:35:05 PM		VOC		1.485	1.485								
592-910760	7/12/2023 1:34:55 PM		VOC		1.489	1.489								
592-910760	7/12/2023 1:34:45 PM		VOC		1.49	1.49								
592-910760	7/12/2023 1:34:35 PM		VOC		1.49	1.49								
592-910760	7/12/2023 1:34:25 PM		VOC		1.488	1.488								
592-910760	7/12/2023 1:34:15 PM		VOC		1.488	1.488								
592-910760	7/12/2023 1:34:05 PM		VOC		1.488	1.488								

592-910760	7/12/2023 1:33:55 PM		VOC		1.487	1.487								
592-910760	7/12/2023 1:33:45 PM		VOC		1.491	1.491								
592-910760	7/12/2023 1:33:35 PM		VOC		1.493	1.493								
592-910760	7/12/2023 1:33:25 PM		VOC		1.492	1.492								
592-910760	7/12/2023 1:33:15 PM		VOC		1.485	1.485								
592-910760	7/12/2023 1:33:05 PM		VOC		1.486	1.486								
592-910760	7/12/2023 1:32:55 PM		VOC		1.483	1.483								
592-910760	7/12/2023 1:32:45 PM		VOC		1.481	1.481								
592-910760	7/12/2023 1:32:35 PM		VOC		1.479	1.479								
592-910760	7/12/2023 1:32:25 PM		VOC		1.479	1.479								
592-910760	7/12/2023 1:32:15 PM		VOC		1.479	1.479								
592-910760	7/12/2023 1:32:05 PM		VOC		1.48	1.48								
592-910760	7/12/2023 1:31:55 PM		VOC		1.476	1.476								
592-910760	7/12/2023 1:31:45 PM		VOC		1.477	1.477								
592-910760	7/12/2023 1:31:35 PM		VOC		1.477	1.477								
592-910760	7/12/2023 1:31:25 PM		VOC		1.475	1.475								
592-910760	7/12/2023 1:31:15 PM		VOC		1.476	1.476								
592-910760	7/12/2023 1:31:05 PM		VOC		1.477	1.477								
592-910760	7/12/2023 1:30:55 PM		VOC		1.479	1.479								
592-910760	7/12/2023 1:30:45 PM		VOC		1.484	1.484								
592-910760	7/12/2023 1:30:35 PM		VOC		1.499	1.499								
592-910760	7/12/2023 1:30:25 PM		VOC		1.576	1.576								
592-910760	7/12/2023 1:30:15 PM		VOC		1.468	1.468								
592-910760	7/12/2023 1:30:05 PM		VOC		1.472	1.472								
592-910760	7/12/2023 1:29:55 PM		VOC		1.475	1.475								
592-910760	7/12/2023 1:29:45 PM		VOC		1.323	1.323								
592-910760	7/12/2023 1:29:35 PM		VOC		1.423	1.423								
592-910760	7/12/2023 1:29:25 PM		VOC		1.628	1.628								
592-910760	7/12/2023 1:29:15 PM		VOC		1.464	1.464								
592-910760	7/12/2023 1:29:05 PM		VOC		1.457	1.457								
592-910760	7/12/2023 1:28:55 PM		VOC		1.453	1.453								
592-910760	7/12/2023 1:28:45 PM		VOC		1.449	1.449								
592-910760	7/12/2023 1:28:35 PM		VOC		1.453	1.453								
592-910760	7/12/2023 1:28:25 PM		VOC		1.45	1.45								
592-910760	7/12/2023 1:28:15 PM		VOC		1.449	1.449								
592-910760	7/12/2023 1:28:05 PM		VOC		1.448	1.448								
592-910760	7/12/2023 1:27:55 PM		VOC		1.444	1.444								
592-910760	7/12/2023 1:27:45 PM		VOC		1.449	1.449								
592-910760	7/12/2023 1:27:35 PM		VOC		1.454	1.454								
592-910760	7/12/2023 1:27:25 PM		VOC		1.415	1.415								
592-910760	7/12/2023 1:27:15 PM		VOC		1.452	1.452								
592-910760	7/12/2023 1:27:05 PM		VOC		1.431	1.431								
592-910760	7/12/2023 1:26:55 PM		VOC		1.421	1.421								
592-910760	7/12/2023 1:26:45 PM		VOC		1.411	1.411								
592-910760	7/12/2023 1:26:35 PM		VOC		1.412	1.412								
592-910760	7/12/2023 1:26:25 PM		VOC		1.408	1.408								
592-910760	7/12/2023 1:26:15 PM		VOC		1.402	1.402								
592-910760	7/12/2023 1:26:05 PM		VOC		1.389	1.389								
592-910760	7/12/2023 1:25:55 PM		VOC		1.384	1.384								
592-910760	7/12/2023 1:25:45 PM		VOC		1.379	1.379								
592-910760	7/12/2023 1:25:35 PM		VOC		1.379	1.379								
592-910760	7/12/2023 1:25:25 PM		VOC		1.379	1.379								
592-910760	7/12/2023 1:25:15 PM		VOC		1.371	1.371								
592-910760	7/12/2023 1:25:05 PM		VOC		1.367	1.367								
592-910760	7/12/2023 1:24:55 PM		VOC		1.367	1.367								
592-910760	7/12/2023 1:24:45 PM		VOC		1.362	1.362								
592-910760	7/12/2023 1:24:35 PM		VOC		1.362	1.362								
592-910760	7/12/2023 1:24:25 PM		VOC		1.354	1.354								
592-910760	7/12/2023 1:24:15 PM		VOC		1.342	1.342								
592-910760	7/12/2023 1:24:05 PM		VOC		1.343	1.343								
592-910760	7/12/2023 1:23:55 PM		VOC		1.341	1.341								
592-910760	7/12/2023 1:23:45 PM		VOC		1.332	1.332								
592-910760	7/12/2023 1:23:35 PM		VOC		1.322	1.322								
592-910760	7/12/2023 1:23:25 PM		VOC		1.316	1.316								
592-910760	7/12/2023 1:23:15 PM		VOC		1.32	1.32								
592-910760	7/12/2023 1:23:05 PM		VOC		1.322	1.322								
592-910760	7/12/2023 1:22:55 PM		VOC		1.313	1.313								
592-910760	7/12/2023 1:22:45 PM		VOC		1.305	1.305								
592-910760	7/12/2023 1:22:35 PM		VOC		1.298	1.298								
592-910760	7/12/2023 1:22:25 PM		VOC		1.3	1.3								
592-910760	7/12/2023 1:22:15 PM		VOC		1.292	1.292								
592-910760	7/12/2023 1:22:05 PM		VOC		1.329	1.329								
592-910760	7/12/2023 1:21:55 PM		VOC		1.274	1.274								
592-910760	7/12/2023 1:21:45 PM		VOC		1.265	1.265								
592-910760	7/12/2023 1:21:35 PM		VOC		1.265	1.265								
592-910760	7/12/2023 1:21:25 PM		VOC		1.262	1.262								
592-910760	7/12/2023 1:21:15 PM		VOC		1.252	1.252								
592-910760	7/12/2023 1:21:05 PM		VOC		1.251	1.251								
592-910760	7/12/2023 1:20:55 PM		VOC		1.247	1.247								
592-910760	7/12/2023 1:20:45 PM		VOC		1.242	1.242								
592-910760	7/12/2023 1:20:35 PM		VOC		1.242	1.242								
592-910760	7/12/2023 1:20:25 PM		VOC		1.233	1.233								
592-910760	7/12/2023 1:20:15 PM		VOC		1.224	1.224								
592-910760	7/12/2023 1:20:05 PM		VOC		1.225	1.225								
592-910760	7/12/2023 1:19:55 PM		VOC		1.224	1.224								
592-910760	7/12/2023 1:19:45 PM		VOC		1.222	1.222								
592-910760	7/12/2023 1:19:35 PM		VOC		1.209	1.209								
592-910760	7/12/2023 1:19:25 PM		VOC		1.199	1.199								
592-910760	7/12/2023 1:19:15 PM		VOC		1.197	1.197								
592-910760	7/12/2023 1:19:05 PM		VOC		1.196	1.196								
592-910760	7/12/2023 1:18:55 PM		VOC		1.186	1.186								
592-910760	7/12/2023 1:18:45 PM		VOC		1.181	1.181								
592-910760	7/12/2023 1:18:35 PM		VOC		1.181	1.181								
592-910760	7/12/2023 1:18:25 PM		VOC		1.178	1.178								
592-910760	7/12/2023 1:18:15 PM		VOC		1.168	1.168								
592-910760	7/12/2023 1:18:05 PM		VOC		1.161	1.161								
592-910760	7/12/2023 1:17:55 PM		VOC		1.161	1.161								
592-910760	7/12/2023 1:17:45 PM		VOC		1.153	1.153								
592-910760	7/12/2023 1:17:35 PM		VOC		1.147	1.147								
592-910760	7/12/2023 1:17:25 PM		VOC		1.146	1.146								
592-910760	7/12/2023 1:17:15 PM		VOC		1.141	1.141								

592-910760	7/12/2023 1:17:05 PM		VOC		1.138	1.138								
592-910760	7/12/2023 1:16:55 PM		VOC		1.139	1.139								
592-910760	7/12/2023 1:16:45 PM		VOC		1.135	1.135								
592-910760	7/12/2023 1:16:35 PM		VOC		1.126	1.126								
592-910760	7/12/2023 1:16:25 PM		VOC		1.123	1.123								
592-910760	7/12/2023 1:16:15 PM		VOC		1.117	1.117								
592-910760	7/12/2023 1:16:05 PM		VOC		1.112	1.112								
592-910760	7/12/2023 1:15:55 PM		VOC		1.11	1.11								
592-910760	7/12/2023 1:15:45 PM		VOC		1.103	1.103								
592-910760	7/12/2023 1:15:35 PM		VOC		1.1	1.1								
592-910760	7/12/2023 1:15:25 PM		VOC		1.099	1.099								
592-910760	7/12/2023 1:15:15 PM		VOC		1.097	1.097								
592-910760	7/12/2023 1:15:05 PM		VOC		1.085	1.085								
592-910760	7/12/2023 1:14:55 PM		VOC		1.085	1.085								
592-910760	7/12/2023 1:14:45 PM		VOC		1.075	1.075								
592-910760	7/12/2023 1:14:35 PM		VOC		1.071	1.071								
592-910760	7/12/2023 1:14:25 PM		VOC		1.06	1.06								
592-910760	7/12/2023 1:14:15 PM		VOC		1.058	1.058								
592-910760	7/12/2023 1:14:05 PM		VOC		1.057	1.057								
592-910760	7/12/2023 1:13:55 PM		VOC		1.036	1.036								
592-910760	7/12/2023 1:13:45 PM		VOC		1.044	1.044								
592-910760	7/12/2023 1:13:35 PM		VOC		1.043	1.043								
592-910760	7/12/2023 1:13:25 PM		VOC		1.035	1.035								
592-910760	7/12/2023 1:13:15 PM		VOC		0.99	0.99								
592-910760	7/12/2023 1:13:05 PM		VOC		1.049	1.049								
592-910760	7/12/2023 1:12:55 PM		VOC		0.939	0.939								
592-910760	7/12/2023 1:12:45 PM		VOC		0.963	0.963								
592-910760	7/12/2023 1:12:35 PM		VOC		1.05	1.05								
592-910760	7/12/2023 1:12:25 PM		VOC		0.981	0.981								
592-910760	7/12/2023 1:12:15 PM		VOC		0.94	0.94								
592-910760	7/12/2023 1:12:05 PM		VOC		0.782	0.782								
592-910760	7/12/2023 1:11:55 PM		VOC		1.28	1.28								
592-910760	7/12/2023 1:11:45 PM		VOC		1.005	1.005								
592-910760	7/12/2023 1:11:35 PM		VOC		1.026	1.026								
592-910760	7/12/2023 1:11:25 PM		VOC		0.965	0.965								
592-910760	7/12/2023 1:11:15 PM		VOC		1.092	1.092								
592-910760	7/12/2023 1:11:05 PM		VOC		1.054	1.054								
592-910760	7/12/2023 1:10:55 PM		VOC		1.079	1.079								
592-910760	7/12/2023 1:10:45 PM		VOC		1.083	1.083								
592-910760	7/12/2023 1:10:35 PM		VOC		1.093	1.093								
592-910760	7/12/2023 1:10:25 PM		VOC		1.093	1.093								
592-910760	7/12/2023 1:10:15 PM		VOC		1.099	1.099								
592-910760	7/12/2023 1:10:05 PM		VOC		1.101	1.101								
592-910760	7/12/2023 1:09:55 PM		VOC		1.103	1.103								
592-910760	7/12/2023 1:09:45 PM		VOC		1.104	1.104								
592-910760	7/12/2023 1:09:35 PM		VOC		1.107	1.107								
592-910760	7/12/2023 1:09:25 PM		VOC		1.106	1.106								
592-910760	7/12/2023 1:09:15 PM		VOC		1.108	1.108								
592-910760	7/12/2023 1:09:05 PM		VOC		1.112	1.112								
592-910760	7/12/2023 1:08:55 PM		VOC		1.115	1.115								
592-910760	7/12/2023 1:08:45 PM		VOC		1.115	1.115								
592-910760	7/12/2023 1:08:35 PM		VOC		1.119	1.119								
592-910760	7/12/2023 1:08:25 PM		VOC		1.118	1.118								
592-910760	7/12/2023 1:08:15 PM		VOC		1.117	1.117								
592-910760	7/12/2023 1:08:05 PM		VOC		1.119	1.119								
592-910760	7/12/2023 1:07:55 PM		VOC		1.118	1.118								
592-910760	7/12/2023 1:07:45 PM		VOC		1.118	1.118								
592-910760	7/12/2023 1:07:35 PM		VOC		1.118	1.118								
592-910760	7/12/2023 1:07:25 PM		VOC		1.117	1.117								
592-910760	7/12/2023 1:07:15 PM		VOC		1.116	1.116								
592-910760	7/12/2023 1:07:05 PM		VOC		1.118	1.118								
592-910760	7/12/2023 1:06:55 PM		VOC		1.116	1.116								
592-910760	7/12/2023 1:06:45 PM		VOC		1.123	1.123								
592-910760	7/12/2023 1:06:35 PM		VOC		1.122	1.122								
592-910760	7/12/2023 1:06:25 PM		VOC		1.121	1.121								
592-910760	7/12/2023 1:06:15 PM		VOC		1.122	1.122								
592-910760	7/12/2023 1:06:05 PM		VOC		1.116	1.116								
592-910760	7/12/2023 1:05:55 PM		VOC		1.12	1.12								
592-910760	7/12/2023 1:05:45 PM		VOC		1.127	1.127								
592-910760	7/12/2023 1:05:35 PM		VOC		1.111	1.111								
592-910760	7/12/2023 1:05:25 PM		VOC		1.134	1.134								
592-910760	7/12/2023 1:05:15 PM		VOC		1.133	1.133								
592-910760	7/12/2023 1:05:05 PM		VOC		1.139	1.139								
592-910760	7/12/2023 1:04:55 PM		VOC		1.134	1.134								
592-910760	7/12/2023 1:04:45 PM		VOC		1.096	1.096								
592-910760	7/12/2023 1:04:35 PM		VOC		1.124	1.124								
592-910760	7/12/2023 1:04:25 PM		VOC		1.155	1.155								
592-910760	7/12/2023 1:04:15 PM		VOC		1.152	1.152								
592-910760	7/12/2023 1:04:05 PM		VOC		1.14	1.14								
592-910760	7/12/2023 1:03:55 PM		VOC		1.133	1.133								
592-910760	7/12/2023 1:03:45 PM		VOC		1.14	1.14								
592-910760	7/12/2023 1:03:35 PM		VOC		0.893	0.893								
592-910760	7/12/2023 1:03:25 PM		VOC		1.074	1.074								
592-910760	7/12/2023 1:03:15 PM		VOC		1.177	1.177								
592-910760	7/12/2023 1:03:05 PM		VOC		1.182	1.182								
592-910760	7/12/2023 1:02:55 PM		VOC		1.182	1.182								
592-910760	7/12/2023 1:02:45 PM		VOC		1.181	1.181								
592-910760	7/12/2023 1:02:35 PM		VOC		1.183	1.183								
592-910760	7/12/2023 1:02:25 PM		VOC		1.181	1.181								
592-910760	7/12/2023 1:02:15 PM		VOC		1.183	1.183								
592-910760	7/12/2023 1:02:05 PM		VOC		1.182	1.182								
592-910760	7/12/2023 1:01:55 PM		VOC		1.182	1.182								
592-910760	7/12/2023 1:01:45 PM		VOC		1.181	1.181								
592-910760	7/12/2023 1:01:35 PM		VOC		1.182	1.182								
592-910760	7/12/2023 1:01:25 PM		VOC		1.184	1.184								
592-910760	7/12/2023 1:01:15 PM		VOC		1.17	1.17								
592-910760	7/12/2023 1:01:05 PM		VOC		1.187	1.187								
592-910760	7/12/2023 1:00:55 PM		VOC		1.184	1.184								
592-910760	7/12/2023 1:00:45 PM		VOC		1.184	1.184								
592-910760	7/12/2023 1:00:35 PM		VOC		1.186	1.186								
592-910760	7/12/2023 1:00:25 PM		VOC		1.186	1.186								

592-910760	7/12/2023 1:00:15 PM		VOC		1.186	1.186								
592-910760	7/12/2023 1:00:05 PM		VOC		1.184	1.184								
592-910760	7/12/2023 12:59:55 PM		VOC		1.187	1.187								
592-910760	7/12/2023 12:59:45 PM		VOC		1.184	1.184								
592-910760	7/12/2023 12:59:35 PM		VOC		1.19	1.19								
592-910760	7/12/2023 12:59:25 PM		VOC		1.192	1.192								
592-910760	7/12/2023 12:59:15 PM		VOC		1.135	1.135								
592-910760	7/12/2023 12:59:05 PM		VOC		1.069	1.069								
592-910760	7/12/2023 12:58:55 PM		VOC		1.208	1.208								
592-910760	7/12/2023 12:58:45 PM		VOC		1.21	1.21								
592-910760	7/12/2023 12:58:35 PM		VOC		1.215	1.215								
592-910760	7/12/2023 12:58:25 PM		VOC		1.227	1.227								
592-910760	7/12/2023 12:58:15 PM		VOC		1.234	1.234								
592-910760	7/12/2023 12:58:05 PM		VOC		1.234	1.234								
592-910760	7/12/2023 12:57:55 PM		VOC		1.235	1.235								
592-910760	7/12/2023 12:57:45 PM		VOC		1.224	1.224								
592-910760	7/12/2023 12:57:35 PM		VOC		1.236	1.236								
592-910760	7/12/2023 12:57:25 PM		VOC		1.232	1.232								
592-910760	7/12/2023 12:57:15 PM		VOC		1.229	1.229								
592-910760	7/12/2023 12:57:05 PM		VOC		1.241	1.241								
592-910760	7/12/2023 12:56:55 PM		VOC		1.243	1.243								
592-910760	7/12/2023 12:56:45 PM		VOC		1.241	1.241								
592-910760	7/12/2023 12:56:35 PM		VOC		1.239	1.239								
592-910760	7/12/2023 12:56:25 PM		VOC		1.239	1.239								
592-910760	7/12/2023 12:56:15 PM		VOC		1.242	1.242								
592-910760	7/12/2023 12:56:05 PM		VOC		1.24	1.24								
592-910760	7/12/2023 12:55:55 PM		VOC		1.193	1.193								
592-910760	7/12/2023 12:55:45 PM		VOC		1.196	1.196								
592-910760	7/12/2023 12:55:35 PM		VOC		1.25	1.25								
592-910760	7/12/2023 12:55:25 PM		VOC		1.251	1.251								
592-910760	7/12/2023 12:55:15 PM		VOC		1.251	1.251								
592-910760	7/12/2023 12:55:05 PM		VOC		1.251	1.251								
592-910760	7/12/2023 12:54:55 PM		VOC		1.248	1.248								
592-910760	7/12/2023 12:54:45 PM		VOC		1.197	1.197								
592-910760	7/12/2023 12:54:35 PM		VOC		1.242	1.242								
592-910760	7/12/2023 12:54:25 PM		VOC		1.251	1.251								
592-910760	7/12/2023 12:54:15 PM		VOC		1.261	1.261								
592-910760	7/12/2023 12:54:05 PM		VOC		1.268	1.268								
592-910760	7/12/2023 12:53:55 PM		VOC		1.261	1.261								
592-910760	7/12/2023 12:53:45 PM		VOC		1.258	1.258								
592-910760	7/12/2023 12:53:35 PM		VOC		1.259	1.259								
592-910760	7/12/2023 12:53:25 PM		VOC		1.259	1.259								
592-910760	7/12/2023 12:53:15 PM		VOC		1.259	1.259								
592-910760	7/12/2023 12:53:05 PM		VOC		1.258	1.258								
592-910760	7/12/2023 12:52:55 PM		VOC		1.259	1.259								
592-910760	7/12/2023 12:52:45 PM		VOC		1.264	1.264								
592-910760	7/12/2023 12:52:35 PM		VOC		1.261	1.261								
592-910760	7/12/2023 12:52:25 PM		VOC		1.256	1.256								
592-910760	7/12/2023 12:52:15 PM		VOC		1.239	1.239								
592-910760	7/12/2023 12:52:05 PM		VOC		1.114	1.114								
592-910760	7/12/2023 12:51:55 PM		VOC		0.995	0.995								
592-910760	7/12/2023 12:51:45 PM		VOC		1.278	1.278								
592-910760	7/12/2023 12:51:35 PM		VOC		1.276	1.276								
592-910760	7/12/2023 12:51:25 PM		VOC		1.168	1.168								
592-910760	7/12/2023 12:51:15 PM		VOC		1.165	1.165								
592-910760	7/12/2023 12:51:05 PM		VOC		1.299	1.299								
592-910760	7/12/2023 12:50:55 PM		VOC		1.305	1.305								
592-910760	7/12/2023 12:50:45 PM		VOC		1.306	1.306								
592-910760	7/12/2023 12:50:35 PM		VOC		1.309	1.309								
592-910760	7/12/2023 12:50:25 PM		VOC		1.31	1.31								
592-910760	7/12/2023 12:50:15 PM		VOC		1.314	1.314								
592-910760	7/12/2023 12:50:05 PM		VOC		1.316	1.316								
592-910760	7/12/2023 12:49:55 PM		VOC		1.316	1.316								
592-910760	7/12/2023 12:49:45 PM		VOC		1.318	1.318								
592-910760	7/12/2023 12:49:35 PM		VOC		1.32	1.32								
592-910760	7/12/2023 12:49:25 PM		VOC		1.325	1.325								
592-910760	7/12/2023 12:49:15 PM		VOC		1.327	1.327								
592-910760	7/12/2023 12:49:05 PM		VOC		1.329	1.329								
592-910760	7/12/2023 12:48:55 PM		VOC		1.33	1.33								
592-910760	7/12/2023 12:48:45 PM		VOC		1.331	1.331								
592-910760	7/12/2023 12:48:35 PM		VOC		1.331	1.331								
592-910760	7/12/2023 12:48:25 PM		VOC		1.334	1.334								
592-910760	7/12/2023 12:48:15 PM		VOC		1.335	1.335								
592-910760	7/12/2023 12:48:05 PM		VOC		1.335	1.335								
592-910760	7/12/2023 12:47:55 PM		VOC		1.336	1.336								
592-910760	7/12/2023 12:47:45 PM		VOC		1.336	1.336								
592-910760	7/12/2023 12:47:35 PM		VOC		1.333	1.333								
592-910760	7/12/2023 12:47:25 PM		VOC		1.334	1.334								
592-910760	7/12/2023 12:47:15 PM		VOC		1.32	1.32								
592-910760	7/12/2023 12:47:05 PM		VOC		1.342	1.342								
592-910760	7/12/2023 12:46:55 PM		VOC		1.34	1.34								
592-910760	7/12/2023 12:46:45 PM		VOC		1.345	1.345								
592-910760	7/12/2023 12:46:35 PM		VOC		1.341	1.341								
592-910760	7/12/2023 12:46:25 PM		VOC		1.332	1.332								
592-910760	7/12/2023 12:46:15 PM		VOC		1.34	1.34								
592-910760	7/12/2023 12:46:05 PM		VOC		1.325	1.325								
592-910760	7/12/2023 12:45:55 PM		VOC		1.121	1.121								
592-910760	7/12/2023 12:45:45 PM		VOC		1.018	1.018								
592-910760	7/12/2023 12:45:35 PM		VOC		1.353	1.353								
592-910760	7/12/2023 12:45:25 PM		VOC		1.35	1.35								
592-910760	7/12/2023 12:45:15 PM		VOC		1.351	1.351								
592-910760	7/12/2023 12:45:05 PM		VOC		1.35	1.35								
592-910760	7/12/2023 12:44:55 PM		VOC		1.348	1.348								
592-910760	7/12/2023 12:44:45 PM		VOC		1.345	1.345								
592-910760	7/12/2023 12:44:35 PM		VOC		1.348	1.348								
592-910760	7/12/2023 12:44:25 PM		VOC		1.349	1.349								
592-910760	7/12/2023 12:44:15 PM		VOC		1.35	1.35								
592-910760	7/12/2023 12:44:05 PM		VOC		1.35	1.35								
592-910760	7/12/2023 12:43:55 PM		VOC		1.351	1.351								
592-910760	7/12/2023 12:43:45 PM		VOC		1.348	1.348								
592-910760	7/12/2023 12:43:35 PM		VOC		1.348	1.348								

592-910760	7/12/2023 12:43:25 PM		VOC		1.346	1.346								
592-910760	7/12/2023 12:43:15 PM		VOC		1.344	1.344								
592-910760	7/12/2023 12:43:05 PM		VOC		1.343	1.343								
592-910760	7/12/2023 12:42:55 PM		VOC		1.338	1.338								
592-910760	7/12/2023 12:42:45 PM		VOC		1.34	1.34								
592-910760	7/12/2023 12:42:35 PM		VOC		1.343	1.343								
592-910760	7/12/2023 12:42:25 PM		VOC		1.345	1.345								
592-910760	7/12/2023 12:42:15 PM		VOC		1.349	1.349								
592-910760	7/12/2023 12:42:05 PM		VOC		1.326	1.326								
592-910760	7/12/2023 12:41:55 PM		VOC		1.348	1.348								
592-910760	7/12/2023 12:41:45 PM		VOC		1.344	1.344								
592-910760	7/12/2023 12:41:35 PM		VOC		1.342	1.342								
592-910760	7/12/2023 12:41:25 PM		VOC		1.342	1.342								
592-910760	7/12/2023 12:41:15 PM		VOC		1.342	1.342								
592-910760	7/12/2023 12:41:05 PM		VOC		1.34	1.34								
592-910760	7/12/2023 12:40:55 PM		VOC		1.338	1.338								
592-910760	7/12/2023 12:40:45 PM		VOC		1.34	1.34								
592-910760	7/12/2023 12:40:35 PM		VOC		1.341	1.341								
592-910760	7/12/2023 12:40:25 PM		VOC		1.341	1.341								
592-910760	7/12/2023 12:40:15 PM		VOC		1.342	1.342								
592-910760	7/12/2023 12:40:05 PM		VOC		1.342	1.342								
592-910760	7/12/2023 12:39:55 PM		VOC		1.339	1.339								
592-910760	7/12/2023 12:39:45 PM		VOC		1.339	1.339								
592-910760	7/12/2023 12:39:35 PM		VOC		1.341	1.341								
592-910760	7/12/2023 12:39:25 PM		VOC		1.339	1.339								
592-910760	7/12/2023 12:39:15 PM		VOC		1.339	1.339								
592-910760	7/12/2023 12:39:05 PM		VOC		1.338	1.338								
592-910760	7/12/2023 12:38:55 PM		VOC		1.335	1.335								
592-910760	7/12/2023 12:38:45 PM		VOC		1.335	1.335								
592-910760	7/12/2023 12:38:35 PM		VOC		1.336	1.336								
592-910760	7/12/2023 12:38:25 PM		VOC		1.333	1.333								
592-910760	7/12/2023 12:38:15 PM		VOC		1.332	1.332								
592-910760	7/12/2023 12:38:05 PM		VOC		1.319	1.319								
592-910760	7/12/2023 12:37:55 PM		VOC		1.161	1.161								
592-910760	7/12/2023 12:37:45 PM		VOC		1.31	1.31								
592-910760	7/12/2023 12:37:35 PM		VOC		1.344	1.344								
592-910760	7/12/2023 12:37:25 PM		VOC		1.323	1.323								
592-910760	7/12/2023 12:37:15 PM		VOC		1.354	1.354								
592-910760	7/12/2023 12:37:05 PM		VOC		1.351	1.351								
592-910760	7/12/2023 12:36:55 PM		VOC		1.35	1.35								
592-910760	7/12/2023 12:36:45 PM		VOC		1.351	1.351								
592-910760	7/12/2023 12:36:35 PM		VOC		1.351	1.351								
592-910760	7/12/2023 12:36:25 PM		VOC		1.354	1.354								
592-910760	7/12/2023 12:36:15 PM		VOC		1.35	1.35								
592-910760	7/12/2023 12:36:05 PM		VOC		1.356	1.356								
592-910760	7/12/2023 12:35:55 PM		VOC		1.35	1.35								
592-910760	7/12/2023 12:35:45 PM		VOC		1.35	1.35								
592-910760	7/12/2023 12:35:35 PM		VOC		1.354	1.354								
592-910760	7/12/2023 12:35:25 PM		VOC		1.359	1.359								
592-910760	7/12/2023 12:35:15 PM		VOC		1.285	1.285								
592-910760	7/12/2023 12:35:05 PM		VOC		1.361	1.361								
592-910760	7/12/2023 12:34:55 PM		VOC		1.361	1.361								
592-910760	7/12/2023 12:34:45 PM		VOC		1.361	1.361								
592-910760	7/12/2023 12:34:35 PM		VOC		1.361	1.361								
592-910760	7/12/2023 12:34:25 PM		VOC		1.363	1.363								
592-910760	7/12/2023 12:34:15 PM		VOC		1.365	1.365								
592-910760	7/12/2023 12:34:05 PM		VOC		1.369	1.369								
592-910760	7/12/2023 12:33:55 PM		VOC		1.381	1.381								
592-910760	7/12/2023 12:33:45 PM		VOC		1.394	1.394								
592-910760	7/12/2023 12:33:35 PM		VOC		1.384	1.384								
592-910760	7/12/2023 12:33:25 PM		VOC		1.371	1.371								
592-910760	7/12/2023 12:33:15 PM		VOC		1.342	1.342								
592-910760	7/12/2023 12:33:05 PM		VOC		1.36	1.36								
592-910760	7/12/2023 12:32:55 PM		VOC		1.36	1.36								
592-910760	7/12/2023 12:32:45 PM		VOC		1.357	1.357								
592-910760	7/12/2023 12:32:35 PM		VOC		1.356	1.356								
592-910760	7/12/2023 12:32:25 PM		VOC		1.355	1.355								
592-910760	7/12/2023 12:32:15 PM		VOC		1.354	1.354								
592-910760	7/12/2023 12:32:05 PM		VOC		1.351	1.351								
592-910760	7/12/2023 12:31:55 PM		VOC		1.349	1.349								
592-910760	7/12/2023 12:31:45 PM		VOC		1.351	1.351								
592-910760	7/12/2023 12:31:35 PM		VOC		1.35	1.35								
592-910760	7/12/2023 12:31:25 PM		VOC		1.35	1.35								
592-910760	7/12/2023 12:31:15 PM		VOC		1.347	1.347								
592-910760	7/12/2023 12:31:05 PM		VOC		1.344	1.344								
592-910760	7/12/2023 12:30:55 PM		VOC		1.344	1.344								
592-910760	7/12/2023 12:30:45 PM		VOC		1.342	1.342								
592-910760	7/12/2023 12:30:35 PM		VOC		1.345	1.345								
592-910760	7/12/2023 12:30:25 PM		VOC		1.344	1.344								
592-910760	7/12/2023 12:30:15 PM		VOC		1.338	1.338								
592-910760	7/12/2023 12:30:05 PM		VOC		1.338	1.338								
592-910760	7/12/2023 12:29:55 PM		VOC		1.334	1.334								
592-910760	7/12/2023 12:29:45 PM		VOC		1.33	1.33								
592-910760	7/12/2023 12:29:35 PM		VOC		1.334	1.334								
592-910760	7/12/2023 12:29:25 PM		VOC		1.334	1.334								
592-910760	7/12/2023 12:29:15 PM		VOC		1.324	1.324								
592-910760	7/12/2023 12:29:05 PM		VOC		1.328	1.328								
592-910760	7/12/2023 12:28:55 PM		VOC		1.325	1.325								
592-910760	7/12/2023 12:28:45 PM		VOC		1.323	1.323								
592-910760	7/12/2023 12:28:35 PM		VOC		1.328	1.328								
592-910760	7/12/2023 12:28:25 PM		VOC		1.324	1.324								
592-910760	7/12/2023 12:28:15 PM		VOC		1.323	1.323								
592-910760	7/12/2023 12:28:05 PM		VOC		1.328	1.328								
592-910760	7/12/2023 12:27:55 PM		VOC		1.33	1.33								
592-910760	7/12/2023 12:27:45 PM		VOC		1.294	1.294								
592-910760	7/12/2023 12:27:35 PM		VOC		1.317	1.317								
592-910760	7/12/2023 12:27:25 PM		VOC		1.314	1.314								
592-910760	7/12/2023 12:27:15 PM		VOC		1.313	1.313								
592-910760	7/12/2023 12:27:05 PM		VOC		1.311	1.311								
592-910760	7/12/2023 12:26:55 PM		VOC		1.312	1.312								
592-910760	7/12/2023 12:26:45 PM		VOC		1.311	1.311								

592-910760	7/12/2023 12:26:35 PM		VOC		1.314	1.314								
592-910760	7/12/2023 12:26:25 PM		VOC		1.317	1.317								
592-910760	7/12/2023 12:26:15 PM		VOC		1.31	1.31								
592-910760	7/12/2023 12:26:05 PM		VOC		1.312	1.312								
592-910760	7/12/2023 12:25:55 PM		VOC		1.315	1.315								
592-910760	7/12/2023 12:25:45 PM		VOC		1.317	1.317								
592-910760	7/12/2023 12:25:35 PM		VOC		1.314	1.314								
592-910760	7/12/2023 12:25:25 PM		VOC		1.312	1.312								
592-910760	7/12/2023 12:25:15 PM		VOC		1.308	1.308								
592-910760	7/12/2023 12:25:05 PM		VOC		1.31	1.31								
592-910760	7/12/2023 12:24:55 PM		VOC		1.309	1.309								
592-910760	7/12/2023 12:24:45 PM		VOC		1.307	1.307								
592-910760	7/12/2023 12:24:35 PM		VOC		1.316	1.316								
592-910760	7/12/2023 12:24:25 PM		VOC		1.335	1.335								
592-910760	7/12/2023 12:24:15 PM		VOC		1.362	1.362								
592-910760	7/12/2023 12:24:05 PM		VOC		1.302	1.302								
592-910760	7/12/2023 12:23:55 PM		VOC		1.305	1.305								
592-910760	7/12/2023 12:23:45 PM		VOC		1.307	1.307								
592-910760	7/12/2023 12:23:35 PM		VOC		1.303	1.303								
592-910760	7/12/2023 12:23:25 PM		VOC		1.306	1.306								
592-910760	7/12/2023 12:23:15 PM		VOC		1.302	1.302								
592-910760	7/12/2023 12:23:05 PM		VOC		1.3	1.3								
592-910760	7/12/2023 12:22:55 PM		VOC		1.299	1.299								
592-910760	7/12/2023 12:22:45 PM		VOC		1.3	1.3								
592-910760	7/12/2023 12:22:35 PM		VOC		1.297	1.297								
592-910760	7/12/2023 12:22:25 PM		VOC		1.296	1.296								
592-910760	7/12/2023 12:22:15 PM		VOC		1.298	1.298								
592-910760	7/12/2023 12:22:05 PM		VOC		1.302	1.302								
592-910760	7/12/2023 12:21:55 PM		VOC		1.196	1.196								
592-910760	7/12/2023 12:21:45 PM		VOC		1.278	1.278								
592-910760	7/12/2023 12:21:35 PM		VOC		1.288	1.288								
592-910760	7/12/2023 12:21:25 PM		VOC		1.287	1.287								
592-910760	7/12/2023 12:21:15 PM		VOC		1.286	1.286								
592-910760	7/12/2023 12:21:05 PM		VOC		1.286	1.286								
592-910760	7/12/2023 12:20:55 PM		VOC		1.287	1.287								
592-910760	7/12/2023 12:20:45 PM		VOC		1.283	1.283								
592-910760	7/12/2023 12:20:35 PM		VOC		1.278	1.278								
592-910760	7/12/2023 12:20:25 PM		VOC		1.282	1.282								
592-910760	7/12/2023 12:20:15 PM		VOC		1.279	1.279								
592-910760	7/12/2023 12:20:05 PM		VOC		1.275	1.275								
592-910760	7/12/2023 12:19:55 PM		VOC		1.273	1.273								
592-910760	7/12/2023 12:19:45 PM		VOC		1.268	1.268								
592-910760	7/12/2023 12:19:35 PM		VOC		1.269	1.269								
592-910760	7/12/2023 12:19:25 PM		VOC		1.269	1.269								
592-910760	7/12/2023 12:19:15 PM		VOC		1.271	1.271								
592-910760	7/12/2023 12:19:05 PM		VOC		1.267	1.267								
592-910760	7/12/2023 12:18:55 PM		VOC		1.263	1.263								
592-910760	7/12/2023 12:18:45 PM		VOC		1.266	1.266								
592-910760	7/12/2023 12:18:35 PM		VOC		1.262	1.262								
592-910760	7/12/2023 12:18:25 PM		VOC		1.261	1.261								
592-910760	7/12/2023 12:18:15 PM		VOC		1.261	1.261								
592-910760	7/12/2023 12:18:05 PM		VOC		1.258	1.258								
592-910760	7/12/2023 12:17:55 PM		VOC		1.256	1.256								
592-910760	7/12/2023 12:17:45 PM		VOC		1.257	1.257								
592-910760	7/12/2023 12:17:35 PM		VOC		1.255	1.255								
592-910760	7/12/2023 12:17:25 PM		VOC		1.255	1.255								
592-910760	7/12/2023 12:17:15 PM		VOC		1.252	1.252								
592-910760	7/12/2023 12:17:05 PM		VOC		1.253	1.253								
592-910760	7/12/2023 12:16:55 PM		VOC		1.25	1.25								
592-910760	7/12/2023 12:16:45 PM		VOC		1.244	1.244								
592-910760	7/12/2023 12:16:35 PM		VOC		1.245	1.245								
592-910760	7/12/2023 12:16:25 PM		VOC		1.239	1.239								
592-910760	7/12/2023 12:16:15 PM		VOC		1.239	1.239								
592-910760	7/12/2023 12:16:05 PM		VOC		1.238	1.238								
592-910760	7/12/2023 12:15:55 PM		VOC		1.235	1.235								
592-910760	7/12/2023 12:15:45 PM		VOC		1.237	1.237								
592-910760	7/12/2023 12:15:35 PM		VOC		1.236	1.236								
592-910760	7/12/2023 12:15:25 PM		VOC		1.232	1.232								
592-910760	7/12/2023 12:15:15 PM		VOC		1.23	1.23								
592-910760	7/12/2023 12:15:05 PM		VOC		1.228	1.228								
592-910760	7/12/2023 12:14:55 PM		VOC		1.23	1.23								
592-910760	7/12/2023 12:14:45 PM		VOC		1.227	1.227								
592-910760	7/12/2023 12:14:35 PM		VOC		1.224	1.224								
592-910760	7/12/2023 12:14:25 PM		VOC		1.222	1.222								
592-910760	7/12/2023 12:14:15 PM		VOC		1.222	1.222								
592-910760	7/12/2023 12:14:05 PM		VOC		1.217	1.217								
592-910760	7/12/2023 12:13:55 PM		VOC		1.217	1.217								
592-910760	7/12/2023 12:13:45 PM		VOC		1.219	1.219								
592-910760	7/12/2023 12:13:35 PM		VOC		1.219	1.219								
592-910760	7/12/2023 12:13:25 PM		VOC		1.219	1.219								
592-910760	7/12/2023 12:13:15 PM		VOC		1.219	1.219								
592-910760	7/12/2023 12:13:05 PM		VOC		1.218	1.218								
592-910760	7/12/2023 12:12:55 PM		VOC		1.216	1.216								
592-910760	7/12/2023 12:12:45 PM		VOC		1.215	1.215								
592-910760	7/12/2023 12:12:35 PM		VOC		1.214	1.214								
592-910760	7/12/2023 12:12:25 PM		VOC		1.214	1.214								
592-910760	7/12/2023 12:12:15 PM		VOC		1.214	1.214								
592-910760	7/12/2023 12:12:05 PM		VOC		1.216	1.216								
592-910760	7/12/2023 12:11:55 PM		VOC		1.218	1.218								
592-910760	7/12/2023 12:11:45 PM		VOC		1.217	1.217								
592-910760	7/12/2023 12:11:35 PM		VOC		1.218	1.218								
592-910760	7/12/2023 12:11:25 PM		VOC		1.221	1.221								
592-910760	7/12/2023 12:11:15 PM		VOC		1.219	1.219								
592-910760	7/12/2023 12:11:05 PM		VOC		1.219	1.219								
592-910760	7/12/2023 12:10:55 PM		VOC		1.22	1.22								
592-910760	7/12/2023 12:10:45 PM		VOC		1.221	1.221								
592-910760	7/12/2023 12:10:35 PM		VOC		1.221	1.221								
592-910760	7/12/2023 12:10:25 PM		VOC		1.221	1.221								
592-910760	7/12/2023 12:10:15 PM		VOC		1.221	1.221								
592-910760	7/12/2023 12:10:05 PM		VOC		1.222	1.222								
592-910760	7/12/2023 12:09:55 PM		VOC		1.223	1.223								

592-910760	7/12/2023 12:09:45 PM		VOC		1.225	1.225								
592-910760	7/12/2023 12:09:35 PM		VOC		1.225	1.225								
592-910760	7/12/2023 12:09:25 PM		VOC		1.225	1.225								
592-910760	7/12/2023 12:09:15 PM		VOC		1.225	1.225								
592-910760	7/12/2023 12:09:05 PM		VOC		1.226	1.226								
592-910760	7/12/2023 12:08:55 PM		VOC		1.227	1.227								
592-910760	7/12/2023 12:08:45 PM		VOC		1.227	1.227								
592-910760	7/12/2023 12:08:35 PM		VOC		1.227	1.227								
592-910760	7/12/2023 12:08:25 PM		VOC		1.228	1.228								
592-910760	7/12/2023 12:08:15 PM		VOC		1.23	1.23								
592-910760	7/12/2023 12:08:05 PM		VOC		1.23	1.23								
592-910760	7/12/2023 12:07:55 PM		VOC		1.23	1.23								
592-910760	7/12/2023 12:07:45 PM		VOC		1.233	1.233								
592-910760	7/12/2023 12:07:35 PM		VOC		1.233	1.233								
592-910760	7/12/2023 12:07:25 PM		VOC		1.233	1.233								
592-910760	7/12/2023 12:07:15 PM		VOC		1.233	1.233								
592-910760	7/12/2023 12:07:05 PM		VOC		1.233	1.233								
592-910760	7/12/2023 12:06:55 PM		VOC		1.235	1.235								
592-910760	7/12/2023 12:06:45 PM		VOC		1.236	1.236								
592-910760	7/12/2023 12:06:35 PM		VOC		1.236	1.236								
592-910760	7/12/2023 12:06:25 PM		VOC		1.236	1.236								
592-910760	7/12/2023 12:06:15 PM		VOC		1.236	1.236								
592-910760	7/12/2023 12:06:05 PM		VOC		1.238	1.238								
592-910760	7/12/2023 12:05:55 PM		VOC		1.236	1.236								
592-910760	7/12/2023 12:05:45 PM		VOC		1.235	1.235								
592-910760	7/12/2023 12:05:35 PM		VOC		1.236	1.236								
592-910760	7/12/2023 12:05:25 PM		VOC		1.239	1.239								
592-910760	7/12/2023 12:05:15 PM		VOC		1.242	1.242								
592-910760	7/12/2023 12:05:05 PM		VOC		1.24	1.24								
592-910760	7/12/2023 12:04:55 PM		VOC		1.24	1.24								
592-910760	7/12/2023 12:04:45 PM		VOC		1.24	1.24								
592-910760	7/12/2023 12:04:35 PM		VOC		1.242	1.242								
592-910760	7/12/2023 12:04:25 PM		VOC		1.239	1.239								
592-910760	7/12/2023 12:04:15 PM		VOC		1.239	1.239								
592-910760	7/12/2023 12:04:05 PM		VOC		1.238	1.238								
592-910760	7/12/2023 12:03:55 PM		VOC		1.241	1.241								
592-910760	7/12/2023 12:03:45 PM		VOC		1.243	1.243								
592-910760	7/12/2023 12:03:35 PM		VOC		1.243	1.243								
592-910760	7/12/2023 12:03:25 PM		VOC		1.246	1.246								
592-910760	7/12/2023 12:03:15 PM		VOC		1.245	1.245								
592-910760	7/12/2023 12:03:05 PM		VOC		1.247	1.247								
592-910760	7/12/2023 12:02:55 PM		VOC		1.246	1.246								
592-910760	7/12/2023 12:02:45 PM		VOC		1.246	1.246								
592-910760	7/12/2023 12:02:35 PM		VOC		1.246	1.246								
592-910760	7/12/2023 12:02:25 PM		VOC		1.247	1.247								
592-910760	7/12/2023 12:02:15 PM		VOC		1.247	1.247								
592-910760	7/12/2023 12:02:05 PM		VOC		1.246	1.246								
592-910760	7/12/2023 12:01:55 PM		VOC		1.246	1.246								
592-910760	7/12/2023 12:01:45 PM		VOC		1.247	1.247								
592-910760	7/12/2023 12:01:35 PM		VOC		1.246	1.246								
592-910760	7/12/2023 12:01:25 PM		VOC		1.248	1.248								
592-910760	7/12/2023 12:01:15 PM		VOC		1.25	1.25								
592-910760	7/12/2023 12:01:05 PM		VOC		1.251	1.251								
592-910760	7/12/2023 12:00:55 PM		VOC		1.249	1.249								
592-910760	7/12/2023 12:00:45 PM		VOC		1.251	1.251								
592-910760	7/12/2023 12:00:35 PM		VOC		1.252	1.252								
592-910760	7/12/2023 12:00:25 PM		VOC		1.252	1.252								
592-910760	7/12/2023 12:00:15 PM		VOC		1.251	1.251								
592-910760	7/12/2023 12:00:05 PM		VOC		1.252	1.252								
592-910760	7/12/2023 11:59:55 AM		VOC		1.253	1.253								
592-910760	7/12/2023 11:59:45 AM		VOC		1.257	1.257								
592-910760	7/12/2023 11:59:35 AM		VOC		1.254	1.254								
592-910760	7/12/2023 11:59:25 AM		VOC		1.254	1.254								
592-910760	7/12/2023 11:59:15 AM		VOC		1.256	1.256								
592-910760	7/12/2023 11:59:05 AM		VOC		1.257	1.257								
592-910760	7/12/2023 11:58:55 AM		VOC		1.256	1.256								
592-910760	7/12/2023 11:58:45 AM		VOC		1.26	1.26								
592-910760	7/12/2023 11:58:35 AM		VOC		1.265	1.265								
592-910760	7/12/2023 11:58:25 AM		VOC		1.199	1.199								
592-910760	7/12/2023 11:58:15 AM		VOC		1.214	1.214								
592-910760	7/12/2023 11:58:05 AM		VOC		1.261	1.261								
592-910760	7/12/2023 11:57:55 AM		VOC		1.262	1.262								
592-910760	7/12/2023 11:57:45 AM		VOC		1.265	1.265								
592-910760	7/12/2023 11:57:35 AM		VOC		1.264	1.264								
592-910760	7/12/2023 11:57:25 AM		VOC		1.265	1.265								
592-910760	7/12/2023 11:57:15 AM		VOC		1.265	1.265								
592-910760	7/12/2023 11:57:05 AM		VOC		1.268	1.268								
592-910760	7/12/2023 11:56:55 AM		VOC		1.266	1.266								
592-910760	7/12/2023 11:56:45 AM		VOC		1.268	1.268								
592-910760	7/12/2023 11:56:35 AM		VOC		1.269	1.269								
592-910760	7/12/2023 11:56:25 AM		VOC		1.271	1.271								
592-910760	7/12/2023 11:56:15 AM		VOC		1.271	1.271								
592-910760	7/12/2023 11:56:05 AM		VOC		1.269	1.269								
592-910760	7/12/2023 11:55:55 AM		VOC		1.273	1.273								
592-910760	7/12/2023 11:55:45 AM		VOC		1.274	1.274								
592-910760	7/12/2023 11:55:35 AM		VOC		1.275	1.275								
592-910760	7/12/2023 11:55:25 AM		VOC		1.274	1.274								
592-910760	7/12/2023 11:55:15 AM		VOC		1.275	1.275								
592-910760	7/12/2023 11:55:05 AM		VOC		1.275	1.275								
592-910760	7/12/2023 11:54:55 AM		VOC		1.276	1.276								
592-910760	7/12/2023 11:54:45 AM		VOC		1.276	1.276								
592-910760	7/12/2023 11:54:35 AM		VOC		1.277	1.277								
592-910760	7/12/2023 11:54:25 AM		VOC		1.276	1.276								
592-910760	7/12/2023 11:54:15 AM		VOC		1.277	1.277								
592-910760	7/12/2023 11:54:05 AM		VOC		1.278	1.278								
592-910760	7/12/2023 11:53:55 AM		VOC		1.278	1.278								
592-910760	7/12/2023 11:53:45 AM		VOC		1.28	1.28								
592-910760	7/12/2023 11:53:35 AM		VOC		1.278	1.278								
592-910760	7/12/2023 11:53:25 AM		VOC		1.28	1.28								
592-910760	7/12/2023 11:53:15 AM		VOC		1.279	1.279								
592-910760	7/12/2023 11:53:05 AM		VOC		1.279	1.279								

592-910760	7/12/2023 11:52:55 AM		VOC		1.281	1.281								
592-910760	7/12/2023 11:52:45 AM		VOC		1.278	1.278								
592-910760	7/12/2023 11:52:35 AM		VOC		1.277	1.277								
592-910760	7/12/2023 11:52:25 AM		VOC		1.278	1.278								
592-910760	7/12/2023 11:52:15 AM		VOC		1.28	1.28								
592-910760	7/12/2023 11:52:05 AM		VOC		1.28	1.28								
592-910760	7/12/2023 11:51:55 AM		VOC		1.281	1.281								
592-910760	7/12/2023 11:51:45 AM		VOC		1.281	1.281								
592-910760	7/12/2023 11:51:35 AM		VOC		1.279	1.279								
592-910760	7/12/2023 11:51:25 AM		VOC		1.282	1.282								
592-910760	7/12/2023 11:51:15 AM		VOC		1.285	1.285								
592-910760	7/12/2023 11:51:05 AM		VOC		1.284	1.284								
592-910760	7/12/2023 11:50:55 AM		VOC		1.281	1.281								
592-910760	7/12/2023 11:50:45 AM		VOC		1.284	1.284								
592-910760	7/12/2023 11:50:35 AM		VOC		1.284	1.284								
592-910760	7/12/2023 11:50:25 AM		VOC		1.283	1.283								
592-910760	7/12/2023 11:50:15 AM		VOC		1.283	1.283								
592-910760	7/12/2023 11:50:05 AM		VOC		1.283	1.283								
592-910760	7/12/2023 11:49:55 AM		VOC		1.282	1.282								
592-910760	7/12/2023 11:49:45 AM		VOC		1.283	1.283								
592-910760	7/12/2023 11:49:35 AM		VOC		1.283	1.283								
592-910760	7/12/2023 11:49:25 AM		VOC		1.284	1.284								
592-910760	7/12/2023 11:49:15 AM		VOC		1.287	1.287								
592-910760	7/12/2023 11:49:05 AM		VOC		1.285	1.285								
592-910760	7/12/2023 11:48:55 AM		VOC		1.282	1.282								
592-910760	7/12/2023 11:48:45 AM		VOC		1.284	1.284								
592-910760	7/12/2023 11:48:35 AM		VOC		1.285	1.285								
592-910760	7/12/2023 11:48:25 AM		VOC		1.289	1.289								
592-910760	7/12/2023 11:48:15 AM		VOC		1.289	1.289								
592-910760	7/12/2023 11:48:05 AM		VOC		1.289	1.289								
592-910760	7/12/2023 11:47:55 AM		VOC		1.286	1.286								
592-910760	7/12/2023 11:47:45 AM		VOC		1.288	1.288								
592-910760	7/12/2023 11:47:35 AM		VOC		1.289	1.289								
592-910760	7/12/2023 11:47:25 AM		VOC		1.29	1.29								
592-910760	7/12/2023 11:47:15 AM		VOC		1.289	1.289								
592-910760	7/12/2023 11:47:05 AM		VOC		1.289	1.289								
592-910760	7/12/2023 11:46:55 AM		VOC		1.289	1.289								
592-910760	7/12/2023 11:46:45 AM		VOC		1.288	1.288								
592-910760	7/12/2023 11:46:35 AM		VOC		1.285	1.285								
592-910760	7/12/2023 11:46:25 AM		VOC		1.284	1.284								
592-910760	7/12/2023 11:46:15 AM		VOC		1.288	1.288								
592-910760	7/12/2023 11:46:05 AM		VOC		1.288	1.288								
592-910760	7/12/2023 11:45:55 AM		VOC		1.289	1.289								
592-910760	7/12/2023 11:45:45 AM		VOC		1.289	1.289								
592-910760	7/12/2023 11:45:35 AM		VOC		1.285	1.285								
592-910760	7/12/2023 11:45:25 AM		VOC		1.284	1.284								
592-910760	7/12/2023 11:45:15 AM		VOC		1.289	1.289								
592-910760	7/12/2023 11:45:05 AM		VOC		1.288	1.288								
592-910760	7/12/2023 11:44:55 AM		VOC		1.288	1.288								
592-910760	7/12/2023 11:44:45 AM		VOC		1.286	1.286								
592-910760	7/12/2023 11:44:35 AM		VOC		1.285	1.285								
592-910760	7/12/2023 11:44:25 AM		VOC		1.287	1.287								
592-910760	7/12/2023 11:44:15 AM		VOC		1.288	1.288								
592-910760	7/12/2023 11:44:05 AM		VOC		1.288	1.288								
592-910760	7/12/2023 11:43:55 AM		VOC		1.286	1.286								
592-910760	7/12/2023 11:43:45 AM		VOC		1.29	1.29								
592-910760	7/12/2023 11:43:35 AM		VOC		1.288	1.288								
592-910760	7/12/2023 11:43:25 AM		VOC		1.287	1.287								
592-910760	7/12/2023 11:43:15 AM		VOC		1.288	1.288								
592-910760	7/12/2023 11:43:05 AM		VOC		1.287	1.287								
592-910760	7/12/2023 11:42:55 AM		VOC		1.284	1.284								
592-910760	7/12/2023 11:42:45 AM		VOC		1.283	1.283								
592-910760	7/12/2023 11:42:35 AM		VOC		1.286	1.286								
592-910760	7/12/2023 11:42:25 AM		VOC		1.287	1.287								
592-910760	7/12/2023 11:42:15 AM		VOC		1.285	1.285								
592-910760	7/12/2023 11:42:05 AM		VOC		1.285	1.285								
592-910760	7/12/2023 11:41:55 AM		VOC		1.284	1.284								
592-910760	7/12/2023 11:41:45 AM		VOC		1.284	1.284								
592-910760	7/12/2023 11:41:35 AM		VOC		1.286	1.286								
592-910760	7/12/2023 11:41:25 AM		VOC		1.285	1.285								
592-910760	7/12/2023 11:41:15 AM		VOC		1.282	1.282								
592-910760	7/12/2023 11:41:05 AM		VOC		1.282	1.282								
592-910760	7/12/2023 11:40:55 AM		VOC		1.283	1.283								
592-910760	7/12/2023 11:40:45 AM		VOC		1.282	1.282								
592-910760	7/12/2023 11:40:35 AM		VOC		1.283	1.283								
592-910760	7/12/2023 11:40:25 AM		VOC		1.282	1.282								
592-910760	7/12/2023 11:40:15 AM		VOC		1.281	1.281								
592-910760	7/12/2023 11:40:05 AM		VOC		1.282	1.282								
592-910760	7/12/2023 11:39:55 AM		VOC		1.283	1.283								
592-910760	7/12/2023 11:39:45 AM		VOC		1.283	1.283								
592-910760	7/12/2023 11:39:35 AM		VOC		1.279	1.279								
592-910760	7/12/2023 11:39:25 AM		VOC		1.278	1.278								
592-910760	7/12/2023 11:39:15 AM		VOC		1.279	1.279								
592-910760	7/12/2023 11:39:05 AM		VOC		1.279	1.279								
592-910760	7/12/2023 11:38:55 AM		VOC		1.278	1.278								
592-910760	7/12/2023 11:38:45 AM		VOC		1.276	1.276								
592-910760	7/12/2023 11:38:35 AM		VOC		1.274	1.274								
592-910760	7/12/2023 11:38:25 AM		VOC		1.272	1.272								
592-910760	7/12/2023 11:38:15 AM		VOC		1.272	1.272								
592-910760	7/12/2023 11:38:05 AM		VOC		1.271	1.271								
592-910760	7/12/2023 11:37:55 AM		VOC		1.269	1.269								
592-910760	7/12/2023 11:37:45 AM		VOC		1.27	1.27								
592-910760	7/12/2023 11:37:35 AM		VOC		1.271	1.271								
592-910760	7/12/2023 11:37:25 AM		VOC		1.271	1.271								
592-910760	7/12/2023 11:37:15 AM		VOC		1.273	1.273								
592-910760	7/12/2023 11:37:05 AM		VOC		1.271	1.271								
592-910760	7/12/2023 11:36:55 AM		VOC		1.269	1.269								
592-910760	7/12/2023 11:36:45 AM		VOC		1.27	1.27								
592-910760	7/12/2023 11:36:35 AM		VOC		1.271	1.271								
592-910760	7/12/2023 11:36:25 AM		VOC		1.271	1.271								
592-910760	7/12/2023 11:36:15 AM		VOC		1.27	1.27								

592-910760	7/12/2023 11:36:05 AM		VOC		1.268	1.268								
592-910760	7/12/2023 11:35:55 AM		VOC		1.266	1.266								
592-910760	7/12/2023 11:35:45 AM		VOC		1.263	1.263								
592-910760	7/12/2023 11:35:35 AM		VOC		1.263	1.263								
592-910760	7/12/2023 11:35:25 AM		VOC		1.265	1.265								
592-910760	7/12/2023 11:35:15 AM		VOC		1.266	1.266								
592-910760	7/12/2023 11:35:05 AM		VOC		1.264	1.264								
592-910760	7/12/2023 11:34:55 AM		VOC		1.263	1.263								
592-910760	7/12/2023 11:34:45 AM		VOC		1.264	1.264								
592-910760	7/12/2023 11:34:35 AM		VOC		1.263	1.263								
592-910760	7/12/2023 11:34:25 AM		VOC		1.262	1.262								
592-910760	7/12/2023 11:34:15 AM		VOC		1.262	1.262								
592-910760	7/12/2023 11:34:05 AM		VOC		1.261	1.261								
592-910760	7/12/2023 11:33:55 AM		VOC		1.262	1.262								
592-910760	7/12/2023 11:33:45 AM		VOC		1.261	1.261								
592-910760	7/12/2023 11:33:35 AM		VOC		1.259	1.259								
592-910760	7/12/2023 11:33:25 AM		VOC		1.26	1.26								
592-910760	7/12/2023 11:33:15 AM		VOC		1.261	1.261								
592-910760	7/12/2023 11:33:05 AM		VOC		1.262	1.262								
592-910760	7/12/2023 11:32:55 AM		VOC		1.26	1.26								
592-910760	7/12/2023 11:32:45 AM		VOC		1.259	1.259								
592-910760	7/12/2023 11:32:35 AM		VOC		1.255	1.255								
592-910760	7/12/2023 11:32:25 AM		VOC		1.253	1.253								
592-910760	7/12/2023 11:32:15 AM		VOC		1.257	1.257								
592-910760	7/12/2023 11:32:05 AM		VOC		1.252	1.252								
592-910760	7/12/2023 11:31:55 AM		VOC		1.251	1.251								
592-910760	7/12/2023 11:31:45 AM		VOC		1.25	1.25								
592-910760	7/12/2023 11:31:35 AM		VOC		1.246	1.246								
592-910760	7/12/2023 11:31:25 AM		VOC		1.244	1.244								
592-910760	7/12/2023 11:31:15 AM		VOC		1.242	1.242								
592-910760	7/12/2023 11:31:05 AM		VOC		1.243	1.243								
592-910760	7/12/2023 11:30:55 AM		VOC		1.244	1.244								
592-910760	7/12/2023 11:30:45 AM		VOC		1.24	1.24								
592-910760	7/12/2023 11:30:35 AM		VOC		1.24	1.24								
592-910760	7/12/2023 11:30:25 AM		VOC		1.238	1.238								
592-910760	7/12/2023 11:30:15 AM		VOC		1.237	1.237								
592-910760	7/12/2023 11:30:05 AM		VOC		1.236	1.236								
592-910760	7/12/2023 11:29:55 AM		VOC		1.231	1.231								
592-910760	7/12/2023 11:29:45 AM		VOC		1.234	1.234								
592-910760	7/12/2023 11:29:35 AM		VOC		1.233	1.233								
592-910760	7/12/2023 11:29:25 AM		VOC		1.231	1.231								
592-910760	7/12/2023 11:29:15 AM		VOC		1.229	1.229								
592-910760	7/12/2023 11:29:05 AM		VOC		1.23	1.23								
592-910760	7/12/2023 11:28:55 AM		VOC		1.229	1.229								
592-910760	7/12/2023 11:28:45 AM		VOC		1.224	1.224								
592-910760	7/12/2023 11:28:35 AM		VOC		1.225	1.225								
592-910760	7/12/2023 11:28:25 AM		VOC		1.222	1.222								
592-910760	7/12/2023 11:28:15 AM		VOC		1.218	1.218								
592-910760	7/12/2023 11:28:05 AM		VOC		1.215	1.215								
592-910760	7/12/2023 11:27:55 AM		VOC		1.217	1.217								
592-910760	7/12/2023 11:27:45 AM		VOC		1.216	1.216								
592-910760	7/12/2023 11:27:35 AM		VOC		1.211	1.211								
592-910760	7/12/2023 11:27:25 AM		VOC		1.211	1.211								
592-910760	7/12/2023 11:27:15 AM		VOC		1.208	1.208								
592-910760	7/12/2023 11:27:05 AM		VOC		1.209	1.209								
592-910760	7/12/2023 11:26:55 AM		VOC		1.207	1.207								
592-910760	7/12/2023 11:26:45 AM		VOC		1.204	1.204								
592-910760	7/12/2023 11:26:35 AM		VOC		1.198	1.198								
592-910760	7/12/2023 11:26:25 AM		VOC		1.198	1.198								
592-910760	7/12/2023 11:26:15 AM		VOC		1.197	1.197								
592-910760	7/12/2023 11:26:05 AM		VOC		1.196	1.196								
592-910760	7/12/2023 11:25:55 AM		VOC		1.194	1.194								
592-910760	7/12/2023 11:25:45 AM		VOC		1.189	1.189								
592-910760	7/12/2023 11:25:35 AM		VOC		1.189	1.189								
592-910760	7/12/2023 11:25:25 AM		VOC		1.191	1.191								
592-910760	7/12/2023 11:25:15 AM		VOC		1.184	1.184								
592-910760	7/12/2023 11:25:05 AM		VOC		1.185	1.185								
592-910760	7/12/2023 11:24:55 AM		VOC		1.184	1.184								
592-910760	7/12/2023 11:24:45 AM		VOC		1.179	1.179								
592-910760	7/12/2023 11:24:35 AM		VOC		1.177	1.177								
592-910760	7/12/2023 11:24:25 AM		VOC		1.176	1.176								
592-910760	7/12/2023 11:24:15 AM		VOC		1.176	1.176								
592-910760	7/12/2023 11:24:05 AM		VOC		1.173	1.173								
592-910760	7/12/2023 11:23:55 AM		VOC		1.173	1.173								
592-910760	7/12/2023 11:23:45 AM		VOC		1.175	1.175								
592-910760	7/12/2023 11:23:35 AM		VOC		1.172	1.172								
592-910760	7/12/2023 11:23:25 AM		VOC		1.17	1.17								
592-910760	7/12/2023 11:23:15 AM		VOC		1.167	1.167								
592-910760	7/12/2023 11:23:05 AM		VOC		1.167	1.167								
592-910760	7/12/2023 11:22:55 AM		VOC		1.163	1.163								
592-910760	7/12/2023 11:22:45 AM		VOC		1.162	1.162								
592-910760	7/12/2023 11:22:35 AM		VOC		1.163	1.163								
592-910760	7/12/2023 11:22:25 AM		VOC		1.161	1.161								
592-910760	7/12/2023 11:22:15 AM		VOC		1.162	1.162								
592-910760	7/12/2023 11:22:05 AM		VOC		1.16	1.16								
592-910760	7/12/2023 11:21:55 AM		VOC		1.159	1.159								
592-910760	7/12/2023 11:21:45 AM		VOC		1.159	1.159								
592-910760	7/12/2023 11:21:35 AM		VOC		1.162	1.162								
592-910760	7/12/2023 11:21:25 AM		VOC		1.16	1.16								
592-910760	7/12/2023 11:21:15 AM		VOC		1.16	1.16								
592-910760	7/12/2023 11:21:05 AM		VOC		1.157	1.157								
592-910760	7/12/2023 11:20:55 AM		VOC		1.159	1.159								
592-910760	7/12/2023 11:20:45 AM		VOC		1.157	1.157								
592-910760	7/12/2023 11:20:35 AM		VOC		1.155	1.155								
592-910760	7/12/2023 11:20:25 AM		VOC		1.154	1.154								
592-910760	7/12/2023 11:20:15 AM		VOC		1.155	1.155								
592-910760	7/12/2023 11:20:05 AM		VOC		1.154	1.154								
592-910760	7/12/2023 11:19:55 AM		VOC		1.149	1.149								
592-910760	7/12/2023 11:19:45 AM		VOC		1.147	1.147								
592-910760	7/12/2023 11:19:35 AM		VOC		1.15	1.15								
592-910760	7/12/2023 11:19:25 AM		VOC		1.152	1.152								

592-910760	7/12/2023 11:19:15 AM		VOC		1.148	1.148								
592-910760	7/12/2023 11:19:05 AM		VOC		1.148	1.148								
592-910760	7/12/2023 11:18:55 AM		VOC		1.14	1.14								
592-910760	7/12/2023 11:18:45 AM		VOC		1.142	1.142								
592-910760	7/12/2023 11:18:35 AM		VOC		1.145	1.145								
592-910760	7/12/2023 11:18:25 AM		VOC		1.145	1.145								
592-910760	7/12/2023 11:18:15 AM		VOC		1.144	1.144								
592-910760	7/12/2023 11:18:05 AM		VOC		1.154	1.154								
592-910760	7/12/2023 11:17:55 AM		VOC		1.219	1.219								
592-910760	7/12/2023 11:17:45 AM		VOC		1.14	1.14								
592-910760	7/12/2023 11:17:35 AM		VOC		1.12	1.12								
592-910760	7/12/2023 11:17:25 AM		VOC		1.121	1.121								
592-910760	7/12/2023 11:17:15 AM		VOC		1.121	1.121								
592-910760	7/12/2023 11:17:05 AM		VOC		1.124	1.124								
592-910760	7/12/2023 11:16:55 AM		VOC		1.122	1.122								
592-910760	7/12/2023 11:16:45 AM		VOC		1.12	1.12								
592-910760	7/12/2023 11:16:35 AM		VOC		1.12	1.12								
592-910760	7/12/2023 11:16:25 AM		VOC		1.119	1.119								
592-910760	7/12/2023 11:16:15 AM		VOC		1.117	1.117								
592-910760	7/12/2023 11:16:05 AM		VOC		1.115	1.115								
592-910760	7/12/2023 11:15:55 AM		VOC		1.117	1.117								
592-910760	7/12/2023 11:15:45 AM		VOC		1.118	1.118								
592-910760	7/12/2023 11:15:35 AM		VOC		1.092	1.092								
592-910760	7/12/2023 11:15:25 AM		VOC		1.066	1.066								
592-910760	7/12/2023 11:15:15 AM		VOC		1.123	1.123								
592-910760	7/12/2023 11:15:05 AM		VOC		1.122	1.122								
592-910760	7/12/2023 11:14:55 AM		VOC		1.123	1.123								
592-910760	7/12/2023 11:14:45 AM		VOC		1.118	1.118								
592-910760	7/12/2023 11:14:35 AM		VOC		1.123	1.123								
592-910760	7/12/2023 11:14:25 AM		VOC		1.077	1.077								
592-910760	7/12/2023 11:14:15 AM		VOC		1.118	1.118								
592-910760	7/12/2023 11:14:05 AM		VOC		1.137	1.137								
592-910760	7/12/2023 11:13:55 AM		VOC		1.134	1.134								
592-910760	7/12/2023 11:13:45 AM		VOC		1.148	1.148								
592-910760	7/12/2023 11:13:35 AM		VOC		1.144	1.144								
592-910760	7/12/2023 11:13:25 AM		VOC		1.125	1.125								
592-910760	7/12/2023 11:13:15 AM		VOC		1.155	1.155								
592-910760	7/12/2023 11:13:05 AM		VOC		1.15	1.15								
592-910760	7/12/2023 11:12:55 AM		VOC		1.15	1.15								
592-910760	7/12/2023 11:12:45 AM		VOC		1.149	1.149								
592-910760	7/12/2023 11:12:35 AM		VOC		1.151	1.151								
592-910760	7/12/2023 11:12:25 AM		VOC		1.156	1.156								
592-910760	7/12/2023 11:12:15 AM		VOC		1.161	1.161								
592-910760	7/12/2023 11:12:05 AM		VOC		1.16	1.16								
592-910760	7/12/2023 11:11:55 AM		VOC		1.159	1.159								
592-910760	7/12/2023 11:11:45 AM		VOC		1.156	1.156								
592-910760	7/12/2023 11:11:35 AM		VOC		1.156	1.156								
592-910760	7/12/2023 11:11:25 AM		VOC		1.157	1.157								
592-910760	7/12/2023 11:11:15 AM		VOC		1.155	1.155								
592-910760	7/12/2023 11:11:05 AM		VOC		1.156	1.156								
592-910760	7/12/2023 11:10:55 AM		VOC		1.156	1.156								
592-910760	7/12/2023 11:10:45 AM		VOC		1.164	1.164								
592-910760	7/12/2023 11:10:35 AM		VOC		1.179	1.179								
592-910760	7/12/2023 11:10:25 AM		VOC		1.15	1.15								
592-910760	7/12/2023 11:10:15 AM		VOC		1.149	1.149								
592-910760	7/12/2023 11:10:05 AM		VOC		1.146	1.146								
592-910760	7/12/2023 11:09:55 AM		VOC		1.142	1.142								
592-910760	7/12/2023 11:09:45 AM		VOC		1.14	1.14								
592-910760	7/12/2023 11:09:35 AM		VOC		1.137	1.137								
592-910760	7/12/2023 11:09:25 AM		VOC		1.139	1.139								
592-910760	7/12/2023 11:09:15 AM		VOC		1.138	1.138								
592-910760	7/12/2023 11:09:05 AM		VOC		1.135	1.135								
592-910760	7/12/2023 11:08:55 AM		VOC		1.137	1.137								
592-910760	7/12/2023 11:08:45 AM		VOC		1.133	1.133								
592-910760	7/12/2023 11:08:35 AM		VOC		1.13	1.13								
592-910760	7/12/2023 11:08:25 AM		VOC		1.128	1.128								
592-910760	7/12/2023 11:08:15 AM		VOC		1.125	1.125								
592-910760	7/12/2023 11:08:05 AM		VOC		1.124	1.124								
592-910760	7/12/2023 11:07:55 AM		VOC		1.125	1.125								
592-910760	7/12/2023 11:07:45 AM		VOC		1.123	1.123								
592-910760	7/12/2023 11:07:35 AM		VOC		1.124	1.124								
592-910760	7/12/2023 11:07:25 AM		VOC		1.124	1.124								
592-910760	7/12/2023 11:07:15 AM		VOC		1.124	1.124								
592-910760	7/12/2023 11:07:05 AM		VOC		1.123	1.123								
592-910760	7/12/2023 11:06:55 AM		VOC		1.12	1.12								
592-910760	7/12/2023 11:06:45 AM		VOC		1.12	1.12								
592-910760	7/12/2023 11:06:35 AM		VOC		1.12	1.12								
592-910760	7/12/2023 11:06:25 AM		VOC		1.121	1.121								
592-910760	7/12/2023 11:06:15 AM		VOC		1.12	1.12								
592-910760	7/12/2023 11:06:05 AM		VOC		1.122	1.122								
592-910760	7/12/2023 11:05:55 AM		VOC		1.124	1.124								
592-910760	7/12/2023 11:05:45 AM		VOC		1.126	1.126								
592-910760	7/12/2023 11:05:35 AM		VOC		1.128	1.128								
592-910760	7/12/2023 11:05:25 AM		VOC		1.129	1.129								
592-910760	7/12/2023 11:05:15 AM		VOC		1.131	1.131								
592-910760	7/12/2023 11:05:05 AM		VOC		1.129	1.129								
592-910760	7/12/2023 11:04:55 AM		VOC		1.132	1.132								
592-910760	7/12/2023 11:04:45 AM		VOC		1.132	1.132								
592-910760	7/12/2023 11:04:35 AM		VOC		1.122	1.122								
592-910760	7/12/2023 11:04:25 AM		VOC		1.13	1.13								
592-910760	7/12/2023 11:04:15 AM		VOC		1.134	1.134								
592-910760	7/12/2023 11:04:05 AM		VOC		1.136	1.136								
592-910760	7/12/2023 11:03:55 AM		VOC		1.137	1.137								
592-910760	7/12/2023 11:03:45 AM		VOC		1.135	1.135								
592-910760	7/12/2023 11:03:35 AM		VOC		1.138	1.138								
592-910760	7/12/2023 11:03:25 AM		VOC		1.142	1.142								
592-910760	7/12/2023 11:03:15 AM		VOC		1.146	1.146								
592-910760	7/12/2023 11:03:05 AM		VOC		1.149	1.149								
592-910760	7/12/2023 11:02:55 AM		VOC		1.155	1.155								
592-910760	7/12/2023 11:02:45 AM		VOC		1.153	1.153								
592-910760	7/12/2023 11:02:35 AM		VOC		1.157	1.157								

592-910760	7/12/2023 11:02:25 AM		VOC		1.162	1.162								
592-910760	7/12/2023 11:02:15 AM		VOC		1.173	1.173								
592-910760	7/12/2023 11:02:05 AM		VOC		1.172	1.172								
592-910760	7/12/2023 11:01:55 AM		VOC		1.178	1.178								
592-910760	7/12/2023 11:01:45 AM		VOC		1.154	1.154								
592-910760	7/12/2023 11:01:35 AM		VOC		1.112	1.112								
592-910760	7/12/2023 11:01:25 AM		VOC		1.188	1.188								
592-910760	7/12/2023 11:01:15 AM		VOC		1.068	1.068								
592-910760	7/12/2023 11:01:05 AM		VOC		0.887	0.887								
592-910760	7/12/2023 11:00:55 AM		VOC		1.046	1.046								
592-910760	7/12/2023 11:00:45 AM		VOC		1.15	1.15								
592-910760	7/12/2023 11:00:35 AM		VOC		1.21	1.21								
592-910760	7/12/2023 11:00:25 AM		VOC		1.088	1.088								
592-910760	7/12/2023 11:00:15 AM		VOC		1.097	1.097								
592-910760	7/12/2023 11:00:05 AM		VOC		1.221	1.221								
592-910760	7/12/2023 10:59:55 AM		VOC		1.042	1.042								
592-910760	7/12/2023 10:59:45 AM		VOC		1.237	1.237								
592-910760	7/12/2023 10:59:35 AM		VOC		1.117	1.117								
592-910760	7/12/2023 10:59:25 AM		VOC		1.222	1.222								
592-910760	7/12/2023 10:59:15 AM		VOC		1.281	1.281								
592-910760	7/12/2023 10:59:05 AM		VOC		1.291	1.291								
592-910760	7/12/2023 10:58:55 AM		VOC		1.138	1.138								
592-910760	7/12/2023 10:58:45 AM		VOC		1.257	1.257								
592-910760	7/12/2023 10:58:35 AM		VOC		1.284	1.284								
592-910760	7/12/2023 10:58:25 AM		VOC		1.327	1.327								
592-910760	7/12/2023 10:58:15 AM		VOC		1.336	1.336								
592-910760	7/12/2023 10:58:05 AM		VOC		1.344	1.344								
592-910760	7/12/2023 10:57:55 AM		VOC		1.347	1.347								
592-910760	7/12/2023 10:57:45 AM		VOC		1.356	1.356								
592-910760	7/12/2023 10:57:35 AM		VOC		1.367	1.367								
592-910760	7/12/2023 10:57:25 AM		VOC		1.372	1.372								
592-910760	7/12/2023 10:57:15 AM		VOC		1.35	1.35								
592-910760	7/12/2023 10:57:05 AM		VOC		1.373	1.373								
592-910760	7/12/2023 10:56:55 AM		VOC		1.38	1.38								
592-910760	7/12/2023 10:56:45 AM		VOC		1.385	1.385								
592-910760	7/12/2023 10:56:35 AM		VOC		1.392	1.392								
592-910760	7/12/2023 10:56:25 AM		VOC		1.396	1.396								
592-910760	7/12/2023 10:56:15 AM		VOC		1.395	1.395								
592-910760	7/12/2023 10:56:05 AM		VOC		1.408	1.408								
592-910760	7/12/2023 10:55:55 AM		VOC		1.414	1.414								
592-910760	7/12/2023 10:55:45 AM		VOC		1.413	1.413								
592-910760	7/12/2023 10:55:35 AM		VOC		1.413	1.413								
592-910760	7/12/2023 10:55:25 AM		VOC		1.414	1.414								
592-910760	7/12/2023 10:55:15 AM		VOC		1.431	1.431								
592-910760	7/12/2023 10:55:05 AM		VOC		1.441	1.441								
592-910760	7/12/2023 10:54:55 AM		VOC		1.437	1.437								
592-910760	7/12/2023 10:54:45 AM		VOC		1.438	1.438								
592-910760	7/12/2023 10:54:35 AM		VOC		1.447	1.447								
592-910760	7/12/2023 10:54:25 AM		VOC		1.401	1.401								
592-910760	7/12/2023 10:54:15 AM		VOC		1.45	1.45								
592-910760	7/12/2023 10:54:05 AM		VOC		1.463	1.463								
592-910760	7/12/2023 10:53:55 AM		VOC		1.465	1.465								
592-910760	7/12/2023 10:53:45 AM		VOC		1.468	1.468								
592-910760	7/12/2023 10:53:35 AM		VOC		1.474	1.474								
592-910760	7/12/2023 10:53:25 AM		VOC		1.48	1.48								
592-910760	7/12/2023 10:53:15 AM		VOC		1.48	1.48								
592-910760	7/12/2023 10:53:05 AM		VOC		1.487	1.487								
592-910760	7/12/2023 10:52:55 AM		VOC		1.489	1.489								
592-910760	7/12/2023 10:52:45 AM		VOC		1.491	1.491								
592-910760	7/12/2023 10:52:35 AM		VOC		1.488	1.488								
592-910760	7/12/2023 10:52:25 AM		VOC		1.495	1.495								
592-910760	7/12/2023 10:52:15 AM		VOC		1.496	1.496								
592-910760	7/12/2023 10:52:05 AM		VOC		1.492	1.492								
592-910760	7/12/2023 10:51:55 AM		VOC		1.494	1.494								
592-910760	7/12/2023 10:51:45 AM		VOC		1.504	1.504								
592-910760	7/12/2023 10:51:35 AM		VOC		1.506	1.506								
592-910760	7/12/2023 10:51:25 AM		VOC		1.506	1.506								
592-910760	7/12/2023 10:51:15 AM		VOC		1.506	1.506								
592-910760	7/12/2023 10:51:05 AM		VOC		1.507	1.507								
592-910760	7/12/2023 10:50:55 AM		VOC		1.507	1.507								
592-910760	7/12/2023 10:50:45 AM		VOC		1.509	1.509								
592-910760	7/12/2023 10:50:35 AM		VOC		1.513	1.513								
592-910760	7/12/2023 10:50:25 AM		VOC		1.521	1.521								
592-910760	7/12/2023 10:50:15 AM		VOC		1.523	1.523								
592-910760	7/12/2023 10:50:05 AM		VOC		1.519	1.519								
592-910760	7/12/2023 10:49:55 AM		VOC		1.521	1.521								
592-910760	7/12/2023 10:49:45 AM		VOC		1.519	1.519								
592-910760	7/12/2023 10:49:35 AM		VOC		1.52	1.52								
592-910760	7/12/2023 10:49:25 AM		VOC		1.518	1.518								
592-910760	7/12/2023 10:49:15 AM		VOC		1.519	1.519								
592-910760	7/12/2023 10:49:05 AM		VOC		1.518	1.518								
592-910760	7/12/2023 10:48:55 AM		VOC		1.521	1.521								
592-910760	7/12/2023 10:48:45 AM		VOC		1.518	1.518								
592-910760	7/12/2023 10:48:35 AM		VOC		1.518	1.518								
592-910760	7/12/2023 10:48:25 AM		VOC		1.517	1.517								
592-910760	7/12/2023 10:48:15 AM		VOC		1.521	1.521								
592-910760	7/12/2023 10:48:05 AM		VOC		1.521	1.521								
592-910760	7/12/2023 10:47:55 AM		VOC		1.527	1.527								
592-910760	7/12/2023 10:47:45 AM		VOC		1.527	1.527								
592-910760	7/12/2023 10:47:35 AM		VOC		1.527	1.527								
592-910760	7/12/2023 10:47:25 AM		VOC		1.524	1.524								
592-910760	7/12/2023 10:47:15 AM		VOC		1.529	1.529								
592-910760	7/12/2023 10:47:05 AM		VOC		1.527	1.527								
592-910760	7/12/2023 10:46:55 AM		VOC		1.522	1.522								
592-910760	7/12/2023 10:46:45 AM		VOC		1.523	1.523								
592-910760	7/12/2023 10:46:35 AM		VOC		1.526	1.526								
592-910760	7/12/2023 10:46:25 AM		VOC		1.527	1.527								
592-910760	7/12/2023 10:46:15 AM		VOC		1.527	1.527								
592-910760	7/12/2023 10:46:05 AM		VOC		1.53	1.53								
592-910760	7/12/2023 10:45:55 AM		VOC		1.541	1.541								
592-910760	7/12/2023 10:45:45 AM		VOC		1.548	1.548								

592-910760	7/12/2023 10:45:35 AM		VOC		1.548	1.548								
592-910760	7/12/2023 10:45:25 AM		VOC		1.551	1.551								
592-910760	7/12/2023 10:45:15 AM		VOC		1.554	1.554								
592-910760	7/12/2023 10:45:05 AM		VOC		1.553	1.553								
592-910760	7/12/2023 10:44:55 AM		VOC		1.558	1.558								
592-910760	7/12/2023 10:44:45 AM		VOC		1.564	1.564								
592-910760	7/12/2023 10:44:35 AM		VOC		1.566	1.566								
592-910760	7/12/2023 10:44:25 AM		VOC		1.572	1.572								
592-910760	7/12/2023 10:44:15 AM		VOC		1.579	1.579								
592-910760	7/12/2023 10:44:05 AM		VOC		1.601	1.601								
592-910760	7/12/2023 10:43:55 AM		VOC		1.687	1.687								
592-910760	7/12/2023 10:43:45 AM		VOC		1.61	1.61								
592-910760	7/12/2023 10:43:35 AM		VOC		1.694	1.694								
592-910760	7/12/2023 10:43:25 AM		VOC		1.554	1.554								
592-910760	7/12/2023 10:43:15 AM		VOC		1.536	1.536								
592-910760	7/12/2023 10:43:05 AM		VOC		1.542	1.542								
592-910760	7/12/2023 10:42:55 AM		VOC		1.541	1.541								
592-910760	7/12/2023 10:42:45 AM		VOC		1.529	1.529								
592-910760	7/12/2023 10:42:35 AM		VOC		1.523	1.523								
592-910760	7/12/2023 10:42:25 AM		VOC		1.522	1.522								
592-910760	7/12/2023 10:42:15 AM		VOC		1.526	1.526								
592-910760	7/12/2023 10:42:05 AM		VOC		1.525	1.525								
592-910760	7/12/2023 10:41:55 AM		VOC		1.523	1.523								
592-910760	7/12/2023 10:41:45 AM		VOC		1.514	1.514								
592-910760	7/12/2023 10:41:35 AM		VOC		1.513	1.513								
592-910760	7/12/2023 10:41:25 AM		VOC		1.507	1.507								
592-910760	7/12/2023 10:41:15 AM		VOC		1.504	1.504								
592-910760	7/12/2023 10:41:05 AM		VOC		1.5	1.5								
592-910760	7/12/2023 10:40:55 AM		VOC		1.501	1.501								
592-910760	7/12/2023 10:40:45 AM		VOC		1.498	1.498								
592-910760	7/12/2023 10:40:35 AM		VOC		1.493	1.493								
592-910760	7/12/2023 10:40:25 AM		VOC		1.49	1.49								
592-910760	7/12/2023 10:40:15 AM		VOC		1.49	1.49								
592-910760	7/12/2023 10:40:05 AM		VOC		1.479	1.479								
592-910760	7/12/2023 10:39:55 AM		VOC		1.486	1.486								
592-910760	7/12/2023 10:39:45 AM		VOC		1.483	1.483								
592-910760	7/12/2023 10:39:35 AM		VOC		1.448	1.448								
592-910760	7/12/2023 10:39:25 AM		VOC		1.391	1.391								
592-910760	7/12/2023 10:39:15 AM		VOC		1.505	1.505								
592-910760	7/12/2023 10:39:05 AM		VOC		1.496	1.496								
592-910760	7/12/2023 10:38:55 AM		VOC		1.138	1.138								
592-910760	7/12/2023 10:38:45 AM		VOC		1.444	1.444								
592-910760	7/12/2023 10:38:35 AM		VOC		1.571	1.571								
592-910760	7/12/2023 10:38:25 AM		VOC		1.543	1.543								
592-910760	7/12/2023 10:38:15 AM		VOC		1.56	1.56								
592-910760	7/12/2023 10:38:05 AM		VOC		1.532	1.532								
592-910760	7/12/2023 10:37:55 AM		VOC		1.534	1.534								
592-910760	7/12/2023 10:37:45 AM		VOC		1.547	1.547								
592-910760	7/12/2023 10:37:35 AM		VOC		1.548	1.548								
592-910760	7/12/2023 10:37:25 AM		VOC		1.556	1.556								
592-910760	7/12/2023 10:37:15 AM		VOC		1.56	1.56								
592-910760	7/12/2023 10:37:05 AM		VOC		1.566	1.566								
592-910760	7/12/2023 10:36:55 AM		VOC		1.55	1.55								
592-910760	7/12/2023 10:36:45 AM		VOC		1.436	1.436								
592-910760	7/12/2023 10:36:35 AM		VOC		1.402	1.402								
592-910760	7/12/2023 10:36:25 AM		VOC		1.543	1.543								
592-910760	7/12/2023 10:36:15 AM		VOC		1.424	1.424								
592-910760	7/12/2023 10:36:05 AM		VOC		1.536	1.536								
592-910760	7/12/2023 10:35:55 AM		VOC		1.513	1.513								
592-910760	7/12/2023 10:35:45 AM		VOC		1.593	1.593								
592-910760	7/12/2023 10:35:35 AM		VOC		1.593	1.593								
592-910760	7/12/2023 10:35:25 AM		VOC		1.59	1.59								
592-910760	7/12/2023 10:35:15 AM		VOC		1.583	1.583								
592-910760	7/12/2023 10:35:05 AM		VOC		1.585	1.585								
592-910760	7/12/2023 10:34:55 AM		VOC		1.589	1.589								
592-910760	7/12/2023 10:34:45 AM		VOC		1.603	1.603								
592-910760	7/12/2023 10:34:35 AM		VOC		1.59	1.59								
592-910760	7/12/2023 10:34:25 AM		VOC		1.598	1.598								
592-910760	7/12/2023 10:34:15 AM		VOC		1.6	1.6								
592-910760	7/12/2023 10:34:05 AM		VOC		1.598	1.598								
592-910760	7/12/2023 10:33:55 AM		VOC		1.593	1.593								
592-910760	7/12/2023 10:33:45 AM		VOC		1.591	1.591								
592-910760	7/12/2023 10:33:35 AM		VOC		1.595	1.595								
592-910760	7/12/2023 10:33:25 AM		VOC		1.594	1.594								
592-910760	7/12/2023 10:33:15 AM		VOC		1.592	1.592								
592-910760	7/12/2023 10:33:05 AM		VOC		1.596	1.596								
592-910760	7/12/2023 10:32:55 AM		VOC		1.576	1.576								
592-910760	7/12/2023 10:32:45 AM		VOC		1.595	1.595								
592-910760	7/12/2023 10:32:35 AM		VOC		1.593	1.593								
592-910760	7/12/2023 10:32:25 AM		VOC		1.59	1.59								
592-910760	7/12/2023 10:32:15 AM		VOC		1.586	1.586								
592-910760	7/12/2023 10:32:05 AM		VOC		1.581	1.581								
592-910760	7/12/2023 10:31:55 AM		VOC		1.578	1.578								
592-910760	7/12/2023 10:31:45 AM		VOC		1.58	1.58								
592-910760	7/12/2023 10:31:35 AM		VOC		1.576	1.576								
592-910760	7/12/2023 10:31:25 AM		VOC		1.574	1.574								
592-910760	7/12/2023 10:31:15 AM		VOC		1.57	1.57								
592-910760	7/12/2023 10:31:05 AM		VOC		1.57	1.57								
592-910760	7/12/2023 10:30:55 AM		VOC		1.573	1.573								
592-910760	7/12/2023 10:30:45 AM		VOC		1.573	1.573								
592-910760	7/12/2023 10:30:35 AM		VOC		1.57	1.57								
592-910760	7/12/2023 10:30:25 AM		VOC		1.571	1.571								
592-910760	7/12/2023 10:30:15 AM		VOC		1.572	1.572								
592-910760	7/12/2023 10:30:05 AM		VOC		1.578	1.578								
592-910760	7/12/2023 10:29:55 AM		VOC		1.581	1.581								
592-910760	7/12/2023 10:29:45 AM		VOC		1.593	1.593								
592-910760	7/12/2023 10:29:35 AM		VOC		1.595	1.595								
592-910760	7/12/2023 10:29:25 AM		VOC		1.597	1.597								
592-910760	7/12/2023 10:29:15 AM		VOC		1.601	1.601								
592-910760	7/12/2023 10:29:05 AM		VOC		1.608	1.608								
592-910760	7/12/2023 10:28:55 AM		VOC		1.609	1.609								

592-910760	7/12/2023 10:28:45 AM		VOC		1.597	1.597								
592-910760	7/12/2023 10:28:35 AM		VOC		1.611	1.611								
592-910760	7/12/2023 10:28:25 AM		VOC		1.623	1.623								
592-910760	7/12/2023 10:28:15 AM		VOC		1.623	1.623								
592-910760	7/12/2023 10:28:05 AM		VOC		1.626	1.626								
592-910760	7/12/2023 10:27:55 AM		VOC		1.636	1.636								
592-910760	7/12/2023 10:27:45 AM		VOC		1.638	1.638								
592-910760	7/12/2023 10:27:35 AM		VOC		1.584	1.584								
592-910760	7/12/2023 10:27:25 AM		VOC		1.595	1.595								
592-910760	7/12/2023 10:27:15 AM		VOC		1.644	1.644								
592-910760	7/12/2023 10:27:05 AM		VOC		1.666	1.666								
592-910760	7/12/2023 10:26:55 AM		VOC		1.681	1.681								
592-910760	7/12/2023 10:26:45 AM		VOC		1.694	1.694								
592-910760	7/12/2023 10:26:35 AM		VOC		1.701	1.701								
592-910760	7/12/2023 10:26:25 AM		VOC		1.672	1.672								
592-910760	7/12/2023 10:26:15 AM		VOC		1.671	1.671								
592-910760	7/12/2023 10:26:05 AM		VOC		1.698	1.698								
592-910760	7/12/2023 10:25:55 AM		VOC		1.702	1.702								
592-910760	7/12/2023 10:25:45 AM		VOC		1.699	1.699								
592-910760	7/12/2023 10:25:35 AM		VOC		1.697	1.697								
592-910760	7/12/2023 10:25:25 AM		VOC		1.699	1.699								
592-910760	7/12/2023 10:25:15 AM		VOC		1.693	1.693								
592-910760	7/12/2023 10:25:05 AM		VOC		1.691	1.691								
592-910760	7/12/2023 10:24:55 AM		VOC		1.694	1.694								
592-910760	7/12/2023 10:24:45 AM		VOC		1.695	1.695								
592-910760	7/12/2023 10:24:35 AM		VOC		1.698	1.698								
592-910760	7/12/2023 10:24:25 AM		VOC		1.704	1.704								
592-910760	7/12/2023 10:24:15 AM		VOC		1.699	1.699								
592-910760	7/12/2023 10:24:05 AM		VOC		1.702	1.702								
592-910760	7/12/2023 10:23:55 AM		VOC		1.71	1.71								
592-910760	7/12/2023 10:23:45 AM		VOC		1.708	1.708								
592-910760	7/12/2023 10:23:35 AM		VOC		1.7	1.7								
592-910760	7/12/2023 10:23:25 AM		VOC		1.727	1.727								
592-910760	7/12/2023 10:23:15 AM		VOC		1.734	1.734								
592-910760	7/12/2023 10:23:05 AM		VOC		1.74	1.74								
592-910760	7/12/2023 10:22:55 AM		VOC		1.748	1.748								
592-910760	7/12/2023 10:22:45 AM		VOC		1.757	1.757								
592-910760	7/12/2023 10:22:35 AM		VOC		1.765	1.765								
592-910760	7/12/2023 10:22:25 AM		VOC		1.774	1.774								
592-910760	7/12/2023 10:22:15 AM		VOC		1.781	1.781								
592-910760	7/12/2023 10:22:05 AM		VOC		1.785	1.785								
592-910760	7/12/2023 10:21:55 AM		VOC		1.776	1.776								
592-910760	7/12/2023 10:21:45 AM		VOC		1.792	1.792								
592-910760	7/12/2023 10:21:35 AM		VOC		1.825	1.825								
592-910760	7/12/2023 10:21:25 AM		VOC		1.834	1.834								
592-910760	7/12/2023 10:21:15 AM		VOC		1.84	1.84								
592-910760	7/12/2023 10:21:05 AM		VOC		1.853	1.853								
592-910760	7/12/2023 10:20:55 AM		VOC		1.863	1.863								
592-910760	7/12/2023 10:20:45 AM		VOC		1.849	1.849								
592-910760	7/12/2023 10:20:35 AM		VOC		1.729	1.729								
592-910760	7/12/2023 10:20:25 AM		VOC		1.719	1.719								
592-910760	7/12/2023 10:20:15 AM		VOC		1.841	1.841								
592-910760	7/12/2023 10:20:05 AM		VOC		1.898	1.898								
592-910760	7/12/2023 10:19:55 AM		VOC		1.901	1.901								
592-910760	7/12/2023 10:19:45 AM		VOC		1.913	1.913								
592-910760	7/12/2023 10:19:35 AM		VOC		1.919	1.919								
592-910760	7/12/2023 10:19:25 AM		VOC		1.928	1.928								
592-910760	7/12/2023 10:19:15 AM		VOC		1.933	1.933								
592-910760	7/12/2023 10:19:05 AM		VOC		1.943	1.943								
592-910760	7/12/2023 10:18:55 AM		VOC		1.946	1.946								
592-910760	7/12/2023 10:18:45 AM		VOC		1.957	1.957								
592-910760	7/12/2023 10:18:35 AM		VOC		1.954	1.954								
592-910760	7/12/2023 10:18:25 AM		VOC		1.794	1.794								
592-910760	7/12/2023 10:18:15 AM		VOC		1.907	1.907								
592-910760	7/12/2023 10:18:05 AM		VOC		1.826	1.826								
592-910760	7/12/2023 10:17:55 AM		VOC		1.992	1.992								
592-910760	7/12/2023 10:17:45 AM		VOC		2.0	2.0								
592-910760	7/12/2023 10:17:35 AM		VOC		2.009	2.009								
592-910760	7/12/2023 10:17:25 AM		VOC		2.015	2.015								
592-910760	7/12/2023 10:17:15 AM		VOC		2.017	2.017								
592-910760	7/12/2023 10:17:05 AM		VOC		2.015	2.015								
592-910760	7/12/2023 10:16:55 AM		VOC		2.014	2.014								
592-910760	7/12/2023 10:16:45 AM		VOC		2.031	2.031								
592-910760	7/12/2023 10:16:35 AM		VOC		2.033	2.033								
592-910760	7/12/2023 10:16:25 AM		VOC		2.044	2.044								
592-910760	7/12/2023 10:16:15 AM		VOC		2.051	2.051								
592-910760	7/12/2023 10:16:05 AM		VOC		2.025	2.025								
592-910760	7/12/2023 10:15:55 AM		VOC		2.029	2.029								
592-910760	7/12/2023 10:15:45 AM		VOC		2.014	2.014								
592-910760	7/12/2023 10:15:35 AM		VOC		2.074	2.074								
592-910760	7/12/2023 10:15:25 AM		VOC		2.09	2.09								
592-910760	7/12/2023 10:15:15 AM		VOC		2.092	2.092								
592-910760	7/12/2023 10:15:05 AM		VOC		2.094	2.094								
592-910760	7/12/2023 10:14:55 AM		VOC		2.067	2.067								
592-910760	7/12/2023 10:14:45 AM		VOC		2.079	2.079								
592-910760	7/12/2023 10:14:35 AM		VOC		2.04	2.04								
592-910760	7/12/2023 10:14:25 AM		VOC		2.123	2.123								
592-910760	7/12/2023 10:14:15 AM		VOC		2.113	2.113								
592-910760	7/12/2023 10:14:05 AM		VOC		2.154	2.154								
592-910760	7/12/2023 10:13:55 AM		VOC		2.154	2.154								
592-910760	7/12/2023 10:13:45 AM		VOC		2.16	2.16								
592-910760	7/12/2023 10:13:35 AM		VOC		2.156	2.156								
592-910760	7/12/2023 10:13:25 AM		VOC		2.152	2.152								
592-910760	7/12/2023 10:13:15 AM		VOC		2.153	2.153								
592-910760	7/12/2023 10:13:05 AM		VOC		2.152	2.152								
592-910760	7/12/2023 10:12:55 AM		VOC		2.145	2.145								
592-910760	7/12/2023 10:12:45 AM		VOC		2.136	2.136								
592-910760	7/12/2023 10:12:35 AM		VOC		2.132	2.132								
592-910760	7/12/2023 10:12:25 AM		VOC		2.141	2.141								
592-910760	7/12/2023 10:12:15 AM		VOC		2.131	2.131								
592-910760	7/12/2023 10:12:05 AM		VOC		2.137	2.137								

592-910760	7/12/2023 10:11:55 AM		VOC		2.14	2.14								
592-910760	7/12/2023 10:11:45 AM		VOC		2.13	2.13								
592-910760	7/12/2023 10:11:35 AM		VOC		2.146	2.146								
592-910760	7/12/2023 10:11:25 AM		VOC		2.107	2.107								
592-910760	7/12/2023 10:11:15 AM		VOC		2.119	2.119								
592-910760	7/12/2023 10:11:05 AM		VOC		2.114	2.114								
592-910760	7/12/2023 10:10:55 AM		VOC		2.106	2.106								
592-910760	7/12/2023 10:10:45 AM		VOC		2.081	2.081								
592-910760	7/12/2023 10:10:35 AM		VOC		2.098	2.098								
592-910760	7/12/2023 10:10:25 AM		VOC		2.093	2.093								
592-910760	7/12/2023 10:10:15 AM		VOC		2.066	2.066								
592-910760	7/12/2023 10:10:05 AM		VOC		2.082	2.082								
592-910760	7/12/2023 10:09:55 AM		VOC		2.096	2.096								
592-910760	7/12/2023 10:09:45 AM		VOC		2.07	2.07								
592-910760	7/12/2023 10:09:35 AM		VOC		2.032	2.032								
592-910760	7/12/2023 10:09:25 AM		VOC		1.991	1.991								
592-910760	7/12/2023 10:09:15 AM		VOC		2.027	2.027								
592-910760	7/12/2023 10:09:05 AM		VOC		1.997	1.997								
592-910760	7/12/2023 10:08:55 AM		VOC		1.977	1.977								
592-910760	7/12/2023 10:08:45 AM		VOC		1.98	1.98								
592-910760	7/12/2023 10:08:35 AM		VOC		1.992	1.992								
592-910760	7/12/2023 10:08:25 AM		VOC		1.932	1.932								
592-910760	7/12/2023 10:08:15 AM		VOC		1.918	1.918								
592-910760	7/12/2023 10:08:05 AM		VOC		1.824	1.824								
592-910760	7/12/2023 10:07:55 AM		VOC		1.803	1.803								
592-910760	7/12/2023 10:07:45 AM		VOC		1.77	1.77								
592-910760	7/12/2023 10:07:35 AM		VOC		1.709	1.709								
592-910760	7/12/2023 10:07:25 AM		VOC		1.618	1.618								
592-910760	7/12/2023 10:07:15 AM		VOC		1.586	1.586								
592-910760	7/12/2023 10:07:05 AM		VOC		1.569	1.569								
592-910760	7/12/2023 10:06:55 AM		VOC		1.569	1.569								
592-910760	7/12/2023 10:06:45 AM		VOC		1.567	1.567								
592-910760	7/12/2023 10:06:35 AM		VOC		1.561	1.561								
592-910760	7/12/2023 10:06:25 AM		VOC		1.558	1.558								
592-910760	7/12/2023 10:06:15 AM		VOC		1.548	1.548								
592-910760	7/12/2023 10:06:05 AM		VOC		1.55	1.55								
592-910760	7/12/2023 10:05:55 AM		VOC		1.541	1.541								
592-910760	7/12/2023 10:05:45 AM		VOC		1.549	1.549								
592-910760	7/12/2023 10:05:35 AM		VOC		1.549	1.549								
592-910760	7/12/2023 10:05:25 AM		VOC		1.525	1.525								
592-910760	7/12/2023 10:05:15 AM		VOC		1.527	1.527								
592-910760	7/12/2023 10:05:05 AM		VOC		1.572	1.572								
592-910760	7/12/2023 10:04:55 AM		VOC		1.539	1.539								
592-910760	7/12/2023 10:04:45 AM		VOC		1.56	1.56								
592-910760	7/12/2023 10:04:35 AM		VOC		1.587	1.587								
592-910760	7/12/2023 10:04:25 AM		VOC		1.584	1.584								
592-910760	7/12/2023 10:04:15 AM		VOC		1.582	1.582								
592-910760	7/12/2023 10:04:05 AM		VOC		1.593	1.593								
592-910760	7/12/2023 10:03:55 AM		VOC		1.587	1.587								
592-910760	7/12/2023 10:03:45 AM		VOC		1.586	1.586								
592-910760	7/12/2023 10:03:35 AM		VOC		1.58	1.58								
592-910760	7/12/2023 10:03:25 AM		VOC		1.577	1.577								
592-910760	7/12/2023 10:03:15 AM		VOC		1.579	1.579								
592-910760	7/12/2023 10:03:05 AM		VOC		1.574	1.574								
592-910760	7/12/2023 10:02:55 AM		VOC		1.572	1.572								
592-910760	7/12/2023 10:02:45 AM		VOC		1.569	1.569								
592-910760	7/12/2023 10:02:35 AM		VOC		1.568	1.568								
592-910760	7/12/2023 10:02:25 AM		VOC		1.571	1.571								
592-910760	7/12/2023 10:02:15 AM		VOC		1.569	1.569								
592-910760	7/12/2023 10:02:05 AM		VOC		1.569	1.569								
592-910760	7/12/2023 10:01:55 AM		VOC		1.572	1.572								
592-910760	7/12/2023 10:01:45 AM		VOC		1.57	1.57								
592-910760	7/12/2023 10:01:35 AM		VOC		1.567	1.567								
592-910760	7/12/2023 10:01:25 AM		VOC		1.571	1.571								
592-910760	7/12/2023 10:01:15 AM		VOC		1.5	1.5								
592-910760	7/12/2023 10:01:05 AM		VOC		1.49	1.49								
592-910760	7/12/2023 10:00:55 AM		VOC		1.548	1.548								
592-910760	7/12/2023 10:00:45 AM		VOC		1.415	1.415								
592-910760	7/12/2023 10:00:35 AM		VOC		1.585	1.585								
592-910760	7/12/2023 10:00:25 AM		VOC		1.589	1.589								
592-910760	7/12/2023 10:00:15 AM		VOC		1.593	1.593								
592-910760	7/12/2023 10:00:05 AM		VOC		1.595	1.595								
592-910760	7/12/2023 9:59:55 AM		VOC		1.603	1.603								
592-910760	7/12/2023 9:59:45 AM		VOC		1.557	1.557								
592-910760	7/12/2023 9:59:35 AM		VOC		1.609	1.609								
592-910760	7/12/2023 9:59:25 AM		VOC		1.612	1.612								
592-910760	7/12/2023 9:59:15 AM		VOC		1.609	1.609								
592-910760	7/12/2023 9:59:05 AM		VOC		1.607	1.607								
592-910760	7/12/2023 9:58:55 AM		VOC		1.6	1.6								
592-910760	7/12/2023 9:58:45 AM		VOC		1.616	1.616								
592-910760	7/12/2023 9:58:35 AM		VOC		1.603	1.603								
592-910760	7/12/2023 9:58:25 AM		VOC		1.593	1.593								
592-910760	7/12/2023 9:58:15 AM		VOC		1.588	1.588								
592-910760	7/12/2023 9:58:05 AM		VOC		1.593	1.593								
592-910760	7/12/2023 9:57:55 AM		VOC		1.598	1.598								
592-910760	7/12/2023 9:57:45 AM		VOC		1.602	1.602								
592-910760	7/12/2023 9:57:35 AM		VOC		1.606	1.606								
592-910760	7/12/2023 9:57:25 AM		VOC		1.606	1.606								
592-910760	7/12/2023 9:57:15 AM		VOC		1.605	1.605								
592-910760	7/12/2023 9:57:05 AM		VOC		1.605	1.605								
592-910760	7/12/2023 9:56:55 AM		VOC		1.609	1.609								
592-910760	7/12/2023 9:56:45 AM		VOC		1.601	1.601								
592-910760	7/12/2023 9:56:35 AM		VOC		1.607	1.607								
592-910760	7/12/2023 9:56:25 AM		VOC		1.616	1.616								
592-910760	7/12/2023 9:56:15 AM		VOC		1.622	1.622								
592-910760	7/12/2023 9:56:05 AM		VOC		1.627	1.627								
592-910760	7/12/2023 9:55:55 AM		VOC		1.63	1.63								
592-910760	7/12/2023 9:55:45 AM		VOC		1.635	1.635								
592-910760	7/12/2023 9:55:35 AM		VOC		1.646	1.646								
592-910760	7/12/2023 9:55:25 AM		VOC		1.642	1.642								
592-910760	7/12/2023 9:55:15 AM		VOC		1.638	1.638								

592-910760	7/12/2023 9:55:05 AM		VOC		1.641	1.641								
592-910760	7/12/2023 9:54:55 AM		VOC		1.638	1.638								
592-910760	7/12/2023 9:54:45 AM		VOC		1.633	1.633								
592-910760	7/12/2023 9:54:35 AM		VOC		1.651	1.651								
592-910760	7/12/2023 9:54:25 AM		VOC		1.652	1.652								
592-910760	7/12/2023 9:54:15 AM		VOC		1.524	1.524								
592-910760	7/12/2023 9:54:05 AM		VOC		1.562	1.562								
592-910760	7/12/2023 9:53:55 AM		VOC		1.449	1.449								
592-910760	7/12/2023 9:53:45 AM		VOC		1.608	1.608								
592-910760	7/12/2023 9:53:35 AM		VOC		1.647	1.647								
592-910760	7/12/2023 9:53:25 AM		VOC		1.648	1.648								
592-910760	7/12/2023 9:53:15 AM		VOC		1.655	1.655								
592-910760	7/12/2023 9:53:05 AM		VOC		1.657	1.657								
592-910760	7/12/2023 9:52:55 AM		VOC		1.66	1.66								
592-910760	7/12/2023 9:52:45 AM		VOC		1.658	1.658								
592-910760	7/12/2023 9:52:35 AM		VOC		1.648	1.648								
592-910760	7/12/2023 9:52:25 AM		VOC		1.644	1.644								
592-910760	7/12/2023 9:52:15 AM		VOC		1.635	1.635								
592-910760	7/12/2023 9:52:05 AM		VOC		1.626	1.626								
592-910760	7/12/2023 9:51:55 AM		VOC		1.624	1.624								
592-910760	7/12/2023 9:51:45 AM		VOC		1.623	1.623								
592-910760	7/12/2023 9:51:35 AM		VOC		1.625	1.625								
592-910760	7/12/2023 9:51:25 AM		VOC		1.631	1.631								
592-910760	7/12/2023 9:51:15 AM		VOC		1.63	1.63								
592-910760	7/12/2023 9:51:05 AM		VOC		1.626	1.626								
592-910760	7/12/2023 9:50:55 AM		VOC		1.614	1.614								
592-910760	7/12/2023 9:50:45 AM		VOC		1.616	1.616								
592-910760	7/12/2023 9:50:35 AM		VOC		1.61	1.61								
592-910760	7/12/2023 9:50:25 AM		VOC		1.606	1.606								
592-910760	7/12/2023 9:50:15 AM		VOC		1.613	1.613								
592-910760	7/12/2023 9:50:05 AM		VOC		1.599	1.599								
592-910760	7/12/2023 9:49:55 AM		VOC		1.592	1.592								
592-910760	7/12/2023 9:49:45 AM		VOC		1.584	1.584								
592-910760	7/12/2023 9:49:35 AM		VOC		1.586	1.586								
592-910760	7/12/2023 9:49:25 AM		VOC		1.584	1.584								
592-910760	7/12/2023 9:49:15 AM		VOC		1.577	1.577								
592-910760	7/12/2023 9:49:05 AM		VOC		1.569	1.569								
592-910760	7/12/2023 9:48:55 AM		VOC		1.567	1.567								
592-910760	7/12/2023 9:48:45 AM		VOC		1.562	1.562								
592-910760	7/12/2023 9:48:35 AM		VOC		1.557	1.557								
592-910760	7/12/2023 9:48:25 AM		VOC		1.558	1.558								
592-910760	7/12/2023 9:48:15 AM		VOC		1.553	1.553								
592-910760	7/12/2023 9:48:05 AM		VOC		1.548	1.548								
592-910760	7/12/2023 9:47:55 AM		VOC		1.561	1.561								
592-910760	7/12/2023 9:47:45 AM		VOC		1.54	1.54								
592-910760	7/12/2023 9:47:35 AM		VOC		1.537	1.537								
592-910760	7/12/2023 9:47:25 AM		VOC		1.524	1.524								
592-910760	7/12/2023 9:47:15 AM		VOC		1.53	1.53								
592-910760	7/12/2023 9:47:05 AM		VOC		1.528	1.528								
592-910760	7/12/2023 9:46:55 AM		VOC		1.527	1.527								
592-910760	7/12/2023 9:46:45 AM		VOC		1.519	1.519								
592-910760	7/12/2023 9:46:35 AM		VOC		1.522	1.522								
592-910760	7/12/2023 9:46:25 AM		VOC		1.517	1.517								
592-910760	7/12/2023 9:46:15 AM		VOC		1.504	1.504								
592-910760	7/12/2023 9:46:05 AM		VOC		1.499	1.499								
592-910760	7/12/2023 9:45:55 AM		VOC		1.498	1.498								
592-910760	7/12/2023 9:45:45 AM		VOC		1.493	1.493								
592-910760	7/12/2023 9:45:35 AM		VOC		1.487	1.487								
592-910760	7/12/2023 9:45:25 AM		VOC		1.49	1.49								
592-910760	7/12/2023 9:45:15 AM		VOC		1.491	1.491								
592-910760	7/12/2023 9:45:05 AM		VOC		1.486	1.486								
592-910760	7/12/2023 9:44:55 AM		VOC		1.478	1.478								
592-910760	7/12/2023 9:44:45 AM		VOC		1.485	1.485								
592-910760	7/12/2023 9:44:35 AM		VOC		1.481	1.481								
592-910760	7/12/2023 9:44:25 AM		VOC		1.479	1.479								
592-910760	7/12/2023 9:44:15 AM		VOC		1.476	1.476								
592-910760	7/12/2023 9:44:05 AM		VOC		1.475	1.475								
592-910760	7/12/2023 9:43:55 AM		VOC		1.468	1.468								
592-910760	7/12/2023 9:43:45 AM		VOC		1.471	1.471								
592-910760	7/12/2023 9:43:35 AM		VOC		1.464	1.464								
592-910760	7/12/2023 9:43:25 AM		VOC		1.463	1.463								
592-910760	7/12/2023 9:43:15 AM		VOC		1.459	1.459								
592-910760	7/12/2023 9:43:05 AM		VOC		1.455	1.455								
592-910760	7/12/2023 9:42:55 AM		VOC		1.449	1.449								
592-910760	7/12/2023 9:42:45 AM		VOC		1.443	1.443								
592-910760	7/12/2023 9:42:35 AM		VOC		1.437	1.437								
592-910760	7/12/2023 9:42:25 AM		VOC		1.44	1.44								
592-910760	7/12/2023 9:42:15 AM		VOC		1.433	1.433								
592-910760	7/12/2023 9:42:05 AM		VOC		1.427	1.427								
592-910760	7/12/2023 9:41:55 AM		VOC		1.421	1.421								
592-910760	7/12/2023 9:41:45 AM		VOC		1.427	1.427								
592-910760	7/12/2023 9:41:35 AM		VOC		1.438	1.438								
592-910760	7/12/2023 9:41:25 AM		VOC		1.437	1.437								
592-910760	7/12/2023 9:41:15 AM		VOC		1.432	1.432								
592-910760	7/12/2023 9:41:05 AM		VOC		1.432	1.432								
592-910760	7/12/2023 9:40:55 AM		VOC		1.433	1.433								
592-910760	7/12/2023 9:40:45 AM		VOC		1.434	1.434								
592-910760	7/12/2023 9:40:35 AM		VOC		1.429	1.429								
592-910760	7/12/2023 9:40:25 AM		VOC		1.424	1.424								
592-910760	7/12/2023 9:40:15 AM		VOC		1.431	1.431								
592-910760	7/12/2023 9:40:05 AM		VOC		1.436	1.436								
592-910760	7/12/2023 9:39:55 AM		VOC		1.441	1.441								
592-910760	7/12/2023 9:39:45 AM		VOC		1.445	1.445								
592-910760	7/12/2023 9:39:35 AM		VOC		1.441	1.441								
592-910760	7/12/2023 9:39:25 AM		VOC		1.446	1.446								
592-910760	7/12/2023 9:39:15 AM		VOC		1.454	1.454								
592-910760	7/12/2023 9:39:05 AM		VOC		1.448	1.448								
592-910760	7/12/2023 9:38:55 AM		VOC		1.45	1.45								
592-910760	7/12/2023 9:38:45 AM		VOC		1.46	1.46								
592-910760	7/12/2023 9:38:35 AM		VOC		1.472	1.472								
592-910760	7/12/2023 9:38:25 AM		VOC		1.462	1.462								

592-910760	7/12/2023 9:38:15 AM		VOC		1.464	1.464								
592-910760	7/12/2023 9:38:05 AM		VOC		1.469	1.469								
592-910760	7/12/2023 9:37:55 AM		VOC		1.468	1.468								
592-910760	7/12/2023 9:37:45 AM		VOC		1.472	1.472								
592-910760	7/12/2023 9:37:35 AM		VOC		1.467	1.467								
592-910760	7/12/2023 9:37:25 AM		VOC		1.465	1.465								
592-910760	7/12/2023 9:37:15 AM		VOC		1.461	1.461								
592-910760	7/12/2023 9:37:05 AM		VOC		1.458	1.458								
592-910760	7/12/2023 9:36:55 AM		VOC		1.455	1.455								
592-910760	7/12/2023 9:36:45 AM		VOC		1.459	1.459								
592-910760	7/12/2023 9:36:35 AM		VOC		1.46	1.46								
592-910760	7/12/2023 9:36:25 AM		VOC		1.459	1.459								
592-910760	7/12/2023 9:36:15 AM		VOC		1.463	1.463								
592-910760	7/12/2023 9:36:05 AM		VOC		1.468	1.468								
592-910760	7/12/2023 9:35:55 AM		VOC		1.472	1.472								
592-910760	7/12/2023 9:35:45 AM		VOC		1.415	1.415								
592-910760	7/12/2023 9:35:35 AM		VOC		1.48	1.48								
592-910760	7/12/2023 9:35:25 AM		VOC		1.483	1.483								
592-910760	7/12/2023 9:35:15 AM		VOC		1.479	1.479								
592-910760	7/12/2023 9:35:05 AM		VOC		1.474	1.474								
592-910760	7/12/2023 9:34:55 AM		VOC		1.481	1.481								
592-910760	7/12/2023 9:34:45 AM		VOC		1.489	1.489								
592-910760	7/12/2023 9:34:35 AM		VOC		1.48	1.48								
592-910760	7/12/2023 9:34:25 AM		VOC		1.477	1.477								
592-910760	7/12/2023 9:34:15 AM		VOC		1.477	1.477								
592-910760	7/12/2023 9:34:05 AM		VOC		1.475	1.475								
592-910760	7/12/2023 9:33:55 AM		VOC		1.475	1.475								
592-910760	7/12/2023 9:33:45 AM		VOC		1.473	1.473								
592-910760	7/12/2023 9:33:35 AM		VOC		1.477	1.477								
592-910760	7/12/2023 9:33:25 AM		VOC		1.48	1.48								
592-910760	7/12/2023 9:33:15 AM		VOC		1.481	1.481								
592-910760	7/12/2023 9:33:05 AM		VOC		1.483	1.483								
592-910760	7/12/2023 9:32:55 AM		VOC		1.486	1.486								
592-910760	7/12/2023 9:32:45 AM		VOC		1.485	1.485								
592-910760	7/12/2023 9:32:35 AM		VOC		1.485	1.485								
592-910760	7/12/2023 9:32:25 AM		VOC		1.486	1.486								
592-910760	7/12/2023 9:32:15 AM		VOC		1.488	1.488								
592-910760	7/12/2023 9:32:05 AM		VOC		1.493	1.493								
592-910760	7/12/2023 9:31:55 AM		VOC		1.502	1.502								
592-910760	7/12/2023 9:31:45 AM		VOC		1.499	1.499								
592-910760	7/12/2023 9:31:35 AM		VOC		1.495	1.495								
592-910760	7/12/2023 9:31:25 AM		VOC		1.497	1.497								
592-910760	7/12/2023 9:31:15 AM		VOC		1.496	1.496								
592-910760	7/12/2023 9:31:05 AM		VOC		1.492	1.492								
592-910760	7/12/2023 9:30:55 AM		VOC		1.489	1.489								
592-910760	7/12/2023 9:30:45 AM		VOC		1.493	1.493								
592-910760	7/12/2023 9:30:35 AM		VOC		1.498	1.498								
592-910760	7/12/2023 9:30:25 AM		VOC		1.504	1.504								
592-910760	7/12/2023 9:30:15 AM		VOC		1.513	1.513								
592-910760	7/12/2023 9:30:05 AM		VOC		1.516	1.516								
592-910760	7/12/2023 9:29:55 AM		VOC		1.498	1.498								
592-910760	7/12/2023 9:29:45 AM		VOC		1.5	1.5								
592-910760	7/12/2023 9:29:35 AM		VOC		1.501	1.501								
592-910760	7/12/2023 9:29:25 AM		VOC		1.501	1.501								
592-910760	7/12/2023 9:29:15 AM		VOC		1.501	1.501								
592-910760	7/12/2023 9:29:05 AM		VOC		1.496	1.496								
592-910760	7/12/2023 9:28:55 AM		VOC		1.489	1.489								
592-910760	7/12/2023 9:28:45 AM		VOC		1.492	1.492								
592-910760	7/12/2023 9:28:35 AM		VOC		1.49	1.49								
592-910760	7/12/2023 9:28:25 AM		VOC		1.487	1.487								
592-910760	7/12/2023 9:28:15 AM		VOC		1.492	1.492								
592-910760	7/12/2023 9:28:05 AM		VOC		1.488	1.488								
592-910760	7/12/2023 9:27:55 AM		VOC		1.49	1.49								
592-910760	7/12/2023 9:27:45 AM		VOC		1.496	1.496								
592-910760	7/12/2023 9:27:35 AM		VOC		1.47	1.47								
592-910760	7/12/2023 9:27:25 AM		VOC		1.479	1.479								
592-910760	7/12/2023 9:27:15 AM		VOC		1.47	1.47								
592-910760	7/12/2023 9:27:05 AM		VOC		1.472	1.472								
592-910760	7/12/2023 9:26:55 AM		VOC		1.474	1.474								
592-910760	7/12/2023 9:26:45 AM		VOC		1.454	1.454								
592-910760	7/12/2023 9:26:35 AM		VOC		1.432	1.432								
592-910760	7/12/2023 9:26:25 AM		VOC		1.429	1.429								
592-910760	7/12/2023 9:26:15 AM		VOC		1.421	1.421								
592-910760	7/12/2023 9:26:05 AM		VOC		1.423	1.423								
592-910760	7/12/2023 9:25:55 AM		VOC		1.429	1.429								
592-910760	7/12/2023 9:25:45 AM		VOC		1.418	1.418								
592-910760	7/12/2023 9:25:35 AM		VOC		1.406	1.406								
592-910760	7/12/2023 9:25:25 AM		VOC		1.398	1.398								
592-910760	7/12/2023 9:25:15 AM		VOC		1.386	1.386								
592-910760	7/12/2023 9:25:05 AM		VOC		1.387	1.387								
592-910760	7/12/2023 9:24:55 AM		VOC		1.389	1.389								
592-910760	7/12/2023 9:24:45 AM		VOC		1.36	1.36								
592-910760	7/12/2023 9:24:35 AM		VOC		1.341	1.341								
592-910760	7/12/2023 9:24:25 AM		VOC		1.332	1.332								
592-910760	7/12/2023 9:24:15 AM		VOC		1.311	1.311								
592-910760	7/12/2023 9:24:05 AM		VOC		1.304	1.304								
592-910760	7/12/2023 9:23:55 AM		VOC		1.305	1.305								
592-910760	7/12/2023 9:23:45 AM		VOC		1.295	1.295								
592-910760	7/12/2023 9:23:35 AM		VOC		1.291	1.291								
592-910760	7/12/2023 9:23:25 AM		VOC		1.29	1.29								
592-910760	7/12/2023 9:23:15 AM		VOC		1.29	1.29								
592-910760	7/12/2023 9:23:05 AM		VOC		1.285	1.285								
592-910760	7/12/2023 9:22:55 AM		VOC		1.279	1.279								
592-910760	7/12/2023 9:22:45 AM		VOC		1.282	1.282								
592-910760	7/12/2023 9:22:35 AM		VOC		1.282	1.282								
592-910760	7/12/2023 9:22:25 AM		VOC		1.284	1.284								
592-910760	7/12/2023 9:22:15 AM		VOC		1.287	1.287								
592-910760	7/12/2023 9:22:05 AM		VOC		1.289	1.289								
592-910760	7/12/2023 9:21:55 AM		VOC		1.287	1.287								
592-910760	7/12/2023 9:21:45 AM		VOC		1.289	1.289								
592-910760	7/12/2023 9:21:35 AM		VOC		1.287	1.287								

592-910760	7/12/2023 9:21:25 AM		VOC		1.285	1.285								
592-910760	7/12/2023 9:21:15 AM		VOC		1.284	1.284								
592-910760	7/12/2023 9:21:05 AM		VOC		1.284	1.284								
592-910760	7/12/2023 9:20:55 AM		VOC		1.281	1.281								
592-910760	7/12/2023 9:20:45 AM		VOC		1.277	1.277								
592-910760	7/12/2023 9:20:35 AM		VOC		1.277	1.277								
592-910760	7/12/2023 9:20:25 AM		VOC		1.271	1.271								
592-910760	7/12/2023 9:20:15 AM		VOC		1.274	1.274								
592-910760	7/12/2023 9:20:05 AM		VOC		1.275	1.275								
592-910760	7/12/2023 9:19:55 AM		VOC		1.276	1.276								
592-910760	7/12/2023 9:19:45 AM		VOC		1.275	1.275								
592-910760	7/12/2023 9:19:35 AM		VOC		1.275	1.275								
592-910760	7/12/2023 9:19:25 AM		VOC		1.272	1.272								
592-910760	7/12/2023 9:19:15 AM		VOC		1.27	1.27								
592-910760	7/12/2023 9:19:05 AM		VOC		1.265	1.265								
592-910760	7/12/2023 9:18:55 AM		VOC		1.269	1.269								
592-910760	7/12/2023 9:18:45 AM		VOC		1.265	1.265								
592-910760	7/12/2023 9:18:35 AM		VOC		1.261	1.261								
592-910760	7/12/2023 9:18:25 AM		VOC		1.264	1.264								
592-910760	7/12/2023 9:18:15 AM		VOC		1.265	1.265								
592-910760	7/12/2023 9:18:05 AM		VOC		1.266	1.266								
592-910760	7/12/2023 9:17:55 AM		VOC		1.262	1.262								
592-910760	7/12/2023 9:17:45 AM		VOC		1.26	1.26								
592-910760	7/12/2023 9:17:35 AM		VOC		1.258	1.258								
592-910760	7/12/2023 9:17:25 AM		VOC		1.249	1.249								
592-910760	7/12/2023 9:17:15 AM		VOC		1.248	1.248								
592-910760	7/12/2023 9:17:05 AM		VOC		1.251	1.251								
592-910760	7/12/2023 9:16:55 AM		VOC		1.246	1.246								
592-910760	7/12/2023 9:16:45 AM		VOC		1.243	1.243								
592-910760	7/12/2023 9:16:35 AM		VOC		1.247	1.247								
592-910760	7/12/2023 9:16:25 AM		VOC		1.243	1.243								
592-910760	7/12/2023 9:16:15 AM		VOC		1.238	1.238								
592-910760	7/12/2023 9:16:05 AM		VOC		1.235	1.235								
592-910760	7/12/2023 9:15:55 AM		VOC		1.233	1.233								
592-910760	7/12/2023 9:15:45 AM		VOC		1.234	1.234								
592-910760	7/12/2023 9:15:35 AM		VOC		1.232	1.232								
592-910760	7/12/2023 9:15:25 AM		VOC		1.228	1.228								
592-910760	7/12/2023 9:15:15 AM		VOC		1.227	1.227								
592-910760	7/12/2023 9:15:05 AM		VOC		1.223	1.223								
592-910760	7/12/2023 9:14:55 AM		VOC		1.223	1.223								
592-910760	7/12/2023 9:14:45 AM		VOC		1.221	1.221								
592-910760	7/12/2023 9:14:35 AM		VOC		1.218	1.218								
592-910760	7/12/2023 9:14:25 AM		VOC		1.22	1.22								
592-910760	7/12/2023 9:14:15 AM		VOC		1.219	1.219								
592-910760	7/12/2023 9:14:05 AM		VOC		1.223	1.223								
592-910760	7/12/2023 9:13:55 AM		VOC		1.219	1.219								
592-910760	7/12/2023 9:13:45 AM		VOC		1.22	1.22								
592-910760	7/12/2023 9:13:35 AM		VOC		1.241	1.241								
592-910760	7/12/2023 9:13:25 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:13:15 AM		VOC		1.209	1.209								
592-910760	7/12/2023 9:13:05 AM		VOC		1.21	1.21								
592-910760	7/12/2023 9:12:55 AM		VOC		1.214	1.214								
592-910760	7/12/2023 9:12:45 AM		VOC		1.214	1.214								
592-910760	7/12/2023 9:12:35 AM		VOC		1.214	1.214								
592-910760	7/12/2023 9:12:25 AM		VOC		1.212	1.212								
592-910760	7/12/2023 9:12:15 AM		VOC		1.208	1.208								
592-910760	7/12/2023 9:12:05 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:11:55 AM		VOC		1.212	1.212								
592-910760	7/12/2023 9:11:45 AM		VOC		1.215	1.215								
592-910760	7/12/2023 9:11:35 AM		VOC		1.214	1.214								
592-910760	7/12/2023 9:11:25 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:11:15 AM		VOC		1.213	1.213								
592-910760	7/12/2023 9:11:05 AM		VOC		1.213	1.213								
592-910760	7/12/2023 9:10:55 AM		VOC		1.215	1.215								
592-910760	7/12/2023 9:10:45 AM		VOC		1.213	1.213								
592-910760	7/12/2023 9:10:35 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:10:25 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:10:15 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:10:05 AM		VOC		1.21	1.21								
592-910760	7/12/2023 9:09:55 AM		VOC		1.209	1.209								
592-910760	7/12/2023 9:09:45 AM		VOC		1.212	1.212								
592-910760	7/12/2023 9:09:35 AM		VOC		1.214	1.214								
592-910760	7/12/2023 9:09:25 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:09:15 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:09:05 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:08:55 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:08:45 AM		VOC		1.208	1.208								
592-910760	7/12/2023 9:08:35 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:08:25 AM		VOC		1.209	1.209								
592-910760	7/12/2023 9:08:15 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:08:05 AM		VOC		1.212	1.212								
592-910760	7/12/2023 9:07:55 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:07:45 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:07:35 AM		VOC		1.212	1.212								
592-910760	7/12/2023 9:07:25 AM		VOC		1.213	1.213								
592-910760	7/12/2023 9:07:15 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:07:05 AM		VOC		1.211	1.211								
592-910760	7/12/2023 9:06:55 AM		VOC		1.21	1.21								
592-910760	7/12/2023 9:06:45 AM		VOC		1.212	1.212								
592-910760	7/12/2023 9:06:35 AM		VOC		1.21	1.21								
592-910760	7/12/2023 9:06:25 AM		VOC		1.21	1.21								
592-910760	7/12/2023 9:06:15 AM		VOC		1.205	1.205								
592-910760	7/12/2023 9:06:05 AM		VOC		1.206	1.206								
592-910760	7/12/2023 9:05:55 AM		VOC		1.206	1.206								
592-910760	7/12/2023 9:05:45 AM		VOC		1.206	1.206								
592-910760	7/12/2023 9:05:35 AM		VOC		1.206	1.206								
592-910760	7/12/2023 9:05:25 AM		VOC		1.209	1.209								
592-910760	7/12/2023 9:05:15 AM		VOC		1.207	1.207								
592-910760	7/12/2023 9:05:05 AM		VOC		1.206	1.206								
592-910760	7/12/2023 9:04:55 AM		VOC		1.203	1.203								
592-910760	7/12/2023 9:04:45 AM		VOC		1.203	1.203								

592-910760	7/12/2023 9:04:35 AM		VOC		1.206	1.206								
592-910760	7/12/2023 9:04:25 AM		VOC		1.206	1.206								
592-910760	7/12/2023 9:04:15 AM		VOC		1.205	1.205								
592-910760	7/12/2023 9:04:05 AM		VOC		1.203	1.203								
592-910760	7/12/2023 9:03:55 AM		VOC		1.201	1.201								
592-910760	7/12/2023 9:03:45 AM		VOC		1.203	1.203								
592-910760	7/12/2023 9:03:35 AM		VOC		1.202	1.202								
592-910760	7/12/2023 9:03:25 AM		VOC		1.202	1.202								
592-910760	7/12/2023 9:03:15 AM		VOC		1.201	1.201								
592-910760	7/12/2023 9:03:05 AM		VOC		1.199	1.199								
592-910760	7/12/2023 9:02:55 AM		VOC		1.198	1.198								
592-910760	7/12/2023 9:02:45 AM		VOC		1.198	1.198								
592-910760	7/12/2023 9:02:35 AM		VOC		1.196	1.196								
592-910760	7/12/2023 9:02:25 AM		VOC		1.195	1.195								
592-910760	7/12/2023 9:02:15 AM		VOC		1.194	1.194								
592-910760	7/12/2023 9:02:05 AM		VOC		1.195	1.195								
592-910760	7/12/2023 9:01:55 AM		VOC		1.193	1.193								
592-910760	7/12/2023 9:01:45 AM		VOC		1.193	1.193								
592-910760	7/12/2023 9:01:35 AM		VOC		1.193	1.193								
592-910760	7/12/2023 9:01:25 AM		VOC		1.193	1.193								
592-910760	7/12/2023 9:01:15 AM		VOC		1.19	1.19								
592-910760	7/12/2023 9:01:05 AM		VOC		1.192	1.192								
592-910760	7/12/2023 9:00:55 AM		VOC		1.192	1.192								
592-910760	7/12/2023 9:00:45 AM		VOC		1.195	1.195								
592-910760	7/12/2023 9:00:35 AM		VOC		1.193	1.193								
592-910760	7/12/2023 9:00:25 AM		VOC		1.19	1.19								
592-910760	7/12/2023 9:00:15 AM		VOC		1.193	1.193								
592-910760	7/12/2023 9:00:05 AM		VOC		1.192	1.192								
592-910760	7/12/2023 8:59:55 AM		VOC		1.192	1.192								
592-910760	7/12/2023 8:59:45 AM		VOC		1.191	1.191								
592-910760	7/12/2023 8:59:35 AM		VOC		1.19	1.19								
592-910760	7/12/2023 8:59:25 AM		VOC		1.192	1.192								
592-910760	7/12/2023 8:59:15 AM		VOC		1.193	1.193								
592-910760	7/12/2023 8:59:05 AM		VOC		1.192	1.192								
592-910760	7/12/2023 8:58:55 AM		VOC		1.191	1.191								
592-910760	7/12/2023 8:58:45 AM		VOC		1.192	1.192								
592-910760	7/12/2023 8:58:35 AM		VOC		1.192	1.192								
592-910760	7/12/2023 8:58:25 AM		VOC		1.194	1.194								
592-910760	7/12/2023 8:58:15 AM		VOC		1.194	1.194								
592-910760	7/12/2023 8:58:05 AM		VOC		1.19	1.19								
592-910760	7/12/2023 8:57:55 AM		VOC		1.188	1.188								
592-910760	7/12/2023 8:57:45 AM		VOC		1.189	1.189								
592-910760	7/12/2023 8:57:35 AM		VOC		1.189	1.189								
592-910760	7/12/2023 8:57:25 AM		VOC		1.192	1.192								
592-910760	7/12/2023 8:57:15 AM		VOC		1.192	1.192								
592-910760	7/12/2023 8:57:05 AM		VOC		1.191	1.191								
592-910760	7/12/2023 8:56:55 AM		VOC		1.19	1.19								
592-910760	7/12/2023 8:56:45 AM		VOC		1.193	1.193								
592-910760	7/12/2023 8:56:35 AM		VOC		1.193	1.193								
592-910760	7/12/2023 8:56:25 AM		VOC		1.193	1.193								
592-910760	7/12/2023 8:56:15 AM		VOC		1.192	1.192								
592-910760	7/12/2023 8:56:05 AM		VOC		1.19	1.19								
592-910760	7/12/2023 8:55:55 AM		VOC		1.189	1.189								
592-910760	7/12/2023 8:55:45 AM		VOC		1.189	1.189								
592-910760	7/12/2023 8:55:35 AM		VOC		1.187	1.187								
592-910760	7/12/2023 8:55:25 AM		VOC		1.186	1.186								
592-910760	7/12/2023 8:55:15 AM		VOC		1.185	1.185								
592-910760	7/12/2023 8:55:05 AM		VOC		1.185	1.185								
592-910760	7/12/2023 8:54:55 AM		VOC		1.188	1.188								
592-910760	7/12/2023 8:54:45 AM		VOC		1.187	1.187								
592-910760	7/12/2023 8:54:35 AM		VOC		1.184	1.184								
592-910760	7/12/2023 8:54:25 AM		VOC		1.183	1.183								
592-910760	7/12/2023 8:54:15 AM		VOC		1.184	1.184								
592-910760	7/12/2023 8:54:05 AM		VOC		1.185	1.185								
592-910760	7/12/2023 8:53:55 AM		VOC		1.18	1.18								
592-910760	7/12/2023 8:53:45 AM		VOC		1.18	1.18								
592-910760	7/12/2023 8:53:35 AM		VOC		1.182	1.182								
592-910760	7/12/2023 8:53:25 AM		VOC		1.184	1.184								
592-910760	7/12/2023 8:53:15 AM		VOC		1.182	1.182								
592-910760	7/12/2023 8:53:05 AM		VOC		1.183	1.183								
592-910760	7/12/2023 8:52:55 AM		VOC		1.181	1.181								
592-910760	7/12/2023 8:52:45 AM		VOC		1.183	1.183								
592-910760	7/12/2023 8:52:35 AM		VOC		1.181	1.181								
592-910760	7/12/2023 8:52:25 AM		VOC		1.179	1.179								
592-910760	7/12/2023 8:52:15 AM		VOC		1.183	1.183								
592-910760	7/12/2023 8:52:05 AM		VOC		1.181	1.181								
592-910760	7/12/2023 8:51:55 AM		VOC		1.179	1.179								
592-910760	7/12/2023 8:51:45 AM		VOC		1.177	1.177								
592-910760	7/12/2023 8:51:35 AM		VOC		1.176	1.176								
592-910760	7/12/2023 8:51:25 AM		VOC		1.177	1.177								
592-910760	7/12/2023 8:51:15 AM		VOC		1.177	1.177								
592-910760	7/12/2023 8:51:05 AM		VOC		1.177	1.177								
592-910760	7/12/2023 8:50:55 AM		VOC		1.176	1.176								
592-910760	7/12/2023 8:50:45 AM		VOC		1.177	1.177								
592-910760	7/12/2023 8:50:35 AM		VOC		1.176	1.176								
592-910760	7/12/2023 8:50:25 AM		VOC		1.175	1.175								
592-910760	7/12/2023 8:50:15 AM		VOC		1.179	1.179								
592-910760	7/12/2023 8:50:05 AM		VOC		1.179	1.179								
592-910760	7/12/2023 8:49:55 AM		VOC		1.179	1.179								
592-910760	7/12/2023 8:49:45 AM		VOC		1.178	1.178								
592-910760	7/12/2023 8:49:35 AM		VOC		1.179	1.179								
592-910760	7/12/2023 8:49:25 AM		VOC		1.181	1.181								
592-910760	7/12/2023 8:49:15 AM		VOC		1.178	1.178								
592-910760	7/12/2023 8:49:05 AM		VOC		1.176	1.176								
592-910760	7/12/2023 8:48:55 AM		VOC		1.177	1.177								
592-910760	7/12/2023 8:48:45 AM		VOC		1.176	1.176								
592-910760	7/12/2023 8:48:35 AM		VOC		1.178	1.178								
592-910760	7/12/2023 8:48:25 AM		VOC		1.179	1.179								
592-910760	7/12/2023 8:48:15 AM		VOC		1.178	1.178								
592-910760	7/12/2023 8:48:05 AM		VOC		1.177	1.177								
592-910760	7/12/2023 8:47:55 AM		VOC		1.177	1.177								

592-910760	7/12/2023 8:47:45 AM		VOC		1.176	1.176								
592-910760	7/12/2023 8:47:35 AM		VOC		1.178	1.178								
592-910760	7/12/2023 8:47:25 AM		VOC		1.179	1.179								
592-910760	7/12/2023 8:47:15 AM		VOC		1.177	1.177								
592-910760	7/12/2023 8:47:05 AM		VOC		1.176	1.176								
592-910760	7/12/2023 8:46:55 AM		VOC		1.178	1.178								
592-910760	7/12/2023 8:46:45 AM		VOC		1.182	1.182								
592-910760	7/12/2023 8:46:35 AM		VOC		1.18	1.18								
592-910760	7/12/2023 8:46:25 AM		VOC		1.177	1.177								
592-910760	7/12/2023 8:46:15 AM		VOC		1.179	1.179								
592-910760	7/12/2023 8:46:05 AM		VOC		1.177	1.177								
592-910760	7/12/2023 8:45:55 AM		VOC		1.179	1.179								
592-910760	7/12/2023 8:45:45 AM		VOC		1.177	1.177								
592-910760	7/12/2023 8:45:35 AM		VOC		1.177	1.177								
592-910760	7/12/2023 8:45:25 AM		VOC		1.178	1.178								
592-910760	7/12/2023 8:45:15 AM		VOC		1.177	1.177								
592-910760	7/12/2023 8:45:05 AM		VOC		1.176	1.176								
592-910760	7/12/2023 8:44:55 AM		VOC		1.176	1.176								
592-910760	7/12/2023 8:44:45 AM		VOC		1.175	1.175								
592-910760	7/12/2023 8:44:35 AM		VOC		1.173	1.173								
592-910760	7/12/2023 8:44:25 AM		VOC		1.174	1.174								
592-910760	7/12/2023 8:44:15 AM		VOC		1.173	1.173								
592-910760	7/12/2023 8:44:05 AM		VOC		1.173	1.173								
592-910760	7/12/2023 8:43:55 AM		VOC		1.173	1.173								
592-910760	7/12/2023 8:43:45 AM		VOC		1.172	1.172								
592-910760	7/12/2023 8:43:35 AM		VOC		1.171	1.171								
592-910760	7/12/2023 8:43:25 AM		VOC		1.165	1.165								
592-910760	7/12/2023 8:43:15 AM		VOC		1.168	1.168								
592-910760	7/12/2023 8:43:05 AM		VOC		1.167	1.167								
592-910760	7/12/2023 8:42:55 AM		VOC		1.166	1.166								
592-910760	7/12/2023 8:42:45 AM		VOC		1.167	1.167								
592-910760	7/12/2023 8:42:35 AM		VOC		1.165	1.165								
592-910760	7/12/2023 8:42:25 AM		VOC		1.169	1.169								
592-910760	7/12/2023 8:42:15 AM		VOC		1.17	1.17								
592-910760	7/12/2023 8:42:05 AM		VOC		1.168	1.168								
592-910760	7/12/2023 8:41:55 AM		VOC		1.168	1.168								
592-910760	7/12/2023 8:41:45 AM		VOC		1.166	1.166								
592-910760	7/12/2023 8:41:35 AM		VOC		1.164	1.164								
592-910760	7/12/2023 8:41:25 AM		VOC		1.164	1.164								
592-910760	7/12/2023 8:41:15 AM		VOC		1.166	1.166								
592-910760	7/12/2023 8:41:05 AM		VOC		1.165	1.165								
592-910760	7/12/2023 8:40:55 AM		VOC		1.166	1.166								
592-910760	7/12/2023 8:40:45 AM		VOC		1.162	1.162								
592-910760	7/12/2023 8:40:35 AM		VOC		1.159	1.159								
592-910760	7/12/2023 8:40:25 AM		VOC		1.16	1.16								
592-910760	7/12/2023 8:40:15 AM		VOC		1.158	1.158								
592-910760	7/12/2023 8:40:05 AM		VOC		1.156	1.156								
592-910760	7/12/2023 8:39:55 AM		VOC		1.159	1.159								
592-910760	7/12/2023 8:39:45 AM		VOC		1.161	1.161								
592-910760	7/12/2023 8:39:35 AM		VOC		1.159	1.159								
592-910760	7/12/2023 8:39:25 AM		VOC		1.157	1.157								
592-910760	7/12/2023 8:39:15 AM		VOC		1.157	1.157								
592-910760	7/12/2023 8:39:05 AM		VOC		1.158	1.158								
592-910760	7/12/2023 8:38:55 AM		VOC		1.155	1.155								
592-910760	7/12/2023 8:38:45 AM		VOC		1.152	1.152								
592-910760	7/12/2023 8:38:35 AM		VOC		1.15	1.15								
592-910760	7/12/2023 8:38:25 AM		VOC		1.15	1.15								
592-910760	7/12/2023 8:38:15 AM		VOC		1.148	1.148								
592-910760	7/12/2023 8:38:05 AM		VOC		1.152	1.152								
592-910760	7/12/2023 8:37:55 AM		VOC		1.152	1.152								
592-910760	7/12/2023 8:37:45 AM		VOC		1.15	1.15								
592-910760	7/12/2023 8:37:35 AM		VOC		1.15	1.15								
592-910760	7/12/2023 8:37:25 AM		VOC		1.149	1.149								
592-910760	7/12/2023 8:37:15 AM		VOC		1.149	1.149								
592-910760	7/12/2023 8:37:05 AM		VOC		1.145	1.145								
592-910760	7/12/2023 8:36:55 AM		VOC		1.143	1.143								
592-910760	7/12/2023 8:36:45 AM		VOC		1.145	1.145								
592-910760	7/12/2023 8:36:35 AM		VOC		1.143	1.143								
592-910760	7/12/2023 8:36:25 AM		VOC		1.143	1.143								
592-910760	7/12/2023 8:36:15 AM		VOC		1.141	1.141								
592-910760	7/12/2023 8:36:05 AM		VOC		1.142	1.142								
592-910760	7/12/2023 8:35:55 AM		VOC		1.144	1.144								
592-910760	7/12/2023 8:35:45 AM		VOC		1.145	1.145								
592-910760	7/12/2023 8:35:35 AM		VOC		1.146	1.146								
592-910760	7/12/2023 8:35:25 AM		VOC		1.142	1.142								
592-910760	7/12/2023 8:35:15 AM		VOC		1.141	1.141								
592-910760	7/12/2023 8:35:05 AM		VOC		1.142	1.142								
592-910760	7/12/2023 8:34:55 AM		VOC		1.139	1.139								
592-910760	7/12/2023 8:34:45 AM		VOC		1.139	1.139								
592-910760	7/12/2023 8:34:35 AM		VOC		1.138	1.138								
592-910760	7/12/2023 8:34:25 AM		VOC		1.138	1.138								
592-910760	7/12/2023 8:34:15 AM		VOC		1.135	1.135								
592-910760	7/12/2023 8:34:05 AM		VOC		1.135	1.135								
592-910760	7/12/2023 8:33:55 AM		VOC		1.133	1.133								
592-910760	7/12/2023 8:33:45 AM		VOC		1.132	1.132								
592-910760	7/12/2023 8:33:35 AM		VOC		1.132	1.132								
592-910760	7/12/2023 8:33:25 AM		VOC		1.13	1.13								
592-910760	7/12/2023 8:33:15 AM		VOC		1.128	1.128								
592-910760	7/12/2023 8:33:05 AM		VOC		1.128	1.128								
592-910760	7/12/2023 8:32:55 AM		VOC		1.123	1.123								
592-910760	7/12/2023 8:32:45 AM		VOC		1.124	1.124								
592-910760	7/12/2023 8:32:35 AM		VOC		1.122	1.122								
592-910760	7/12/2023 8:32:25 AM		VOC		1.122	1.122								
592-910760	7/12/2023 8:32:15 AM		VOC		1.122	1.122								
592-910760	7/12/2023 8:32:05 AM		VOC		1.121	1.121								
592-910760	7/12/2023 8:31:55 AM		VOC		1.12	1.12								
592-910760	7/12/2023 8:31:45 AM		VOC		1.117	1.117								
592-910760	7/12/2023 8:31:35 AM		VOC		1.114	1.114								
592-910760	7/12/2023 8:31:25 AM		VOC		1.115	1.115								
592-910760	7/12/2023 8:31:15 AM		VOC		1.112	1.112								
592-910760	7/12/2023 8:31:05 AM		VOC		1.111	1.111								

592-910760	7/12/2023 8:30:55 AM		VOC		1.112	1.112								
592-910760	7/12/2023 8:30:45 AM		VOC		1.112	1.112								
592-910760	7/12/2023 8:30:35 AM		VOC		1.11	1.11								
592-910760	7/12/2023 8:30:25 AM		VOC		1.11	1.11								
592-910760	7/12/2023 8:30:15 AM		VOC		1.111	1.111								
592-910760	7/12/2023 8:30:05 AM		VOC		1.114	1.114								
592-910760	7/12/2023 8:29:55 AM		VOC		1.107	1.107								
592-910760	7/12/2023 8:29:45 AM		VOC		1.106	1.106								
592-910760	7/12/2023 8:29:35 AM		VOC		1.103	1.103								
592-910760	7/12/2023 8:29:25 AM		VOC		1.104	1.104								
592-910760	7/12/2023 8:29:15 AM		VOC		1.102	1.102								
592-910760	7/12/2023 8:29:05 AM		VOC		1.1	1.1								
592-910760	7/12/2023 8:28:55 AM		VOC		1.098	1.098								
592-910760	7/12/2023 8:28:45 AM		VOC		1.097	1.097								
592-910760	7/12/2023 8:28:35 AM		VOC		1.094	1.094								
592-910760	7/12/2023 8:28:25 AM		VOC		1.095	1.095								
592-910760	7/12/2023 8:28:15 AM		VOC		1.091	1.091								
592-910760	7/12/2023 8:28:05 AM		VOC		1.091	1.091								
592-910760	7/12/2023 8:27:55 AM		VOC		1.088	1.088								
592-910760	7/12/2023 8:27:45 AM		VOC		1.09	1.09								
592-910760	7/12/2023 8:27:35 AM		VOC		1.09	1.09								
592-910760	7/12/2023 8:27:25 AM		VOC		1.086	1.086								
592-910760	7/12/2023 8:27:15 AM		VOC		1.086	1.086								
592-910760	7/12/2023 8:27:05 AM		VOC		1.085	1.085								
592-910760	7/12/2023 8:26:55 AM		VOC		1.087	1.087								
592-910760	7/12/2023 8:26:45 AM		VOC		1.081	1.081								
592-910760	7/12/2023 8:26:35 AM		VOC		1.083	1.083								
592-910760	7/12/2023 8:26:25 AM		VOC		1.085	1.085								
592-910760	7/12/2023 8:26:15 AM		VOC		1.078	1.078								
592-910760	7/12/2023 8:26:05 AM		VOC		1.077	1.077								
592-910760	7/12/2023 8:25:55 AM		VOC		1.078	1.078								
592-910760	7/12/2023 8:25:45 AM		VOC		1.078	1.078								
592-910760	7/12/2023 8:25:35 AM		VOC		1.068	1.068								
592-910760	7/12/2023 8:25:25 AM		VOC		1.07	1.07								
592-910760	7/12/2023 8:25:15 AM		VOC		1.07	1.07								
592-910760	7/12/2023 8:25:05 AM		VOC		1.069	1.069								
592-910760	7/12/2023 8:24:55 AM		VOC		1.063	1.063								
592-910760	7/12/2023 8:24:45 AM		VOC		1.065	1.065								
592-910760	7/12/2023 8:24:35 AM		VOC		1.065	1.065								
592-910760	7/12/2023 8:24:25 AM		VOC		1.065	1.065								
592-910760	7/12/2023 8:24:15 AM		VOC		1.065	1.065								
592-910760	7/12/2023 8:24:05 AM		VOC		1.061	1.061								
592-910760	7/12/2023 8:23:55 AM		VOC		1.065	1.065								
592-910760	7/12/2023 8:23:45 AM		VOC		1.062	1.062								
592-910760	7/12/2023 8:23:35 AM		VOC		1.065	1.065								
592-910760	7/12/2023 8:23:25 AM		VOC		1.064	1.064								
592-910760	7/12/2023 8:23:15 AM		VOC		1.065	1.065								
592-910760	7/12/2023 8:23:05 AM		VOC		1.057	1.057								
592-910760	7/12/2023 8:22:55 AM		VOC		1.052	1.052								
592-910760	7/12/2023 8:22:45 AM		VOC		1.051	1.051								
592-910760	7/12/2023 8:22:35 AM		VOC		1.05	1.05								
592-910760	7/12/2023 8:22:25 AM		VOC		1.049	1.049								
592-910760	7/12/2023 8:22:15 AM		VOC		1.052	1.052								
592-910760	7/12/2023 8:22:05 AM		VOC		1.052	1.052								
592-910760	7/12/2023 8:21:55 AM		VOC		1.048	1.048								
592-910760	7/12/2023 8:21:45 AM		VOC		1.053	1.053								
592-910760	7/12/2023 8:21:35 AM		VOC		1.051	1.051								
592-910760	7/12/2023 8:21:25 AM		VOC		1.047	1.047								
592-910760	7/12/2023 8:21:15 AM		VOC		1.045	1.045								
592-910760	7/12/2023 8:21:05 AM		VOC		1.042	1.042								
592-910760	7/12/2023 8:20:55 AM		VOC		1.043	1.043								
592-910760	7/12/2023 8:20:45 AM		VOC		1.04	1.04								
592-910760	7/12/2023 8:20:35 AM		VOC		1.04	1.04								
592-910760	7/12/2023 8:20:25 AM		VOC		1.043	1.043								
592-910760	7/12/2023 8:20:15 AM		VOC		1.042	1.042								
592-910760	7/12/2023 8:20:05 AM		VOC		1.038	1.038								
592-910760	7/12/2023 8:19:55 AM		VOC		1.038	1.038								
592-910760	7/12/2023 8:19:45 AM		VOC		1.039	1.039								
592-910760	7/12/2023 8:19:35 AM		VOC		1.037	1.037								
592-910760	7/12/2023 8:19:25 AM		VOC		1.036	1.036								
592-910760	7/12/2023 8:19:15 AM		VOC		1.036	1.036								
592-910760	7/12/2023 8:19:05 AM		VOC		1.038	1.038								
592-910760	7/12/2023 8:18:55 AM		VOC		1.038	1.038								
592-910760	7/12/2023 8:18:45 AM		VOC		1.037	1.037								
592-910760	7/12/2023 8:18:35 AM		VOC		1.035	1.035								
592-910760	7/12/2023 8:18:25 AM		VOC		1.033	1.033								
592-910760	7/12/2023 8:18:15 AM		VOC		1.036	1.036								
592-910760	7/12/2023 8:18:05 AM		VOC		1.032	1.032								
592-910760	7/12/2023 8:17:55 AM		VOC		1.031	1.031								
592-910760	7/12/2023 8:17:45 AM		VOC		1.028	1.028								
592-910760	7/12/2023 8:17:35 AM		VOC		1.024	1.024								
592-910760	7/12/2023 8:17:25 AM		VOC		1.029	1.029								
592-910760	7/12/2023 8:17:15 AM		VOC		1.028	1.028								
592-910760	7/12/2023 8:17:05 AM		VOC		1.031	1.031								
592-910760	7/12/2023 8:16:55 AM		VOC		1.029	1.029								
592-910760	7/12/2023 8:16:45 AM		VOC		1.024	1.024								
592-910760	7/12/2023 8:16:35 AM		VOC		1.026	1.026								
592-910760	7/12/2023 8:16:25 AM		VOC		1.027	1.027								
592-910760	7/12/2023 8:16:15 AM		VOC		1.028	1.028								
592-910760	7/12/2023 8:16:05 AM		VOC		1.027	1.027								
592-910760	7/12/2023 8:15:55 AM		VOC		1.027	1.027								
592-910760	7/12/2023 8:15:45 AM		VOC		1.026	1.026								
592-910760	7/12/2023 8:15:35 AM		VOC		1.028	1.028								
592-910760	7/12/2023 8:15:25 AM		VOC		1.027	1.027								
592-910760	7/12/2023 8:15:15 AM		VOC		1.027	1.027								
592-910760	7/12/2023 8:15:05 AM		VOC		1.026	1.026								
592-910760	7/12/2023 8:14:55 AM		VOC		1.027	1.027								
592-910760	7/12/2023 8:14:45 AM		VOC		1.029	1.029								
592-910760	7/12/2023 8:14:35 AM		VOC		1.023	1.023								
592-910760	7/12/2023 8:14:25 AM		VOC		1.024	1.024								
592-910760	7/12/2023 8:14:15 AM		VOC		1.022	1.022								

592-910760	7/12/2023 8:14:05 AM		VOC		1.022	1.022								
592-910760	7/12/2023 8:13:55 AM		VOC		1.024	1.024								
592-910760	7/12/2023 8:13:45 AM		VOC		1.023	1.023								
592-910760	7/12/2023 8:13:35 AM		VOC		1.024	1.024								
592-910760	7/12/2023 8:13:25 AM		VOC		1.029	1.029								
592-910760	7/12/2023 8:13:15 AM		VOC		1.028	1.028								
592-910760	7/12/2023 8:13:05 AM		VOC		1.028	1.028								
592-910760	7/12/2023 8:12:55 AM		VOC		1.028	1.028								
592-910760	7/12/2023 8:12:45 AM		VOC		1.031	1.031								
592-910760	7/12/2023 8:12:35 AM		VOC		1.028	1.028								
592-910760	7/12/2023 8:12:25 AM		VOC		1.028	1.028								
592-910760	7/12/2023 8:12:15 AM		VOC		1.028	1.028								
592-910760	7/12/2023 8:12:05 AM		VOC		1.027	1.027								
592-910760	7/12/2023 8:11:55 AM		VOC		1.029	1.029								
592-910760	7/12/2023 8:11:45 AM		VOC		1.028	1.028								
592-910760	7/12/2023 8:11:35 AM		VOC		1.023	1.023								
592-910760	7/12/2023 8:11:25 AM		VOC		1.025	1.025								
592-910760	7/12/2023 8:11:15 AM		VOC		1.027	1.027								
592-910760	7/12/2023 8:11:05 AM		VOC		1.031	1.031								
592-910760	7/12/2023 8:10:55 AM		VOC		1.03	1.03								
592-910760	7/12/2023 8:10:45 AM		VOC		1.03	1.03								
592-910760	7/12/2023 8:10:35 AM		VOC		1.031	1.031								
592-910760	7/12/2023 8:10:25 AM		VOC		1.031	1.031								
592-910760	7/12/2023 8:10:15 AM		VOC		1.032	1.032								
592-910760	7/12/2023 8:10:05 AM		VOC		1.032	1.032								
592-910760	7/12/2023 8:09:55 AM		VOC		1.034	1.034								
592-910760	7/12/2023 8:09:45 AM		VOC		1.034	1.034								
592-910760	7/12/2023 8:09:35 AM		VOC		1.036	1.036								
592-910760	7/12/2023 8:09:25 AM		VOC		1.037	1.037								
592-910760	7/12/2023 8:09:15 AM		VOC		1.042	1.042								
592-910760	7/12/2023 8:09:05 AM		VOC		1.04	1.04								
592-910760	7/12/2023 8:08:55 AM		VOC		1.04	1.04								
592-910760	7/12/2023 8:08:45 AM		VOC		1.04	1.04								
592-910760	7/12/2023 8:08:35 AM		VOC		1.039	1.039								
592-910760	7/12/2023 8:08:25 AM		VOC		1.036	1.036								
592-910760	7/12/2023 8:08:15 AM		VOC		1.037	1.037								
592-910760	7/12/2023 8:08:05 AM		VOC		1.036	1.036								
592-910760	7/12/2023 8:07:55 AM		VOC		1.036	1.036								
592-910760	7/12/2023 8:07:45 AM		VOC		1.037	1.037								
592-910760	7/12/2023 8:07:35 AM		VOC		1.037	1.037								
592-910760	7/12/2023 8:07:25 AM		VOC		1.039	1.039								
592-910760	7/12/2023 8:07:15 AM		VOC		1.04	1.04								
592-910760	7/12/2023 8:07:05 AM		VOC		1.039	1.039								
592-910760	7/12/2023 8:06:55 AM		VOC		1.036	1.036								
592-910760	7/12/2023 8:06:45 AM		VOC		1.034	1.034								
592-910760	7/12/2023 8:06:35 AM		VOC		1.035	1.035								
592-910760	7/12/2023 8:06:25 AM		VOC		1.038	1.038								
592-910760	7/12/2023 8:06:15 AM		VOC		1.035	1.035								
592-910760	7/12/2023 8:06:05 AM		VOC		1.037	1.037								
592-910760	7/12/2023 8:05:55 AM		VOC		1.036	1.036								
592-910760	7/12/2023 8:05:45 AM		VOC		1.037	1.037								
592-910760	7/12/2023 8:05:35 AM		VOC		1.037	1.037								
592-910760	7/12/2023 8:05:25 AM		VOC		1.038	1.038								
592-910760	7/12/2023 8:05:15 AM		VOC		1.035	1.035								
592-910760	7/12/2023 8:05:05 AM		VOC		1.033	1.033								
592-910760	7/12/2023 8:04:55 AM		VOC		1.035	1.035								
592-910760	7/12/2023 8:04:45 AM		VOC		1.032	1.032								
592-910760	7/12/2023 8:04:35 AM		VOC		1.034	1.034								
592-910760	7/12/2023 8:04:25 AM		VOC		1.035	1.035								
592-910760	7/12/2023 8:04:15 AM		VOC		1.034	1.034								
592-910760	7/12/2023 8:04:05 AM		VOC		1.033	1.033								
592-910760	7/12/2023 8:03:55 AM		VOC		1.036	1.036								
592-910760	7/12/2023 8:03:45 AM		VOC		1.035	1.035								
592-910760	7/12/2023 8:03:35 AM		VOC		1.038	1.038								
592-910760	7/12/2023 8:03:25 AM		VOC		1.039	1.039								
592-910760	7/12/2023 8:03:15 AM		VOC		1.035	1.035								
592-910760	7/12/2023 8:03:05 AM		VOC		1.035	1.035								
592-910760	7/12/2023 8:02:55 AM		VOC		1.032	1.032								
592-910760	7/12/2023 8:02:45 AM		VOC		1.034	1.034								
592-910760	7/12/2023 8:02:35 AM		VOC		1.036	1.036								
592-910760	7/12/2023 8:02:25 AM		VOC		1.036	1.036								
592-910760	7/12/2023 8:02:15 AM		VOC		1.038	1.038								
592-910760	7/12/2023 8:02:05 AM		VOC		1.037	1.037								
592-910760	7/12/2023 8:01:55 AM		VOC		1.036	1.036								
592-910760	7/12/2023 8:01:45 AM		VOC		1.034	1.034								
592-910760	7/12/2023 8:01:35 AM		VOC		1.035	1.035								
592-910760	7/12/2023 8:01:25 AM		VOC		1.036	1.036								
592-910760	7/12/2023 8:01:15 AM		VOC		1.035	1.035								
592-910760	7/12/2023 8:01:05 AM		VOC		1.033	1.033								
592-910760	7/12/2023 8:00:55 AM		VOC		1.033	1.033								
592-910760	7/12/2023 8:00:45 AM		VOC		1.031	1.031								
592-910760	7/12/2023 8:00:35 AM		VOC		1.03	1.03								
592-910760	7/12/2023 8:00:25 AM		VOC		1.028	1.028								
592-910760	7/12/2023 8:00:15 AM		VOC		1.026	1.026								
592-910760	7/12/2023 8:00:05 AM		VOC		1.027	1.027								
592-910760	7/12/2023 7:59:55 AM		VOC		1.027	1.027								
592-910760	7/12/2023 7:59:45 AM		VOC		1.03	1.03								
592-910760	7/12/2023 7:59:35 AM		VOC		1.03	1.03								
592-910760	7/12/2023 7:59:25 AM		VOC		1.027	1.027								
592-910760	7/12/2023 7:59:15 AM		VOC		1.027	1.027								
592-910760	7/12/2023 7:59:05 AM		VOC		1.031	1.031								
592-910760	7/12/2023 7:58:55 AM		VOC		1.032	1.032								
592-910760	7/12/2023 7:58:45 AM		VOC		1.032	1.032								
592-910760	7/12/2023 7:58:35 AM		VOC		1.032	1.032								
592-910760	7/12/2023 7:58:25 AM		VOC		1.03	1.03								
592-910760	7/12/2023 7:58:15 AM		VOC		1.029	1.029								
592-910760	7/12/2023 7:58:05 AM		VOC		1.027	1.027								
592-910760	7/12/2023 7:57:55 AM		VOC		1.025	1.025								
592-910760	7/12/2023 7:57:45 AM		VOC		1.029	1.029								
592-910760	7/12/2023 7:57:35 AM		VOC		1.028	1.028								
592-910760	7/12/2023 7:57:25 AM		VOC		1.023	1.023								

592-910760	7/12/2023 7:57:15 AM		VOC		1.023	1.023								
592-910760	7/12/2023 7:57:05 AM		VOC		1.025	1.025								
592-910760	7/12/2023 7:56:55 AM		VOC		1.026	1.026								
592-910760	7/12/2023 7:56:45 AM		VOC		1.026	1.026								
592-910760	7/12/2023 7:56:35 AM		VOC		1.02	1.02								
592-910760	7/12/2023 7:56:25 AM		VOC		1.023	1.023								
592-910760	7/12/2023 7:56:15 AM		VOC		1.022	1.022								
592-910760	7/12/2023 7:56:05 AM		VOC		1.021	1.021								
592-910760	7/12/2023 7:55:55 AM		VOC		1.018	1.018								
592-910760	7/12/2023 7:55:45 AM		VOC		1.015	1.015								
592-910760	7/12/2023 7:55:35 AM		VOC		1.017	1.017								
592-910760	7/12/2023 7:55:25 AM		VOC		1.014	1.014								
592-910760	7/12/2023 7:55:15 AM		VOC		1.011	1.011								
592-910760	7/12/2023 7:55:05 AM		VOC		1.012	1.012								
592-910760	7/12/2023 7:54:55 AM		VOC		1.01	1.01								
592-910760	7/12/2023 7:54:45 AM		VOC		1.009	1.009								
592-910760	7/12/2023 7:54:35 AM		VOC		1.01	1.01								
592-910760	7/12/2023 7:54:25 AM		VOC		1.005	1.005								
592-910760	7/12/2023 7:54:15 AM		VOC		1.006	1.006								
592-910760	7/12/2023 7:54:05 AM		VOC		1.005	1.005								
592-910760	7/12/2023 7:53:55 AM		VOC		1.004	1.004								
592-910760	7/12/2023 7:53:45 AM		VOC		1.007	1.007								
592-910760	7/12/2023 7:53:35 AM		VOC		1.006	1.006								
592-910760	7/12/2023 7:53:25 AM		VOC		1.004	1.004								
592-910760	7/12/2023 7:53:15 AM		VOC		1.0	1.0								
592-910760	7/12/2023 7:53:05 AM		VOC		0.998	0.998								
592-910760	7/12/2023 7:52:55 AM		VOC		0.996	0.996								
592-910760	7/12/2023 7:52:45 AM		VOC		0.996	0.996								
592-910760	7/12/2023 7:52:35 AM		VOC		0.997	0.997								
592-910760	7/12/2023 7:52:25 AM		VOC		0.996	0.996								
592-910760	7/12/2023 7:52:15 AM		VOC		0.994	0.994								
592-910760	7/12/2023 7:52:05 AM		VOC		0.991	0.991								
592-910760	7/12/2023 7:51:55 AM		VOC		0.99	0.99								
592-910760	7/12/2023 7:51:45 AM		VOC		0.989	0.989								
592-910760	7/12/2023 7:51:35 AM		VOC		0.989	0.989								
592-910760	7/12/2023 7:51:25 AM		VOC		0.986	0.986								
592-910760	7/12/2023 7:51:15 AM		VOC		0.986	0.986								
592-910760	7/12/2023 7:51:05 AM		VOC		0.985	0.985								
592-910760	7/12/2023 7:50:55 AM		VOC		0.985	0.985								
592-910760	7/12/2023 7:50:45 AM		VOC		0.985	0.985								
592-910760	7/12/2023 7:50:35 AM		VOC		0.985	0.985								
592-910760	7/12/2023 7:50:25 AM		VOC		0.979	0.979								
592-910760	7/12/2023 7:50:15 AM		VOC		0.98	0.98								
592-910760	7/12/2023 7:50:05 AM		VOC		0.981	0.981								
592-910760	7/12/2023 7:49:55 AM		VOC		0.982	0.982								
592-910760	7/12/2023 7:49:45 AM		VOC		0.984	0.984								
592-910760	7/12/2023 7:49:35 AM		VOC		0.986	0.986								
592-910760	7/12/2023 7:49:25 AM		VOC		0.995	0.995								
592-910760	7/12/2023 7:49:15 AM		VOC		0.994	0.994								
592-910760	7/12/2023 7:49:05 AM		VOC		0.988	0.988								
592-910760	7/12/2023 7:48:55 AM		VOC		0.985	0.985								
592-910760	7/12/2023 7:48:45 AM		VOC		0.985	0.985								
592-910760	7/12/2023 7:48:35 AM		VOC		0.984	0.984								
592-910760	7/12/2023 7:48:25 AM		VOC		0.978	0.978								
592-910760	7/12/2023 7:48:15 AM		VOC		0.98	0.98								
592-910760	7/12/2023 7:48:05 AM		VOC		0.987	0.987								
592-910760	7/12/2023 7:47:55 AM		VOC		0.974	0.974								
592-910760	7/12/2023 7:47:45 AM		VOC		0.975	0.975								
592-910760	7/12/2023 7:47:35 AM		VOC		0.975	0.975								
592-910760	7/12/2023 7:47:25 AM		VOC		0.972	0.972								
592-910760	7/12/2023 7:47:15 AM		VOC		0.971	0.971								
592-910760	7/12/2023 7:47:05 AM		VOC		0.971	0.971								
592-910760	7/12/2023 7:46:55 AM		VOC		0.971	0.971								
592-910760	7/12/2023 7:46:45 AM		VOC		0.97	0.97								
592-910760	7/12/2023 7:46:35 AM		VOC		0.966	0.966								
592-910760	7/12/2023 7:46:25 AM		VOC		0.962	0.962								
592-910760	7/12/2023 7:46:15 AM		VOC		0.963	0.963								
592-910760	7/12/2023 7:46:05 AM		VOC		0.971	0.971								
592-910760	7/12/2023 7:45:55 AM		VOC		0.966	0.966								
592-910760	7/12/2023 7:45:45 AM		VOC		0.96	0.96								
592-910760	7/12/2023 7:45:35 AM		VOC		0.957	0.957								
592-910760	7/12/2023 7:45:25 AM		VOC		0.961	0.961								
592-910760	7/12/2023 7:45:15 AM		VOC		0.958	0.958								
592-910760	7/12/2023 7:45:05 AM		VOC		0.959	0.959								
592-910760	7/12/2023 7:44:55 AM		VOC		0.948	0.948								
592-910760	7/12/2023 7:44:45 AM		VOC		0.947	0.947								
592-910760	7/12/2023 7:44:35 AM		VOC		0.944	0.944								
592-910760	7/12/2023 7:44:25 AM		VOC		0.947	0.947								
592-910760	7/12/2023 7:44:15 AM		VOC		0.949	0.949								
592-910760	7/12/2023 7:44:05 AM		VOC		0.944	0.944								
592-910760	7/12/2023 7:43:55 AM		VOC		0.949	0.949								
592-910760	7/12/2023 7:43:45 AM		VOC		0.942	0.942								
592-910760	7/12/2023 7:43:35 AM		VOC		0.944	0.944								
592-910760	7/12/2023 7:43:25 AM		VOC		0.941	0.941								
592-910760	7/12/2023 7:43:15 AM		VOC		0.941	0.941								
592-910760	7/12/2023 7:43:05 AM		VOC		0.942	0.942								
592-910760	7/12/2023 7:42:55 AM		VOC		0.937	0.937								
592-910760	7/12/2023 7:42:45 AM		VOC		0.937	0.937								
592-910760	7/12/2023 7:42:35 AM		VOC		0.934	0.934								
592-910760	7/12/2023 7:42:25 AM		VOC		0.933	0.933								
592-910760	7/12/2023 7:42:15 AM		VOC		0.941	0.941								
592-910760	7/12/2023 7:42:05 AM		VOC		0.931	0.931								
592-910760	7/12/2023 7:41:55 AM		VOC		0.934	0.934								
592-910760	7/12/2023 7:41:45 AM		VOC		0.927	0.927								
592-910760	7/12/2023 7:41:35 AM		VOC		0.922	0.922								
592-910760	7/12/2023 7:41:25 AM		VOC		0.924	0.924								
592-910760	7/12/2023 7:41:15 AM		VOC		0.921	0.921								
592-910760	7/12/2023 7:41:05 AM		VOC		0.923	0.923								
592-910760	7/12/2023 7:40:55 AM		VOC		0.921	0.921								
592-910760	7/12/2023 7:40:45 AM		VOC		0.925	0.925								
592-910760	7/12/2023 7:40:35 AM		VOC		0.928	0.928								

592-910760	7/12/2023 7:40:25 AM		VOC		0.927	0.927								
592-910760	7/12/2023 7:40:15 AM		VOC		0.925	0.925								
592-910760	7/12/2023 7:40:05 AM		VOC		0.925	0.925								
592-910760	7/12/2023 7:39:55 AM		VOC		0.927	0.927								
592-910760	7/12/2023 7:39:45 AM		VOC		0.924	0.924								
592-910760	7/12/2023 7:39:35 AM		VOC		0.927	0.927								
592-910760	7/12/2023 7:39:25 AM		VOC		0.928	0.928								
592-910760	7/12/2023 7:39:15 AM		VOC		0.945	0.945								
592-910760	7/12/2023 7:39:05 AM		VOC		0.975	0.975								
592-910760	7/12/2023 7:38:55 AM		VOC		0.93	0.93								
592-910760	7/12/2023 7:38:45 AM		VOC		0.94	0.94								
592-910760	7/12/2023 7:38:35 AM		VOC		0.917	0.917								
592-910760	7/12/2023 7:38:25 AM		VOC		0.908	0.908								
592-910760	7/12/2023 7:38:15 AM		VOC		0.905	0.905								
592-910760	7/12/2023 7:38:05 AM		VOC		0.9	0.9								
592-910760	7/12/2023 7:37:55 AM		VOC		0.901	0.901								
592-910760	7/12/2023 7:37:45 AM		VOC		0.904	0.904								
592-910760	7/12/2023 7:37:35 AM		VOC		0.912	0.912								
592-910760	7/12/2023 7:37:25 AM		VOC		0.919	0.919								
592-910760	7/12/2023 7:37:15 AM		VOC		0.899	0.899								
592-910760	7/12/2023 7:37:05 AM		VOC		0.898	0.898								
592-910760	7/12/2023 7:36:55 AM		VOC		0.895	0.895								
592-910760	7/12/2023 7:36:45 AM		VOC		0.896	0.896								
592-910760	7/12/2023 7:36:35 AM		VOC		0.897	0.897								
592-910760	7/12/2023 7:36:25 AM		VOC		0.894	0.894								
592-910760	7/12/2023 7:36:15 AM		VOC		0.895	0.895								
592-910760	7/12/2023 7:36:05 AM		VOC		0.892	0.892								
592-910760	7/12/2023 7:35:55 AM		VOC		0.891	0.891								
592-910760	7/12/2023 7:35:45 AM		VOC		0.893	0.893								
592-910760	7/12/2023 7:35:35 AM		VOC		0.894	0.894								
592-910760	7/12/2023 7:35:25 AM		VOC		0.892	0.892								
592-910760	7/12/2023 7:35:15 AM		VOC		0.892	0.892								
592-910760	7/12/2023 7:35:05 AM		VOC		0.888	0.888								
592-910760	7/12/2023 7:34:55 AM		VOC		0.885	0.885								
592-910760	7/12/2023 7:34:45 AM		VOC		0.882	0.882								
592-910760	7/12/2023 7:34:35 AM		VOC		0.879	0.879								
592-910760	7/12/2023 7:34:25 AM		VOC		0.881	0.881								
592-910760	7/12/2023 7:34:15 AM		VOC		0.882	0.882								
592-910760	7/12/2023 7:34:05 AM		VOC		0.884	0.884								
592-910760	7/12/2023 7:33:55 AM		VOC		0.881	0.881								
592-910760	7/12/2023 7:33:45 AM		VOC		0.876	0.876								
592-910760	7/12/2023 7:33:35 AM		VOC		0.882	0.882								
592-910760	7/12/2023 7:33:25 AM		VOC		0.88	0.88								
592-910760	7/12/2023 7:33:15 AM		VOC		0.881	0.881								
592-910760	7/12/2023 7:33:05 AM		VOC		0.883	0.883								
592-910760	7/12/2023 7:32:55 AM		VOC		0.877	0.877								
592-910760	7/12/2023 7:32:45 AM		VOC		0.877	0.877								
592-910760	7/12/2023 7:32:35 AM		VOC		0.88	0.88								
592-910760	7/12/2023 7:32:25 AM		VOC		0.874	0.874								
592-910760	7/12/2023 7:32:15 AM		VOC		0.875	0.875								
592-910760	7/12/2023 7:32:05 AM		VOC		0.874	0.874								
592-910760	7/12/2023 7:31:55 AM		VOC		0.869	0.869								
592-910760	7/12/2023 7:31:45 AM		VOC		0.87	0.87								
592-910760	7/12/2023 7:31:35 AM		VOC		0.867	0.867								
592-910760	7/12/2023 7:31:25 AM		VOC		0.866	0.866								
592-910760	7/12/2023 7:31:15 AM		VOC		0.869	0.869								
592-910760	7/12/2023 7:31:05 AM		VOC		0.87	0.87								
592-910760	7/12/2023 7:30:55 AM		VOC		0.866	0.866								
592-910760	7/12/2023 7:30:45 AM		VOC		0.863	0.863								
592-910760	7/12/2023 7:30:35 AM		VOC		0.865	0.865								
592-910760	7/12/2023 7:30:25 AM		VOC		0.868	0.868								
592-910760	7/12/2023 7:30:15 AM		VOC		0.866	0.866								
592-910760	7/12/2023 7:30:05 AM		VOC		0.865	0.865								
592-910760	7/12/2023 7:29:55 AM		VOC		0.858	0.858								
592-910760	7/12/2023 7:29:45 AM		VOC		0.856	0.856								
592-910760	7/12/2023 7:29:35 AM		VOC		0.858	0.858								
592-910760	7/12/2023 7:29:25 AM		VOC		0.861	0.861								
592-910760	7/12/2023 7:29:15 AM		VOC		0.859	0.859								
592-910760	7/12/2023 7:29:05 AM		VOC		0.858	0.858								
592-910760	7/12/2023 7:28:55 AM		VOC		0.855	0.855								
592-910760	7/12/2023 7:28:45 AM		VOC		0.857	0.857								
592-910760	7/12/2023 7:28:35 AM		VOC		0.854	0.854								
592-910760	7/12/2023 7:28:25 AM		VOC		0.853	0.853								
592-910760	7/12/2023 7:28:15 AM		VOC		0.854	0.854								
592-910760	7/12/2023 7:28:05 AM		VOC		0.855	0.855								
592-910760	7/12/2023 7:27:55 AM		VOC		0.856	0.856								
592-910760	7/12/2023 7:27:45 AM		VOC		0.856	0.856								
592-910760	7/12/2023 7:27:35 AM		VOC		0.858	0.858								
592-910760	7/12/2023 7:27:25 AM		VOC		0.859	0.859								
592-910760	7/12/2023 7:27:15 AM		VOC		0.853	0.853								
592-910760	7/12/2023 7:27:05 AM		VOC		0.852	0.852								
592-910760	7/12/2023 7:26:55 AM		VOC		0.852	0.852								
592-910760	7/12/2023 7:26:45 AM		VOC		0.85	0.85								
592-910760	7/12/2023 7:26:35 AM		VOC		0.849	0.849								
592-910760	7/12/2023 7:26:25 AM		VOC		0.848	0.848								
592-910760	7/12/2023 7:26:15 AM		VOC		0.848	0.848								
592-910760	7/12/2023 7:26:05 AM		VOC		0.849	0.849								
592-910760	7/12/2023 7:25:55 AM		VOC		0.845	0.845								
592-910760	7/12/2023 7:25:45 AM		VOC		0.843	0.843								
592-910760	7/12/2023 7:25:35 AM		VOC		0.84	0.84								
592-910760	7/12/2023 7:25:25 AM		VOC		0.839	0.839								
592-910760	7/12/2023 7:25:15 AM		VOC		0.842	0.842								
592-910760	7/12/2023 7:25:05 AM		VOC		0.84	0.84								
592-910760	7/12/2023 7:24:55 AM		VOC		0.839	0.839								
592-910760	7/12/2023 7:24:45 AM		VOC		0.835	0.835								
592-910760	7/12/2023 7:24:35 AM		VOC		0.835	0.835								
592-910760	7/12/2023 7:24:25 AM		VOC		0.835	0.835								
592-910760	7/12/2023 7:24:15 AM		VOC		0.831	0.831								
592-910760	7/12/2023 7:24:05 AM		VOC		0.831	0.831								
592-910760	7/12/2023 7:23:55 AM		VOC		0.83	0.83								
592-910760	7/12/2023 7:23:45 AM		VOC		0.828	0.828								

592-910760	7/12/2023 7:23:35 AM		VOC		0.827	0.827								
592-910760	7/12/2023 7:23:25 AM		VOC		0.825	0.825								
592-910760	7/12/2023 7:23:15 AM		VOC		0.824	0.824								
592-910760	7/12/2023 7:23:05 AM		VOC		0.823	0.823								
592-910760	7/12/2023 7:22:55 AM		VOC		0.824	0.824								
592-910760	7/12/2023 7:22:45 AM		VOC		0.824	0.824								
592-910760	7/12/2023 7:22:35 AM		VOC		0.827	0.827								
592-910760	7/12/2023 7:22:25 AM		VOC		0.829	0.829								
592-910760	7/12/2023 7:22:15 AM		VOC		0.832	0.832								
592-910760	7/12/2023 7:22:05 AM		VOC		0.83	0.83								
592-910760	7/12/2023 7:21:55 AM		VOC		0.834	0.834								
592-910760	7/12/2023 7:21:45 AM		VOC		0.83	0.83								
592-910760	7/12/2023 7:21:35 AM		VOC		0.83	0.83								
592-910760	7/12/2023 7:21:25 AM		VOC		0.831	0.831								
592-910760	7/12/2023 7:21:15 AM		VOC		0.83	0.83								
592-910760	7/12/2023 7:21:05 AM		VOC		0.828	0.828								
592-910760	7/12/2023 7:20:55 AM		VOC		0.828	0.828								
592-910760	7/12/2023 7:20:45 AM		VOC		0.826	0.826								
592-910760	7/12/2023 7:20:35 AM		VOC		0.826	0.826								
592-910760	7/12/2023 7:20:25 AM		VOC		0.825	0.825								
592-910760	7/12/2023 7:20:15 AM		VOC		0.825	0.825								
592-910760	7/12/2023 7:20:05 AM		VOC		0.825	0.825								
592-910760	7/12/2023 7:19:55 AM		VOC		0.823	0.823								
592-910760	7/12/2023 7:19:45 AM		VOC		0.822	0.822								
592-910760	7/12/2023 7:19:35 AM		VOC		0.822	0.822								
592-910760	7/12/2023 7:19:25 AM		VOC		0.822	0.822								
592-910760	7/12/2023 7:19:15 AM		VOC		0.82	0.82								
592-910760	7/12/2023 7:19:05 AM		VOC		0.821	0.821								
592-910760	7/12/2023 7:18:55 AM		VOC		0.818	0.818								
592-910760	7/12/2023 7:18:45 AM		VOC		0.82	0.82								
592-910760	7/12/2023 7:18:35 AM		VOC		0.818	0.818								
592-910760	7/12/2023 7:18:25 AM		VOC		0.819	0.819								
592-910760	7/12/2023 7:18:15 AM		VOC		0.818	0.818								
592-910760	7/12/2023 7:18:05 AM		VOC		0.818	0.818								
592-910760	7/12/2023 7:17:55 AM		VOC		0.817	0.817								
592-910760	7/12/2023 7:17:45 AM		VOC		0.817	0.817								
592-910760	7/12/2023 7:17:35 AM		VOC		0.815	0.815								
592-910760	7/12/2023 7:17:25 AM		VOC		0.813	0.813								
592-910760	7/12/2023 7:17:15 AM		VOC		0.814	0.814								
592-910760	7/12/2023 7:17:05 AM		VOC		0.814	0.814								
592-910760	7/12/2023 7:16:55 AM		VOC		0.815	0.815								
592-910760	7/12/2023 7:16:45 AM		VOC		0.813	0.813								
592-910760	7/12/2023 7:16:35 AM		VOC		0.814	0.814								
592-910760	7/12/2023 7:16:25 AM		VOC		0.815	0.815								
592-910760	7/12/2023 7:16:15 AM		VOC		0.816	0.816								
592-910760	7/12/2023 7:16:05 AM		VOC		0.817	0.817								
592-910760	7/12/2023 7:15:55 AM		VOC		0.818	0.818								
592-910760	7/12/2023 7:15:45 AM		VOC		0.817	0.817								
592-910760	7/12/2023 7:15:35 AM		VOC		0.814	0.814								
592-910760	7/12/2023 7:15:25 AM		VOC		0.808	0.808								
592-910760	7/12/2023 7:15:15 AM		VOC		0.813	0.813								
592-910760	7/12/2023 7:15:05 AM		VOC		0.815	0.815								
592-910760	7/12/2023 7:14:55 AM		VOC		0.814	0.814								
592-910760	7/12/2023 7:14:45 AM		VOC		0.817	0.817								
592-910760	7/12/2023 7:14:35 AM		VOC		0.82	0.82								
592-910760	7/12/2023 7:14:25 AM		VOC		0.821	0.821								
592-910760	7/12/2023 7:14:15 AM		VOC		0.816	0.816								
592-910760	7/12/2023 7:14:05 AM		VOC		0.816	0.816								
592-910760	7/12/2023 7:13:55 AM		VOC		0.817	0.817								
592-910760	7/12/2023 7:13:45 AM		VOC		0.821	0.821								
592-910760	7/12/2023 7:13:35 AM		VOC		0.823	0.823								
592-910760	7/12/2023 7:13:25 AM		VOC		0.828	0.828								
592-910760	7/12/2023 7:13:15 AM		VOC		0.833	0.833								
592-910760	7/12/2023 7:13:05 AM		VOC		0.835	0.835								
592-910760	7/12/2023 7:12:55 AM		VOC		0.836	0.836								
592-910760	7/12/2023 7:12:45 AM		VOC		0.838	0.838								
592-910760	7/12/2023 7:12:35 AM		VOC		0.842	0.842								
592-910760	7/12/2023 7:12:25 AM		VOC		0.847	0.847								
592-910760	7/12/2023 7:12:15 AM		VOC		0.853	0.853								
592-910760	7/12/2023 7:12:05 AM		VOC		0.862	0.862								
592-910760	7/12/2023 7:11:55 AM		VOC		0.909	0.909								
592-910760	7/12/2023 7:11:45 AM		VOC		0.863	0.863								
592-910760	7/12/2023 7:11:35 AM		VOC		0.846	0.846								
592-910760	7/12/2023 7:11:25 AM		VOC		0.849	0.849								
592-910760	7/12/2023 7:11:15 AM		VOC		0.851	0.851								
592-910760	7/12/2023 7:11:05 AM		VOC		0.853	0.853								
592-910760	7/12/2023 7:10:55 AM		VOC		0.853	0.853								
592-910760	7/12/2023 7:10:45 AM		VOC		0.849	0.849								
592-910760	7/12/2023 7:10:35 AM		VOC		0.85	0.85								
592-910760	7/12/2023 7:10:25 AM		VOC		0.852	0.852								
592-910760	7/12/2023 7:10:15 AM		VOC		0.853	0.853								
592-910760	7/12/2023 7:10:05 AM		VOC		0.858	0.858								
592-910760	7/12/2023 7:09:55 AM		VOC		0.861	0.861								
592-910760	7/12/2023 7:09:45 AM		VOC		0.861	0.861								
592-910760	7/12/2023 7:09:35 AM		VOC		0.864	0.864								
592-910760	7/12/2023 7:09:25 AM		VOC		0.868	0.868								
592-910760	7/12/2023 7:09:15 AM		VOC		0.876	0.876								
592-910760	7/12/2023 7:09:05 AM		VOC		0.881	0.881								
592-910760	7/12/2023 7:08:55 AM		VOC		0.882	0.882								
592-910760	7/12/2023 7:08:45 AM		VOC		0.887	0.887								
592-910760	7/12/2023 7:08:35 AM		VOC		0.895	0.895								
592-910760	7/12/2023 7:08:25 AM		VOC		0.908	0.908								
592-910760	7/12/2023 7:08:15 AM		VOC		0.895	0.895								
592-910760	7/12/2023 7:08:05 AM		VOC		0.9	0.9								
592-910760	7/12/2023 7:07:55 AM		VOC		0.903	0.903								
592-910760	7/12/2023 7:07:45 AM		VOC		0.909	0.909								
592-910760	7/12/2023 7:07:35 AM		VOC		0.915	0.915								
592-910760	7/12/2023 7:07:25 AM		VOC		0.92	0.92								
592-910760	7/12/2023 7:07:15 AM		VOC		0.924	0.924								
592-910760	7/12/2023 7:07:05 AM		VOC		0.927	0.927								
592-910760	7/12/2023 7:06:55 AM		VOC		0.935	0.935								

592-910760	7/12/2023 7:06:45 AM		VOC		0.94	0.94								
592-910760	7/12/2023 7:06:35 AM		VOC		0.958	0.958								
592-910760	7/12/2023 7:06:25 AM		VOC		0.96	0.96								
592-910760	7/12/2023 7:06:15 AM		VOC		0.969	0.969								
592-910760	7/12/2023 7:06:05 AM		VOC		0.967	0.967								
592-910760	7/12/2023 7:05:55 AM		VOC		0.97	0.97								
592-910760	7/12/2023 7:05:45 AM		VOC		0.979	0.979								
592-910760	7/12/2023 7:05:35 AM		VOC		0.986	0.986								
592-910760	7/12/2023 7:05:25 AM		VOC		0.994	0.994								
592-910760	7/12/2023 7:05:15 AM		VOC		1.005	1.005								
592-910760	7/12/2023 7:05:05 AM		VOC		1.017	1.017								
592-910760	7/12/2023 7:04:55 AM		VOC		1.04	1.04								
592-910760	7/12/2023 7:04:45 AM		VOC		1.095	1.095								
592-910760	7/12/2023 7:04:35 AM		VOC		1.021	1.021								
592-910760	7/12/2023 7:04:25 AM		VOC		1.029	1.029								
592-910760	7/12/2023 7:04:15 AM		VOC		1.041	1.041								
592-910760	7/12/2023 7:04:05 AM		VOC		1.05	1.05								
592-910760	7/12/2023 7:03:55 AM		VOC		1.061	1.061								
592-910760	7/12/2023 7:03:45 AM		VOC		1.07	1.07								
592-910760	7/12/2023 7:03:35 AM		VOC		1.082	1.082								
592-910760	7/12/2023 7:03:25 AM		VOC		1.095	1.095								
592-910760	7/12/2023 7:03:15 AM		VOC		1.107	1.107								
592-910760	7/12/2023 7:03:05 AM		VOC		1.119	1.119								
592-910760	7/12/2023 7:02:55 AM		VOC		1.132	1.132								
592-910760	7/12/2023 7:02:45 AM		VOC		1.15	1.15								
592-910760	7/12/2023 7:02:35 AM		VOC		1.164	1.164								
592-910760	7/12/2023 7:02:25 AM		VOC		1.178	1.178								
592-910760	7/12/2023 7:02:15 AM		VOC		1.193	1.193								
592-910760	7/12/2023 7:02:05 AM		VOC		1.205	1.205								
592-910760	7/12/2023 7:01:55 AM		VOC		1.223	1.223								
592-910760	7/12/2023 7:01:45 AM		VOC		1.242	1.242								
592-910760	7/12/2023 7:01:35 AM		VOC		1.257	1.257								
592-910760	7/12/2023 7:01:25 AM		VOC		1.272	1.272								
592-910760	7/12/2023 7:01:15 AM		VOC		1.283	1.283								
592-910760	7/12/2023 7:01:05 AM		VOC		1.301	1.301								
592-910760	7/12/2023 7:00:55 AM		VOC		1.323	1.323								
592-910760	7/12/2023 7:00:45 AM		VOC		1.34	1.34								
592-910760	7/12/2023 7:00:35 AM		VOC		1.363	1.363								
592-910760	7/12/2023 7:00:25 AM		VOC		1.378	1.378								
592-910760	7/12/2023 7:00:15 AM		VOC		1.403	1.403								
592-910760	7/12/2023 7:00:05 AM		VOC		1.423	1.423								
592-910760	7/12/2023 6:59:55 AM		VOC		1.436	1.436								
592-910760	7/12/2023 6:59:45 AM		VOC		1.46	1.46								
592-910760	7/12/2023 6:59:35 AM		VOC		1.48	1.48								
592-910760	7/12/2023 6:59:25 AM		VOC		1.476	1.476								
592-910760	7/12/2023 6:59:15 AM		VOC		1.47	1.47								
592-910760	7/12/2023 6:59:05 AM		VOC		1.449	1.449								
592-910760	7/12/2023 6:58:55 AM		VOC		1.434	1.434								
592-910760	7/12/2023 6:58:45 AM		VOC		1.397	1.397								
592-910760	7/12/2023 6:58:35 AM		VOC		1.294	1.294								
592-910760	7/12/2023 6:58:25 AM		VOC		1.158	1.158								
592-910760	7/12/2023 6:58:15 AM		VOC		0.899	0.899								
592-910760	7/12/2023 6:58:05 AM	10	VOC	ppm			100.0	200.0	100.0	2675	7/12/2023 6:58:05 AM	7/12/2023 2:23:55 PM	V1.20	
592-910760	7/11/2023 2:19:52 PM		VOC		1.399	1.399								
592-910760	7/11/2023 2:19:42 PM		VOC		1.34	1.34								
592-910760	7/11/2023 2:19:32 PM		VOC		1.231	1.231								
592-910760	7/11/2023 2:19:22 PM		VOC		1.217	1.217								
592-910760	7/11/2023 2:19:12 PM		VOC		1.218	1.218								
592-910760	7/11/2023 2:19:02 PM		VOC		1.219	1.219								
592-910760	7/11/2023 2:18:52 PM		VOC		1.218	1.218								
592-910760	7/11/2023 2:18:42 PM		VOC		1.217	1.217								
592-910760	7/11/2023 2:18:32 PM		VOC		1.218	1.218								
592-910760	7/11/2023 2:18:22 PM		VOC		1.217	1.217								
592-910760	7/11/2023 2:18:12 PM		VOC		1.219	1.219								
592-910760	7/11/2023 2:18:02 PM		VOC		1.218	1.218								
592-910760	7/11/2023 2:17:52 PM		VOC		1.219	1.219								
592-910760	7/11/2023 2:17:42 PM		VOC		1.22	1.22								
592-910760	7/11/2023 2:17:32 PM		VOC		1.22	1.22								
592-910760	7/11/2023 2:17:22 PM		VOC		1.218	1.218								
592-910760	7/11/2023 2:17:12 PM		VOC		1.217	1.217								
592-910760	7/11/2023 2:17:02 PM		VOC		1.218	1.218								
592-910760	7/11/2023 2:16:52 PM		VOC		1.218	1.218								
592-910760	7/11/2023 2:16:42 PM		VOC		1.219	1.219								
592-910760	7/11/2023 2:16:32 PM		VOC		1.219	1.219								
592-910760	7/11/2023 2:16:22 PM		VOC		1.221	1.221								
592-910760	7/11/2023 2:16:12 PM		VOC		1.219	1.219								
592-910760	7/11/2023 2:16:02 PM		VOC		1.22	1.22								
592-910760	7/11/2023 2:15:52 PM		VOC		1.22	1.22								
592-910760	7/11/2023 2:15:42 PM		VOC		1.22	1.22								
592-910760	7/11/2023 2:15:32 PM		VOC		1.219	1.219								
592-910760	7/11/2023 2:15:22 PM		VOC		1.22	1.22								
592-910760	7/11/2023 2:15:12 PM		VOC		1.221	1.221								
592-910760	7/11/2023 2:15:02 PM		VOC		1.219	1.219								
592-910760	7/11/2023 2:14:52 PM		VOC		1.219	1.219								
592-910760	7/11/2023 2:14:42 PM		VOC		1.22	1.22								
592-910760	7/11/2023 2:14:32 PM		VOC		1.219	1.219								
592-910760	7/11/2023 2:14:22 PM		VOC		1.221	1.221								
592-910760	7/11/2023 2:14:12 PM		VOC		1.221	1.221								
592-910760	7/11/2023 2:14:02 PM		VOC		1.222	1.222								
592-910760	7/11/2023 2:13:52 PM		VOC		1.22	1.22								
592-910760	7/11/2023 2:13:42 PM		VOC		1.223	1.223								
592-910760	7/11/2023 2:13:32 PM		VOC		1.225	1.225								
592-910760	7/11/2023 2:13:22 PM		VOC		1.226	1.226								
592-910760	7/11/2023 2:13:12 PM		VOC		1.226	1.226								
592-910760	7/11/2023 2:13:02 PM		VOC		1.225	1.225								
592-910760	7/11/2023 2:12:52 PM		VOC		1.224	1.224								
592-910760	7/11/2023 2:12:42 PM		VOC		1.226	1.226								
592-910760	7/11/2023 2:12:32 PM		VOC		1.223	1.223								
592-910760	7/11/2023 2:12:22 PM		VOC		1.227	1.227								
592-910760	7/11/2023 2:12:12 PM		VOC		1.228	1.228								
592-910760	7/11/2023 2:12:02 PM		VOC		1.232	1.232								

592-910760	7/11/2023 2:11:52 PM		VOC		1.239	1.239								
592-910760	7/11/2023 2:11:42 PM		VOC		1.249	1.249								
592-910760	7/11/2023 2:11:32 PM		VOC		1.219	1.219								
592-910760	7/11/2023 2:11:22 PM		VOC		1.222	1.222								
592-910760	7/11/2023 2:11:12 PM		VOC		1.226	1.226								
592-910760	7/11/2023 2:11:02 PM		VOC		1.223	1.223								
592-910760	7/11/2023 2:10:52 PM		VOC		1.226	1.226								
592-910760	7/11/2023 2:10:42 PM		VOC		1.228	1.228								
592-910760	7/11/2023 2:10:32 PM		VOC		1.222	1.222								
592-910760	7/11/2023 2:10:22 PM		VOC		1.223	1.223								
592-910760	7/11/2023 2:10:12 PM		VOC		1.226	1.226								
592-910760	7/11/2023 2:10:02 PM		VOC		1.226	1.226								
592-910760	7/11/2023 2:09:52 PM		VOC		1.226	1.226								
592-910760	7/11/2023 2:09:42 PM		VOC		1.223	1.223								
592-910760	7/11/2023 2:09:32 PM		VOC		1.226	1.226								
592-910760	7/11/2023 2:09:22 PM		VOC		1.226	1.226								
592-910760	7/11/2023 2:09:12 PM		VOC		1.228	1.228								
592-910760	7/11/2023 2:09:02 PM		VOC		1.229	1.229								
592-910760	7/11/2023 2:08:52 PM		VOC		1.23	1.23								
592-910760	7/11/2023 2:08:42 PM		VOC		1.229	1.229								
592-910760	7/11/2023 2:08:32 PM		VOC		1.23	1.23								
592-910760	7/11/2023 2:08:22 PM		VOC		1.229	1.229								
592-910760	7/11/2023 2:08:12 PM		VOC		1.231	1.231								
592-910760	7/11/2023 2:08:02 PM		VOC		1.232	1.232								
592-910760	7/11/2023 2:07:52 PM		VOC		1.23	1.23								
592-910760	7/11/2023 2:07:42 PM		VOC		1.227	1.227								
592-910760	7/11/2023 2:07:32 PM		VOC		1.229	1.229								
592-910760	7/11/2023 2:07:22 PM		VOC		1.23	1.23								
592-910760	7/11/2023 2:07:12 PM		VOC		1.227	1.227								
592-910760	7/11/2023 2:07:02 PM		VOC		1.227	1.227								
592-910760	7/11/2023 2:06:52 PM		VOC		1.226	1.226								
592-910760	7/11/2023 2:06:42 PM		VOC		1.227	1.227								
592-910760	7/11/2023 2:06:32 PM		VOC		1.228	1.228								
592-910760	7/11/2023 2:06:22 PM		VOC		1.228	1.228								
592-910760	7/11/2023 2:06:12 PM		VOC		1.228	1.228								
592-910760	7/11/2023 2:06:02 PM		VOC		1.226	1.226								
592-910760	7/11/2023 2:05:52 PM		VOC		1.224	1.224								
592-910760	7/11/2023 2:05:42 PM		VOC		1.224	1.224								
592-910760	7/11/2023 2:05:32 PM		VOC		1.224	1.224								
592-910760	7/11/2023 2:05:22 PM		VOC		1.225	1.225								
592-910760	7/11/2023 2:05:12 PM		VOC		1.223	1.223								
592-910760	7/11/2023 2:05:02 PM		VOC		1.224	1.224								
592-910760	7/11/2023 2:04:52 PM		VOC		1.223	1.223								
592-910760	7/11/2023 2:04:42 PM		VOC		1.223	1.223								
592-910760	7/11/2023 2:04:32 PM		VOC		1.224	1.224								
592-910760	7/11/2023 2:04:22 PM		VOC		1.225	1.225								
592-910760	7/11/2023 2:04:12 PM		VOC		1.225	1.225								
592-910760	7/11/2023 2:04:02 PM		VOC		1.223	1.223								
592-910760	7/11/2023 2:03:52 PM		VOC		1.222	1.222								
592-910760	7/11/2023 2:03:42 PM		VOC		1.221	1.221								
592-910760	7/11/2023 2:03:32 PM		VOC		1.219	1.219								
592-910760	7/11/2023 2:03:22 PM		VOC		1.219	1.219								
592-910760	7/11/2023 2:03:12 PM		VOC		1.221	1.221								
592-910760	7/11/2023 2:03:02 PM		VOC		1.221	1.221								
592-910760	7/11/2023 2:02:52 PM		VOC		1.223	1.223								
592-910760	7/11/2023 2:02:42 PM		VOC		1.223	1.223								
592-910760	7/11/2023 2:02:32 PM		VOC		1.223	1.223								
592-910760	7/11/2023 2:02:22 PM		VOC		1.22	1.22								
592-910760	7/11/2023 2:02:12 PM		VOC		1.221	1.221								
592-910760	7/11/2023 2:02:02 PM		VOC		1.221	1.221								
592-910760	7/11/2023 2:01:52 PM		VOC		1.221	1.221								
592-910760	7/11/2023 2:01:42 PM		VOC		1.219	1.219								
592-910760	7/11/2023 2:01:32 PM		VOC		1.222	1.222								
592-910760	7/11/2023 2:01:22 PM		VOC		1.217	1.217								
592-910760	7/11/2023 2:01:12 PM		VOC		1.217	1.217								
592-910760	7/11/2023 2:01:02 PM		VOC		1.218	1.218								
592-910760	7/11/2023 2:00:52 PM		VOC		1.217	1.217								
592-910760	7/11/2023 2:00:42 PM		VOC		1.218	1.218								
592-910760	7/11/2023 2:00:32 PM		VOC		1.216	1.216								
592-910760	7/11/2023 2:00:22 PM		VOC		1.216	1.216								
592-910760	7/11/2023 2:00:12 PM		VOC		1.215	1.215								
592-910760	7/11/2023 2:00:02 PM		VOC		1.215	1.215								
592-910760	7/11/2023 1:59:52 PM		VOC		1.215	1.215								
592-910760	7/11/2023 1:59:42 PM		VOC		1.217	1.217								
592-910760	7/11/2023 1:59:32 PM		VOC		1.216	1.216								
592-910760	7/11/2023 1:59:22 PM		VOC		1.22	1.22								
592-910760	7/11/2023 1:59:12 PM		VOC		1.216	1.216								
592-910760	7/11/2023 1:59:02 PM		VOC		1.216	1.216								
592-910760	7/11/2023 1:58:52 PM		VOC		1.215	1.215								
592-910760	7/11/2023 1:58:42 PM		VOC		1.214	1.214								
592-910760	7/11/2023 1:58:32 PM		VOC		1.214	1.214								
592-910760	7/11/2023 1:58:22 PM		VOC		1.212	1.212								
592-910760	7/11/2023 1:58:12 PM		VOC		1.211	1.211								
592-910760	7/11/2023 1:58:02 PM		VOC		1.214	1.214								
592-910760	7/11/2023 1:57:52 PM		VOC		1.212	1.212								
592-910760	7/11/2023 1:57:42 PM		VOC		1.212	1.212								
592-910760	7/11/2023 1:57:32 PM		VOC		1.21	1.21								
592-910760	7/11/2023 1:57:22 PM		VOC		1.207	1.207								
592-910760	7/11/2023 1:57:12 PM		VOC		1.208	1.208								
592-910760	7/11/2023 1:57:02 PM		VOC		1.207	1.207								
592-910760	7/11/2023 1:56:52 PM		VOC		1.207	1.207								
592-910760	7/11/2023 1:56:42 PM		VOC		1.205	1.205								
592-910760	7/11/2023 1:56:32 PM		VOC		1.203	1.203								
592-910760	7/11/2023 1:56:22 PM		VOC		1.2	1.2								
592-910760	7/11/2023 1:56:12 PM		VOC		1.202	1.202								
592-910760	7/11/2023 1:56:02 PM		VOC		1.204	1.204								
592-910760	7/11/2023 1:55:52 PM		VOC		1.204	1.204								
592-910760	7/11/2023 1:55:42 PM		VOC		1.201	1.201								
592-910760	7/11/2023 1:55:32 PM		VOC		1.199	1.199								
592-910760	7/11/2023 1:55:22 PM		VOC		1.196	1.196								
592-910760	7/11/2023 1:55:12 PM		VOC		1.193	1.193								

592-910760	7/11/2023 1:55:02 PM		VOC		1.191	1.191								
592-910760	7/11/2023 1:54:52 PM		VOC		1.192	1.192								
592-910760	7/11/2023 1:54:42 PM		VOC		1.189	1.189								
592-910760	7/11/2023 1:54:32 PM		VOC		1.189	1.189								
592-910760	7/11/2023 1:54:22 PM		VOC		1.186	1.186								
592-910760	7/11/2023 1:54:12 PM		VOC		1.181	1.181								
592-910760	7/11/2023 1:54:02 PM		VOC		1.184	1.184								
592-910760	7/11/2023 1:53:52 PM		VOC		1.181	1.181								
592-910760	7/11/2023 1:53:42 PM		VOC		1.179	1.179								
592-910760	7/11/2023 1:53:32 PM		VOC		1.178	1.178								
592-910760	7/11/2023 1:53:22 PM		VOC		1.178	1.178								
592-910760	7/11/2023 1:53:12 PM		VOC		1.172	1.172								
592-910760	7/11/2023 1:53:02 PM		VOC		1.172	1.172								
592-910760	7/11/2023 1:52:52 PM		VOC		1.17	1.17								
592-910760	7/11/2023 1:52:42 PM		VOC		1.167	1.167								
592-910760	7/11/2023 1:52:32 PM		VOC		1.164	1.164								
592-910760	7/11/2023 1:52:22 PM		VOC		1.165	1.165								
592-910760	7/11/2023 1:52:12 PM		VOC		1.163	1.163								
592-910760	7/11/2023 1:52:02 PM		VOC		1.16	1.16								
592-910760	7/11/2023 1:51:52 PM		VOC		1.16	1.16								
592-910760	7/11/2023 1:51:42 PM		VOC		1.156	1.156								
592-910760	7/11/2023 1:51:32 PM		VOC		1.153	1.153								
592-910760	7/11/2023 1:51:22 PM		VOC		1.152	1.152								
592-910760	7/11/2023 1:51:12 PM		VOC		1.148	1.148								
592-910760	7/11/2023 1:51:02 PM		VOC		1.146	1.146								
592-910760	7/11/2023 1:50:52 PM		VOC		1.142	1.142								
592-910760	7/11/2023 1:50:42 PM		VOC		1.141	1.141								
592-910760	7/11/2023 1:50:32 PM		VOC		1.135	1.135								
592-910760	7/11/2023 1:50:22 PM		VOC		1.129	1.129								
592-910760	7/11/2023 1:50:12 PM		VOC		1.132	1.132								
592-910760	7/11/2023 1:50:02 PM		VOC		1.131	1.131								
592-910760	7/11/2023 1:49:52 PM		VOC		1.127	1.127								
592-910760	7/11/2023 1:49:42 PM		VOC		1.122	1.122								
592-910760	7/11/2023 1:49:32 PM		VOC		1.122	1.122								
592-910760	7/11/2023 1:49:22 PM		VOC		1.116	1.116								
592-910760	7/11/2023 1:49:12 PM		VOC		1.114	1.114								
592-910760	7/11/2023 1:49:02 PM		VOC		1.11	1.11								
592-910760	7/11/2023 1:48:52 PM		VOC		1.105	1.105								
592-910760	7/11/2023 1:48:42 PM		VOC		1.102	1.102								
592-910760	7/11/2023 1:48:32 PM		VOC		1.103	1.103								
592-910760	7/11/2023 1:48:22 PM		VOC		1.097	1.097								
592-910760	7/11/2023 1:48:12 PM		VOC		1.093	1.093								
592-910760	7/11/2023 1:48:02 PM		VOC		1.09	1.09								
592-910760	7/11/2023 1:47:52 PM		VOC		1.087	1.087								
592-910760	7/11/2023 1:47:42 PM		VOC		1.08	1.08								
592-910760	7/11/2023 1:47:32 PM		VOC		1.077	1.077								
592-910760	7/11/2023 1:47:22 PM		VOC		1.072	1.072								
592-910760	7/11/2023 1:47:12 PM		VOC		1.072	1.072								
592-910760	7/11/2023 1:47:02 PM		VOC		1.071	1.071								
592-910760	7/11/2023 1:46:52 PM		VOC		1.067	1.067								
592-910760	7/11/2023 1:46:42 PM		VOC		1.063	1.063								
592-910760	7/11/2023 1:46:32 PM		VOC		1.058	1.058								
592-910760	7/11/2023 1:46:22 PM		VOC		1.054	1.054								
592-910760	7/11/2023 1:46:12 PM		VOC		1.049	1.049								
592-910760	7/11/2023 1:46:02 PM		VOC		1.046	1.046								
592-910760	7/11/2023 1:45:52 PM		VOC		1.047	1.047								
592-910760	7/11/2023 1:45:42 PM		VOC		1.037	1.037								
592-910760	7/11/2023 1:45:32 PM		VOC		1.029	1.029								
592-910760	7/11/2023 1:45:22 PM		VOC		1.028	1.028								
592-910760	7/11/2023 1:45:12 PM		VOC		1.021	1.021								
592-910760	7/11/2023 1:45:02 PM		VOC		1.016	1.016								
592-910760	7/11/2023 1:44:52 PM		VOC		1.014	1.014								
592-910760	7/11/2023 1:44:42 PM		VOC		1.007	1.007								
592-910760	7/11/2023 1:44:32 PM		VOC		1.008	1.008								
592-910760	7/11/2023 1:44:22 PM		VOC		1.006	1.006								
592-910760	7/11/2023 1:44:12 PM		VOC		0.999	0.999								
592-910760	7/11/2023 1:44:02 PM		VOC		0.992	0.992								
592-910760	7/11/2023 1:43:52 PM		VOC		0.985	0.985								
592-910760	7/11/2023 1:43:42 PM		VOC		0.981	0.981								
592-910760	7/11/2023 1:43:32 PM		VOC		0.977	0.977								
592-910760	7/11/2023 1:43:22 PM		VOC		0.974	0.974								
592-910760	7/11/2023 1:43:12 PM		VOC		0.969	0.969								
592-910760	7/11/2023 1:43:02 PM		VOC		0.966	0.966								
592-910760	7/11/2023 1:42:52 PM		VOC		0.964	0.964								
592-910760	7/11/2023 1:42:42 PM		VOC		0.962	0.962								
592-910760	7/11/2023 1:42:32 PM		VOC		0.953	0.953								
592-910760	7/11/2023 1:42:22 PM		VOC		0.948	0.948								
592-910760	7/11/2023 1:42:12 PM		VOC		0.944	0.944								
592-910760	7/11/2023 1:42:02 PM		VOC		0.94	0.94								
592-910760	7/11/2023 1:41:52 PM		VOC		0.933	0.933								
592-910760	7/11/2023 1:41:42 PM		VOC		0.925	0.925								
592-910760	7/11/2023 1:41:32 PM		VOC		0.919	0.919								
592-910760	7/11/2023 1:41:22 PM		VOC		0.919	0.919								
592-910760	7/11/2023 1:41:12 PM		VOC		0.918	0.918								
592-910760	7/11/2023 1:41:02 PM		VOC		0.92	0.92								
592-910760	7/11/2023 1:40:52 PM		VOC		0.959	0.959								
592-910760	7/11/2023 1:40:42 PM		VOC		1.031	1.031								
592-910760	7/11/2023 1:40:32 PM		VOC		0.89	0.89								
592-910760	7/11/2023 1:40:22 PM		VOC		0.892	0.892								
592-910760	7/11/2023 1:40:12 PM		VOC		0.879	0.879								
592-910760	7/11/2023 1:40:02 PM		VOC		0.873	0.873								
592-910760	7/11/2023 1:39:52 PM		VOC		0.869	0.869								
592-910760	7/11/2023 1:39:42 PM		VOC		0.868	0.868								
592-910760	7/11/2023 1:39:32 PM		VOC		0.862	0.862								
592-910760	7/11/2023 1:39:22 PM		VOC		0.858	0.858								
592-910760	7/11/2023 1:39:12 PM		VOC		0.853	0.853								
592-910760	7/11/2023 1:39:02 PM		VOC		0.849	0.849								
592-910760	7/11/2023 1:38:52 PM		VOC		0.844	0.844								
592-910760	7/11/2023 1:38:42 PM		VOC		0.841	0.841								
592-910760	7/11/2023 1:38:32 PM		VOC		0.833	0.833								
592-910760	7/11/2023 1:38:22 PM		VOC		0.826	0.826								

592-910760	7/11/2023 1:38:12 PM		VOC		0.823	0.823								
592-910760	7/11/2023 1:38:02 PM		VOC		0.822	0.822								
592-910760	7/11/2023 1:37:52 PM		VOC		0.816	0.816								
592-910760	7/11/2023 1:37:42 PM		VOC		0.811	0.811								
592-910760	7/11/2023 1:37:32 PM		VOC		0.804	0.804								
592-910760	7/11/2023 1:37:22 PM		VOC		0.798	0.798								
592-910760	7/11/2023 1:37:12 PM		VOC		0.793	0.793								
592-910760	7/11/2023 1:37:02 PM		VOC		0.795	0.795								
592-910760	7/11/2023 1:36:52 PM		VOC		0.8	0.8								
592-910760	7/11/2023 1:36:42 PM		VOC		0.784	0.784								
592-910760	7/11/2023 1:36:32 PM		VOC		0.787	0.787								
592-910760	7/11/2023 1:36:22 PM		VOC		0.779	0.779								
592-910760	7/11/2023 1:36:12 PM		VOC		0.777	0.777								
592-910760	7/11/2023 1:36:02 PM		VOC		0.786	0.786								
592-910760	7/11/2023 1:35:52 PM		VOC		0.76	0.76								
592-910760	7/11/2023 1:35:42 PM		VOC		0.78	0.78								
592-910760	7/11/2023 1:35:32 PM		VOC		0.787	0.787								
592-910760	7/11/2023 1:35:22 PM		VOC		0.861	0.861								
592-910760	7/11/2023 1:35:12 PM		VOC		0.862	0.862								
592-910760	7/11/2023 1:35:02 PM		VOC		0.866	0.866								
592-910760	7/11/2023 1:34:52 PM		VOC		0.781	0.781								
592-910760	7/11/2023 1:34:42 PM		VOC		0.85	0.85								
592-910760	7/11/2023 1:34:32 PM		VOC		0.722	0.722								
592-910760	7/11/2023 1:34:22 PM		VOC		0.751	0.751								
592-910760	7/11/2023 1:34:12 PM		VOC		0.684	0.684								
592-910760	7/11/2023 1:34:02 PM		VOC		0.726	0.726								
592-910760	7/11/2023 1:33:52 PM		VOC		0.7	0.7								
592-910760	7/11/2023 1:33:42 PM		VOC		0.697	0.697								
592-910760	7/11/2023 1:33:32 PM		VOC		0.687	0.687								
592-910760	7/11/2023 1:33:22 PM		VOC		0.683	0.683								
592-910760	7/11/2023 1:33:12 PM		VOC		0.678	0.678								
592-910760	7/11/2023 1:33:02 PM		VOC		0.67	0.67								
592-910760	7/11/2023 1:32:52 PM		VOC		0.662	0.662								
592-910760	7/11/2023 1:32:42 PM		VOC		0.658	0.658								
592-910760	7/11/2023 1:32:32 PM		VOC		0.653	0.653								
592-910760	7/11/2023 1:32:22 PM		VOC		0.652	0.652								
592-910760	7/11/2023 1:32:12 PM		VOC		0.693	0.693								
592-910760	7/11/2023 1:32:02 PM		VOC		0.651	0.651								
592-910760	7/11/2023 1:31:52 PM		VOC		0.639	0.639								
592-910760	7/11/2023 1:31:42 PM		VOC		0.631	0.631								
592-910760	7/11/2023 1:31:32 PM		VOC		0.613	0.613								
592-910760	7/11/2023 1:31:22 PM		VOC		0.649	0.649								
592-910760	7/11/2023 1:31:12 PM		VOC		0.65	0.65								
592-910760	7/11/2023 1:31:02 PM		VOC		0.654	0.654								
592-910760	7/11/2023 1:30:52 PM		VOC		0.659	0.659								
592-910760	7/11/2023 1:30:42 PM		VOC		0.652	0.652								
592-910760	7/11/2023 1:30:32 PM		VOC		0.636	0.636								
592-910760	7/11/2023 1:30:22 PM		VOC		0.605	0.605								
592-910760	7/11/2023 1:30:12 PM		VOC		0.685	0.685								
592-910760	7/11/2023 1:30:02 PM		VOC		0.682	0.682								
592-910760	7/11/2023 1:29:52 PM		VOC		0.686	0.686								
592-910760	7/11/2023 1:29:42 PM		VOC		0.693	0.693								
592-910760	7/11/2023 1:29:32 PM		VOC		0.691	0.691								
592-910760	7/11/2023 1:29:22 PM		VOC		0.693	0.693								
592-910760	7/11/2023 1:29:12 PM		VOC		0.725	0.725								
592-910760	7/11/2023 1:29:02 PM		VOC		0.713	0.713								
592-910760	7/11/2023 1:28:52 PM		VOC		0.716	0.716								
592-910760	7/11/2023 1:28:42 PM		VOC		0.717	0.717								
592-910760	7/11/2023 1:28:32 PM		VOC		0.694	0.694								
592-910760	7/11/2023 1:28:22 PM		VOC		0.695	0.695								
592-910760	7/11/2023 1:28:12 PM		VOC		0.705	0.705								
592-910760	7/11/2023 1:28:02 PM		VOC		0.684	0.684								
592-910760	7/11/2023 1:27:52 PM		VOC		0.68	0.68								
592-910760	7/11/2023 1:27:42 PM		VOC		0.681	0.681								
592-910760	7/11/2023 1:27:32 PM		VOC		0.686	0.686								
592-910760	7/11/2023 1:27:22 PM		VOC		0.669	0.669								
592-910760	7/11/2023 1:27:12 PM		VOC		0.685	0.685								
592-910760	7/11/2023 1:27:02 PM		VOC		0.703	0.703								
592-910760	7/11/2023 1:26:52 PM		VOC		0.696	0.696								
592-910760	7/11/2023 1:26:42 PM		VOC		0.697	0.697								
592-910760	7/11/2023 1:26:32 PM		VOC		0.693	0.693								
592-910760	7/11/2023 1:26:22 PM		VOC		0.695	0.695								
592-910760	7/11/2023 1:26:12 PM		VOC		0.696	0.696								
592-910760	7/11/2023 1:26:02 PM		VOC		0.7	0.7								
592-910760	7/11/2023 1:25:52 PM		VOC		0.682	0.682								
592-910760	7/11/2023 1:25:42 PM		VOC		0.706	0.706								
592-910760	7/11/2023 1:25:32 PM		VOC		0.705	0.705								
592-910760	7/11/2023 1:25:22 PM		VOC		0.702	0.702								
592-910760	7/11/2023 1:25:12 PM		VOC		0.699	0.699								
592-910760	7/11/2023 1:25:02 PM		VOC		0.704	0.704								
592-910760	7/11/2023 1:24:52 PM		VOC		0.711	0.711								
592-910760	7/11/2023 1:24:42 PM		VOC		0.705	0.705								
592-910760	7/11/2023 1:24:32 PM		VOC		0.795	0.795								
592-910760	7/11/2023 1:24:22 PM		VOC		0.788	0.788								
592-910760	7/11/2023 1:24:12 PM		VOC		0.731	0.731								
592-910760	7/11/2023 1:24:02 PM		VOC		0.719	0.719								
592-910760	7/11/2023 1:23:52 PM		VOC		0.817	0.817								
592-910760	7/11/2023 1:23:42 PM		VOC		0.74	0.74								
592-910760	7/11/2023 1:23:32 PM		VOC		0.703	0.703								
592-910760	7/11/2023 1:23:22 PM		VOC		0.696	0.696								
592-910760	7/11/2023 1:23:12 PM		VOC		0.693	0.693								
592-910760	7/11/2023 1:23:02 PM		VOC		0.712	0.712								
592-910760	7/11/2023 1:22:52 PM		VOC		0.701	0.701								
592-910760	7/11/2023 1:22:42 PM		VOC		0.691	0.691								
592-910760	7/11/2023 1:22:32 PM		VOC		0.688	0.688								
592-910760	7/11/2023 1:22:22 PM		VOC		0.689	0.689								
592-910760	7/11/2023 1:22:12 PM		VOC		0.686	0.686								
592-910760	7/11/2023 1:22:02 PM		VOC		0.688	0.688								
592-910760	7/11/2023 1:21:52 PM		VOC		0.686	0.686								
592-910760	7/11/2023 1:21:42 PM		VOC		0.689	0.689								
592-910760	7/11/2023 1:21:32 PM		VOC		0.694	0.694								

592-910760	7/11/2023 1:21:22 PM		VOC		0.687	0.687								
592-910760	7/11/2023 1:21:12 PM		VOC		0.695	0.695								
592-910760	7/11/2023 1:21:02 PM		VOC		0.698	0.698								
592-910760	7/11/2023 1:20:52 PM		VOC		0.697	0.697								
592-910760	7/11/2023 1:20:42 PM		VOC		0.7	0.7								
592-910760	7/11/2023 1:20:32 PM		VOC		0.708	0.708								
592-910760	7/11/2023 1:20:22 PM		VOC		0.714	0.714								
592-910760	7/11/2023 1:20:12 PM		VOC		0.71	0.71								
592-910760	7/11/2023 1:20:02 PM		VOC		0.716	0.716								
592-910760	7/11/2023 1:19:52 PM		VOC		0.747	0.747								
592-910760	7/11/2023 1:19:42 PM		VOC		0.736	0.736								
592-910760	7/11/2023 1:19:32 PM		VOC		0.706	0.706								
592-910760	7/11/2023 1:19:22 PM		VOC		0.712	0.712								
592-910760	7/11/2023 1:19:12 PM		VOC		0.747	0.747								
592-910760	7/11/2023 1:19:02 PM		VOC		0.721	0.721								
592-910760	7/11/2023 1:18:52 PM		VOC		0.702	0.702								
592-910760	7/11/2023 1:18:42 PM		VOC		0.7	0.7								
592-910760	7/11/2023 1:18:32 PM		VOC		0.705	0.705								
592-910760	7/11/2023 1:18:22 PM		VOC		0.731	0.731								
592-910760	7/11/2023 1:18:12 PM		VOC		0.721	0.721								
592-910760	7/11/2023 1:18:02 PM		VOC		0.706	0.706								
592-910760	7/11/2023 1:17:52 PM		VOC		0.696	0.696								
592-910760	7/11/2023 1:17:42 PM		VOC		0.703	0.703								
592-910760	7/11/2023 1:17:32 PM		VOC		0.712	0.712								
592-910760	7/11/2023 1:17:22 PM		VOC		0.706	0.706								
592-910760	7/11/2023 1:17:12 PM		VOC		0.71	0.71								
592-910760	7/11/2023 1:17:02 PM		VOC		0.709	0.709								
592-910760	7/11/2023 1:16:52 PM		VOC		0.71	0.71								
592-910760	7/11/2023 1:16:42 PM		VOC		0.71	0.71								
592-910760	7/11/2023 1:16:32 PM		VOC		0.721	0.721								
592-910760	7/11/2023 1:16:22 PM		VOC		0.797	0.797								
592-910760	7/11/2023 1:16:12 PM		VOC		0.736	0.736								
592-910760	7/11/2023 1:16:02 PM		VOC		0.854	0.854								
592-910760	7/11/2023 1:15:52 PM		VOC		0.758	0.758								
592-910760	7/11/2023 1:15:42 PM		VOC		0.777	0.777								
592-910760	7/11/2023 1:15:32 PM		VOC		0.725	0.725								
592-910760	7/11/2023 1:15:22 PM		VOC		0.677	0.677								
592-910760	7/11/2023 1:15:12 PM		VOC		0.671	0.671								
592-910760	7/11/2023 1:15:02 PM		VOC		0.674	0.674								
592-910760	7/11/2023 1:14:52 PM		VOC		0.671	0.671								
592-910760	7/11/2023 1:14:42 PM		VOC		0.67	0.67								
592-910760	7/11/2023 1:14:32 PM		VOC		0.674	0.674								
592-910760	7/11/2023 1:14:22 PM		VOC		0.671	0.671								
592-910760	7/11/2023 1:14:12 PM		VOC		0.698	0.698								
592-910760	7/11/2023 1:14:02 PM		VOC		0.681	0.681								
592-910760	7/11/2023 1:13:52 PM		VOC		0.658	0.658								
592-910760	7/11/2023 1:13:42 PM		VOC		0.679	0.679								
592-910760	7/11/2023 1:13:32 PM		VOC		0.684	0.684								
592-910760	7/11/2023 1:13:22 PM		VOC		0.677	0.677								
592-910760	7/11/2023 1:13:12 PM		VOC		0.694	0.694								
592-910760	7/11/2023 1:13:02 PM		VOC		0.687	0.687								
592-910760	7/11/2023 1:12:52 PM		VOC		0.654	0.654								
592-910760	7/11/2023 1:12:42 PM		VOC		0.7	0.7								
592-910760	7/11/2023 1:12:32 PM		VOC		0.701	0.701								
592-910760	7/11/2023 1:12:22 PM		VOC		0.708	0.708								
592-910760	7/11/2023 1:12:12 PM		VOC		0.711	0.711								
592-910760	7/11/2023 1:12:02 PM		VOC		0.717	0.717								
592-910760	7/11/2023 1:11:52 PM		VOC		0.724	0.724								
592-910760	7/11/2023 1:11:42 PM		VOC		0.726	0.726								
592-910760	7/11/2023 1:11:32 PM		VOC		0.731	0.731								
592-910760	7/11/2023 1:11:22 PM		VOC		0.762	0.762								
592-910760	7/11/2023 1:11:12 PM		VOC		0.788	0.788								
592-910760	7/11/2023 1:11:02 PM		VOC		0.736	0.736								
592-910760	7/11/2023 1:10:52 PM		VOC		0.711	0.711								
592-910760	7/11/2023 1:10:42 PM		VOC		0.72	0.72								
592-910760	7/11/2023 1:10:32 PM		VOC		0.715	0.715								
592-910760	7/11/2023 1:10:22 PM		VOC		0.715	0.715								
592-910760	7/11/2023 1:10:12 PM		VOC		0.716	0.716								
592-910760	7/11/2023 1:10:02 PM		VOC		0.717	0.717								
592-910760	7/11/2023 1:09:52 PM		VOC		0.718	0.718								
592-910760	7/11/2023 1:09:42 PM		VOC		0.722	0.722								
592-910760	7/11/2023 1:09:32 PM		VOC		0.762	0.762								
592-910760	7/11/2023 1:09:22 PM		VOC		0.706	0.706								
592-910760	7/11/2023 1:09:12 PM		VOC		0.705	0.705								
592-910760	7/11/2023 1:09:02 PM		VOC		0.7	0.7								
592-910760	7/11/2023 1:08:52 PM		VOC		0.701	0.701								
592-910760	7/11/2023 1:08:42 PM		VOC		0.702	0.702								
592-910760	7/11/2023 1:08:32 PM		VOC		0.704	0.704								
592-910760	7/11/2023 1:08:22 PM		VOC		0.724	0.724								
592-910760	7/11/2023 1:08:12 PM		VOC		0.795	0.795								
592-910760	7/11/2023 1:08:02 PM		VOC		0.725	0.725								
592-910760	7/11/2023 1:07:52 PM		VOC		0.724	0.724								
592-910760	7/11/2023 1:07:42 PM		VOC		0.733	0.733								
592-910760	7/11/2023 1:07:32 PM		VOC		0.678	0.678								
592-910760	7/11/2023 1:07:22 PM		VOC		0.682	0.682								
592-910760	7/11/2023 1:07:12 PM		VOC		0.686	0.686								
592-910760	7/11/2023 1:07:02 PM		VOC		0.69	0.69								
592-910760	7/11/2023 1:06:52 PM		VOC		0.692	0.692								
592-910760	7/11/2023 1:06:42 PM		VOC		0.699	0.699								
592-910760	7/11/2023 1:06:32 PM		VOC		0.713	0.713								
592-910760	7/11/2023 1:06:22 PM		VOC		0.727	0.727								
592-910760	7/11/2023 1:06:12 PM		VOC		0.727	0.727								
592-910760	7/11/2023 1:06:02 PM		VOC		0.806	0.806								
592-910760	7/11/2023 1:05:52 PM		VOC		0.858	0.858								
592-910760	7/11/2023 1:05:42 PM		VOC		0.702	0.702								
592-910760	7/11/2023 1:05:32 PM		VOC		0.706	0.706								
592-910760	7/11/2023 1:05:22 PM		VOC		0.707	0.707								
592-910760	7/11/2023 1:05:12 PM		VOC		0.705	0.705								
592-910760	7/11/2023 1:05:02 PM		VOC		0.704	0.704								
592-910760	7/11/2023 1:04:52 PM		VOC		0.698	0.698								
592-910760	7/11/2023 1:04:42 PM		VOC		0.704	0.704								

592-910760	7/11/2023 1:04:32 PM		VOC		0.71	0.71								
592-910760	7/11/2023 1:04:22 PM		VOC		0.727	0.727								
592-910760	7/11/2023 1:04:12 PM		VOC		0.71	0.71								
592-910760	7/11/2023 1:04:02 PM		VOC		0.699	0.699								
592-910760	7/11/2023 1:03:52 PM		VOC		0.699	0.699								
592-910760	7/11/2023 1:03:42 PM		VOC		0.697	0.697								
592-910760	7/11/2023 1:03:32 PM		VOC		0.701	0.701								
592-910760	7/11/2023 1:03:22 PM		VOC		0.706	0.706								
592-910760	7/11/2023 1:03:12 PM		VOC		0.709	0.709								
592-910760	7/11/2023 1:03:02 PM		VOC		0.716	0.716								
592-910760	7/11/2023 1:02:52 PM		VOC		0.741	0.741								
592-910760	7/11/2023 1:02:42 PM		VOC		0.778	0.778								
592-910760	7/11/2023 1:02:32 PM		VOC		0.69	0.69								
592-910760	7/11/2023 1:02:22 PM		VOC		0.69	0.69								
592-910760	7/11/2023 1:02:12 PM		VOC		0.687	0.687								
592-910760	7/11/2023 1:02:02 PM		VOC		0.683	0.683								
592-910760	7/11/2023 1:01:52 PM		VOC		0.679	0.679								
592-910760	7/11/2023 1:01:42 PM		VOC		0.68	0.68								
592-910760	7/11/2023 1:01:32 PM		VOC		0.688	0.688								
592-910760	7/11/2023 1:01:22 PM		VOC		0.733	0.733								
592-910760	7/11/2023 1:01:12 PM		VOC		0.674	0.674								
592-910760	7/11/2023 1:01:02 PM		VOC		0.67	0.67								
592-910760	7/11/2023 1:00:52 PM		VOC		0.67	0.67								
592-910760	7/11/2023 1:00:42 PM		VOC		0.675	0.675								
592-910760	7/11/2023 1:00:32 PM		VOC		0.689	0.689								
592-910760	7/11/2023 1:00:22 PM		VOC		0.78	0.78								
592-910760	7/11/2023 1:00:12 PM		VOC		0.697	0.697								
592-910760	7/11/2023 1:00:02 PM		VOC		0.66	0.66								
592-910760	7/11/2023 12:59:52 PM		VOC		0.66	0.66								
592-910760	7/11/2023 12:59:42 PM		VOC		0.697	0.697								
592-910760	7/11/2023 12:59:32 PM		VOC		0.736	0.736								
592-910760	7/11/2023 12:59:22 PM		VOC		0.68	0.68								
592-910760	7/11/2023 12:59:12 PM		VOC		0.712	0.712								
592-910760	7/11/2023 12:59:02 PM		VOC		0.614	0.614								
592-910760	7/11/2023 12:58:52 PM		VOC		0.61	0.61								
592-910760	7/11/2023 12:58:42 PM		VOC		0.607	0.607								
592-910760	7/11/2023 12:58:32 PM		VOC		0.61	0.61								
592-910760	7/11/2023 12:58:22 PM		VOC		0.619	0.619								
592-910760	7/11/2023 12:58:12 PM		VOC		0.649	0.649								
592-910760	7/11/2023 12:58:02 PM		VOC		0.599	0.599								
592-910760	7/11/2023 12:57:52 PM		VOC		0.599	0.599								
592-910760	7/11/2023 12:57:42 PM		VOC		0.595	0.595								
592-910760	7/11/2023 12:57:32 PM		VOC		0.588	0.588								
592-910760	7/11/2023 12:57:22 PM		VOC		0.587	0.587								
592-910760	7/11/2023 12:57:12 PM		VOC		0.58	0.58								
592-910760	7/11/2023 12:57:02 PM		VOC		0.491	0.491								
592-910760	7/11/2023 12:56:52 PM		VOC		0.502	0.502								
592-910760	7/11/2023 12:56:42 PM		VOC		0.6	0.6								
592-910760	7/11/2023 12:56:32 PM		VOC		0.605	0.605								
592-910760	7/11/2023 12:56:22 PM		VOC		0.608	0.608								
592-910760	7/11/2023 12:56:12 PM		VOC		0.608	0.608								
592-910760	7/11/2023 12:56:02 PM		VOC		0.609	0.609								
592-910760	7/11/2023 12:55:52 PM		VOC		0.612	0.612								
592-910760	7/11/2023 12:55:42 PM		VOC		0.613	0.613								
592-910760	7/11/2023 12:55:32 PM		VOC		0.604	0.604								
592-910760	7/11/2023 12:55:22 PM		VOC		0.6	0.6								
592-910760	7/11/2023 12:55:12 PM		VOC		0.616	0.616								
592-910760	7/11/2023 12:55:02 PM		VOC		0.601	0.601								
592-910760	7/11/2023 12:54:52 PM		VOC		0.596	0.596								
592-910760	7/11/2023 12:54:42 PM		VOC		0.592	0.592								
592-910760	7/11/2023 12:54:32 PM		VOC		0.597	0.597								
592-910760	7/11/2023 12:54:22 PM		VOC		0.611	0.611								
592-910760	7/11/2023 12:54:12 PM		VOC		0.678	0.678								
592-910760	7/11/2023 12:54:02 PM		VOC		0.605	0.605								
592-910760	7/11/2023 12:53:52 PM		VOC		0.589	0.589								
592-910760	7/11/2023 12:53:42 PM		VOC		0.589	0.589								
592-910760	7/11/2023 12:53:32 PM		VOC		0.584	0.584								
592-910760	7/11/2023 12:53:22 PM		VOC		0.606	0.606								
592-910760	7/11/2023 12:53:12 PM		VOC		0.656	0.656								
592-910760	7/11/2023 12:53:02 PM		VOC		0.797	0.797								
592-910760	7/11/2023 12:52:52 PM		VOC		0.65	0.65								
592-910760	7/11/2023 12:52:42 PM		VOC		0.556	0.556								
592-910760	7/11/2023 12:52:32 PM		VOC		0.547	0.547								
592-910760	7/11/2023 12:52:22 PM		VOC		0.563	0.563								
592-910760	7/11/2023 12:52:12 PM		VOC		0.567	0.567								
592-910760	7/11/2023 12:52:02 PM		VOC		0.57	0.57								
592-910760	7/11/2023 12:51:52 PM		VOC		0.568	0.568								
592-910760	7/11/2023 12:51:42 PM		VOC		0.571	0.571								
592-910760	7/11/2023 12:51:32 PM		VOC		0.577	0.577								
592-910760	7/11/2023 12:51:22 PM		VOC		0.581	0.581								
592-910760	7/11/2023 12:51:12 PM		VOC		0.583	0.583								
592-910760	7/11/2023 12:51:02 PM		VOC		0.586	0.586								
592-910760	7/11/2023 12:50:52 PM		VOC		0.592	0.592								
592-910760	7/11/2023 12:50:42 PM		VOC		0.588	0.588								
592-910760	7/11/2023 12:50:32 PM		VOC		0.583	0.583								
592-910760	7/11/2023 12:50:22 PM		VOC		0.587	0.587								
592-910760	7/11/2023 12:50:12 PM		VOC		0.615	0.615								
592-910760	7/11/2023 12:50:02 PM		VOC		0.591	0.591								
592-910760	7/11/2023 12:49:52 PM		VOC		0.592	0.592								
592-910760	7/11/2023 12:49:42 PM		VOC		0.598	0.598								
592-910760	7/11/2023 12:49:32 PM		VOC		0.602	0.602								
592-910760	7/11/2023 12:49:22 PM		VOC		0.607	0.607								
592-910760	7/11/2023 12:49:12 PM		VOC		0.601	0.601								
592-910760	7/11/2023 12:49:02 PM		VOC		0.601	0.601								
592-910760	7/11/2023 12:48:52 PM		VOC		0.604	0.604								
592-910760	7/11/2023 12:48:42 PM		VOC		0.602	0.602								
592-910760	7/11/2023 12:48:32 PM		VOC		0.6	0.6								
592-910760	7/11/2023 12:48:22 PM		VOC		0.6	0.6								
592-910760	7/11/2023 12:48:12 PM		VOC		0.601	0.601								
592-910760	7/11/2023 12:48:02 PM		VOC		0.6	0.6								
592-910760	7/11/2023 12:47:52 PM		VOC		0.598	0.598								

592-910760	7/11/2023 12:47:42 PM		VOC		0.598	0.598								
592-910760	7/11/2023 12:47:32 PM		VOC		0.602	0.602								
592-910760	7/11/2023 12:47:22 PM		VOC		0.607	0.607								
592-910760	7/11/2023 12:47:12 PM		VOC		0.606	0.606								
592-910760	7/11/2023 12:47:02 PM		VOC		0.613	0.613								
592-910760	7/11/2023 12:46:52 PM		VOC		0.622	0.622								
592-910760	7/11/2023 12:46:42 PM		VOC		0.65	0.65								
592-910760	7/11/2023 12:46:32 PM		VOC		0.74	0.74								
592-910760	7/11/2023 12:46:22 PM		VOC		0.682	0.682								
592-910760	7/11/2023 12:46:12 PM		VOC		0.599	0.599								
592-910760	7/11/2023 12:46:02 PM		VOC		0.592	0.592								
592-910760	7/11/2023 12:45:52 PM		VOC		0.604	0.604								
592-910760	7/11/2023 12:45:42 PM		VOC		0.606	0.606								
592-910760	7/11/2023 12:45:32 PM		VOC		0.604	0.604								
592-910760	7/11/2023 12:45:22 PM		VOC		0.608	0.608								
592-910760	7/11/2023 12:45:12 PM		VOC		0.615	0.615								
592-910760	7/11/2023 12:45:02 PM		VOC		0.617	0.617								
592-910760	7/11/2023 12:44:52 PM		VOC		0.627	0.627								
592-910760	7/11/2023 12:44:42 PM		VOC		0.621	0.621								
592-910760	7/11/2023 12:44:32 PM		VOC		0.604	0.604								
592-910760	7/11/2023 12:44:22 PM		VOC		0.631	0.631								
592-910760	7/11/2023 12:44:12 PM		VOC		0.618	0.618								
592-910760	7/11/2023 12:44:02 PM		VOC		0.62	0.62								
592-910760	7/11/2023 12:43:52 PM		VOC		0.653	0.653								
592-910760	7/11/2023 12:43:42 PM		VOC		0.655	0.655								
592-910760	7/11/2023 12:43:32 PM		VOC		0.657	0.657								
592-910760	7/11/2023 12:43:22 PM		VOC		0.716	0.716								
592-910760	7/11/2023 12:43:12 PM		VOC		0.658	0.658								
592-910760	7/11/2023 12:43:02 PM		VOC		0.649	0.649								
592-910760	7/11/2023 12:42:52 PM		VOC		0.652	0.652								
592-910760	7/11/2023 12:42:42 PM		VOC		0.648	0.648								
592-910760	7/11/2023 12:42:32 PM		VOC		0.56	0.56								
592-910760	7/11/2023 12:42:22 PM		VOC		0.586	0.586								
592-910760	7/11/2023 12:42:12 PM		VOC		0.663	0.663								
592-910760	7/11/2023 12:42:02 PM		VOC		0.637	0.637								
592-910760	7/11/2023 12:41:52 PM		VOC		0.58	0.58								
592-910760	7/11/2023 12:41:42 PM		VOC		0.696	0.696								
592-910760	7/11/2023 12:41:32 PM		VOC		0.692	0.692								
592-910760	7/11/2023 12:41:22 PM		VOC		0.694	0.694								
592-910760	7/11/2023 12:41:12 PM		VOC		0.701	0.701								
592-910760	7/11/2023 12:41:02 PM		VOC		0.703	0.703								
592-910760	7/11/2023 12:40:52 PM		VOC		0.707	0.707								
592-910760	7/11/2023 12:40:42 PM		VOC		0.696	0.696								
592-910760	7/11/2023 12:40:32 PM		VOC		0.549	0.549								
592-910760	7/11/2023 12:40:22 PM		VOC		0.644	0.644								
592-910760	7/11/2023 12:40:12 PM		VOC		0.743	0.743								
592-910760	7/11/2023 12:40:02 PM		VOC		0.749	0.749								
592-910760	7/11/2023 12:39:52 PM		VOC		0.753	0.753								
592-910760	7/11/2023 12:39:42 PM		VOC		0.759	0.759								
592-910760	7/11/2023 12:39:32 PM		VOC		0.76	0.76								
592-910760	7/11/2023 12:39:22 PM		VOC		0.762	0.762								
592-910760	7/11/2023 12:39:12 PM		VOC		0.755	0.755								
592-910760	7/11/2023 12:39:02 PM		VOC		0.761	0.761								
592-910760	7/11/2023 12:38:52 PM		VOC		0.69	0.69								
592-910760	7/11/2023 12:38:42 PM		VOC		0.78	0.78								
592-910760	7/11/2023 12:38:32 PM		VOC		0.782	0.782								
592-910760	7/11/2023 12:38:22 PM		VOC		0.793	0.793								
592-910760	7/11/2023 12:38:12 PM		VOC		0.81	0.81								
592-910760	7/11/2023 12:38:02 PM		VOC		0.863	0.863								
592-910760	7/11/2023 12:37:52 PM		VOC		0.791	0.791								
592-910760	7/11/2023 12:37:42 PM		VOC		0.792	0.792								
592-910760	7/11/2023 12:37:32 PM		VOC		0.79	0.79								
592-910760	7/11/2023 12:37:22 PM		VOC		0.795	0.795								
592-910760	7/11/2023 12:37:12 PM		VOC		0.796	0.796								
592-910760	7/11/2023 12:37:02 PM		VOC		0.805	0.805								
592-910760	7/11/2023 12:36:52 PM		VOC		0.813	0.813								
592-910760	7/11/2023 12:36:42 PM		VOC		0.818	0.818								
592-910760	7/11/2023 12:36:32 PM		VOC		0.823	0.823								
592-910760	7/11/2023 12:36:22 PM		VOC		0.828	0.828								
592-910760	7/11/2023 12:36:12 PM		VOC		0.831	0.831								
592-910760	7/11/2023 12:36:02 PM		VOC		0.83	0.83								
592-910760	7/11/2023 12:35:52 PM		VOC		0.832	0.832								
592-910760	7/11/2023 12:35:42 PM		VOC		0.82	0.82								
592-910760	7/11/2023 12:35:32 PM		VOC		0.838	0.838								
592-910760	7/11/2023 12:35:22 PM		VOC		0.819	0.819								
592-910760	7/11/2023 12:35:12 PM		VOC		0.845	0.845								
592-910760	7/11/2023 12:35:02 PM		VOC		0.845	0.845								
592-910760	7/11/2023 12:34:52 PM		VOC		0.848	0.848								
592-910760	7/11/2023 12:34:42 PM		VOC		0.847	0.847								
592-910760	7/11/2023 12:34:32 PM		VOC		0.845	0.845								
592-910760	7/11/2023 12:34:22 PM		VOC		0.847	0.847								
592-910760	7/11/2023 12:34:12 PM		VOC		0.851	0.851								
592-910760	7/11/2023 12:34:02 PM		VOC		0.857	0.857								
592-910760	7/11/2023 12:33:52 PM		VOC		0.828	0.828								
592-910760	7/11/2023 12:33:42 PM		VOC		0.864	0.864								
592-910760	7/11/2023 12:33:32 PM		VOC		0.869	0.869								
592-910760	7/11/2023 12:33:22 PM		VOC		0.873	0.873								
592-910760	7/11/2023 12:33:12 PM		VOC		0.876	0.876								
592-910760	7/11/2023 12:33:02 PM		VOC		0.881	0.881								
592-910760	7/11/2023 12:32:52 PM		VOC		0.885	0.885								
592-910760	7/11/2023 12:32:42 PM		VOC		0.887	0.887								
592-910760	7/11/2023 12:32:32 PM		VOC		0.889	0.889								
592-910760	7/11/2023 12:32:22 PM		VOC		0.892	0.892								
592-910760	7/11/2023 12:32:12 PM		VOC		0.893	0.893								
592-910760	7/11/2023 12:32:02 PM		VOC		0.887	0.887								
592-910760	7/11/2023 12:31:52 PM		VOC		0.901	0.901								
592-910760	7/11/2023 12:31:42 PM		VOC		0.891	0.891								
592-910760	7/11/2023 12:31:32 PM		VOC		0.911	0.911								
592-910760	7/11/2023 12:31:22 PM		VOC		0.907	0.907								
592-910760	7/11/2023 12:31:12 PM		VOC		0.907	0.907								
592-910760	7/11/2023 12:31:02 PM		VOC		0.917	0.917								

592-910760	7/11/2023 12:30:52 PM		VOC		0.926	0.926								
592-910760	7/11/2023 12:30:42 PM		VOC		0.909	0.909								
592-910760	7/11/2023 12:30:32 PM		VOC		0.904	0.904								
592-910760	7/11/2023 12:30:22 PM		VOC		0.911	0.911								
592-910760	7/11/2023 12:30:12 PM		VOC		0.949	0.949								
592-910760	7/11/2023 12:30:02 PM		VOC		0.94	0.94								
592-910760	7/11/2023 12:29:52 PM		VOC		0.897	0.897								
592-910760	7/11/2023 12:29:42 PM		VOC		0.899	0.899								
592-910760	7/11/2023 12:29:32 PM		VOC		0.898	0.898								
592-910760	7/11/2023 12:29:22 PM		VOC		0.899	0.899								
592-910760	7/11/2023 12:29:12 PM		VOC		0.903	0.903								
592-910760	7/11/2023 12:29:02 PM		VOC		0.904	0.904								
592-910760	7/11/2023 12:28:52 PM		VOC		0.911	0.911								
592-910760	7/11/2023 12:28:42 PM		VOC		0.917	0.917								
592-910760	7/11/2023 12:28:32 PM		VOC		0.927	0.927								
592-910760	7/11/2023 12:28:22 PM		VOC		0.956	0.956								
592-910760	7/11/2023 12:28:12 PM		VOC		0.917	0.917								
592-910760	7/11/2023 12:28:02 PM		VOC		0.926	0.926								
592-910760	7/11/2023 12:27:52 PM		VOC		0.931	0.931								
592-910760	7/11/2023 12:27:42 PM		VOC		0.924	0.924								
592-910760	7/11/2023 12:27:32 PM		VOC		0.936	0.936								
592-910760	7/11/2023 12:27:22 PM		VOC		0.939	0.939								
592-910760	7/11/2023 12:27:12 PM		VOC		0.942	0.942								
592-910760	7/11/2023 12:27:02 PM		VOC		0.938	0.938								
592-910760	7/11/2023 12:26:52 PM		VOC		0.946	0.946								
592-910760	7/11/2023 12:26:42 PM		VOC		0.951	0.951								
592-910760	7/11/2023 12:26:32 PM		VOC		0.954	0.954								
592-910760	7/11/2023 12:26:22 PM		VOC		0.957	0.957								
592-910760	7/11/2023 12:26:12 PM		VOC		0.963	0.963								
592-910760	7/11/2023 12:26:02 PM		VOC		0.966	0.966								
592-910760	7/11/2023 12:25:52 PM		VOC		0.964	0.964								
592-910760	7/11/2023 12:25:42 PM		VOC		0.968	0.968								
592-910760	7/11/2023 12:25:32 PM		VOC		0.973	0.973								
592-910760	7/11/2023 12:25:22 PM		VOC		0.983	0.983								
592-910760	7/11/2023 12:25:12 PM		VOC		0.983	0.983								
592-910760	7/11/2023 12:25:02 PM		VOC		0.976	0.976								
592-910760	7/11/2023 12:24:52 PM		VOC		0.988	0.988								
592-910760	7/11/2023 12:24:42 PM		VOC		0.994	0.994								
592-910760	7/11/2023 12:24:32 PM		VOC		0.999	0.999								
592-910760	7/11/2023 12:24:22 PM		VOC		0.997	0.997								
592-910760	7/11/2023 12:24:12 PM		VOC		0.994	0.994								
592-910760	7/11/2023 12:24:02 PM		VOC		0.997	0.997								
592-910760	7/11/2023 12:23:52 PM		VOC		1.0	1.0								
592-910760	7/11/2023 12:23:42 PM		VOC		1.002	1.002								
592-910760	7/11/2023 12:23:32 PM		VOC		1.005	1.005								
592-910760	7/11/2023 12:23:22 PM		VOC		1.006	1.006								
592-910760	7/11/2023 12:23:12 PM		VOC		1.006	1.006								
592-910760	7/11/2023 12:23:02 PM		VOC		1.006	1.006								
592-910760	7/11/2023 12:22:52 PM		VOC		1.009	1.009								
592-910760	7/11/2023 12:22:42 PM		VOC		1.008	1.008								
592-910760	7/11/2023 12:22:32 PM		VOC		1.013	1.013								
592-910760	7/11/2023 12:22:22 PM		VOC		1.018	1.018								
592-910760	7/11/2023 12:22:12 PM		VOC		1.019	1.019								
592-910760	7/11/2023 12:22:02 PM		VOC		1.023	1.023								
592-910760	7/11/2023 12:21:52 PM		VOC		1.026	1.026								
592-910760	7/11/2023 12:21:42 PM		VOC		1.035	1.035								
592-910760	7/11/2023 12:21:32 PM		VOC		1.045	1.045								
592-910760	7/11/2023 12:21:22 PM		VOC		1.021	1.021								
592-910760	7/11/2023 12:21:12 PM		VOC		1.022	1.022								
592-910760	7/11/2023 12:21:02 PM		VOC		1.033	1.033								
592-910760	7/11/2023 12:20:52 PM		VOC		1.047	1.047								
592-910760	7/11/2023 12:20:42 PM		VOC		1.077	1.077								
592-910760	7/11/2023 12:20:32 PM		VOC		1.107	1.107								
592-910760	7/11/2023 12:20:22 PM		VOC		1.039	1.039								
592-910760	7/11/2023 12:20:12 PM		VOC		0.998	0.998								
592-910760	7/11/2023 12:20:02 PM		VOC		1.001	1.001								
592-910760	7/11/2023 12:19:52 PM		VOC		1.0	1.0								
592-910760	7/11/2023 12:19:42 PM		VOC		1.0	1.0								
592-910760	7/11/2023 12:19:32 PM		VOC		1.0	1.0								
592-910760	7/11/2023 12:19:22 PM		VOC		0.997	0.997								
592-910760	7/11/2023 12:19:12 PM		VOC		0.995	0.995								
592-910760	7/11/2023 12:19:02 PM		VOC		0.998	0.998								
592-910760	7/11/2023 12:18:52 PM		VOC		0.998	0.998								
592-910760	7/11/2023 12:18:42 PM		VOC		0.997	0.997								
592-910760	7/11/2023 12:18:32 PM		VOC		0.994	0.994								
592-910760	7/11/2023 12:18:22 PM		VOC		0.992	0.992								
592-910760	7/11/2023 12:18:12 PM		VOC		0.995	0.995								
592-910760	7/11/2023 12:18:02 PM		VOC		0.996	0.996								
592-910760	7/11/2023 12:17:52 PM		VOC		0.995	0.995								
592-910760	7/11/2023 12:17:42 PM		VOC		0.991	0.991								
592-910760	7/11/2023 12:17:32 PM		VOC		0.991	0.991								
592-910760	7/11/2023 12:17:22 PM		VOC		0.99	0.99								
592-910760	7/11/2023 12:17:12 PM		VOC		0.991	0.991								
592-910760	7/11/2023 12:17:02 PM		VOC		0.988	0.988								
592-910760	7/11/2023 12:16:52 PM		VOC		0.987	0.987								
592-910760	7/11/2023 12:16:42 PM		VOC		0.988	0.988								
592-910760	7/11/2023 12:16:32 PM		VOC		0.986	0.986								
592-910760	7/11/2023 12:16:22 PM		VOC		0.985	0.985								
592-910760	7/11/2023 12:16:12 PM		VOC		0.986	0.986								
592-910760	7/11/2023 12:16:02 PM		VOC		0.986	0.986								
592-910760	7/11/2023 12:15:52 PM		VOC		0.982	0.982								
592-910760	7/11/2023 12:15:42 PM		VOC		0.98	0.98								
592-910760	7/11/2023 12:15:32 PM		VOC		0.977	0.977								
592-910760	7/11/2023 12:15:22 PM		VOC		0.978	0.978								
592-910760	7/11/2023 12:15:12 PM		VOC		0.979	0.979								
592-910760	7/11/2023 12:15:02 PM		VOC		0.978	0.978								
592-910760	7/11/2023 12:14:52 PM		VOC		0.976	0.976								
592-910760	7/11/2023 12:14:42 PM		VOC		0.973	0.973								
592-910760	7/11/2023 12:14:32 PM		VOC		0.972	0.972								
592-910760	7/11/2023 12:14:22 PM		VOC		0.973	0.973								
592-910760	7/11/2023 12:14:12 PM		VOC		0.966	0.966								

592-910760	7/11/2023 12:14:02 PM		VOC		0.962	0.962								
592-910760	7/11/2023 12:13:52 PM		VOC		0.962	0.962								
592-910760	7/11/2023 12:13:42 PM		VOC		0.96	0.96								
592-910760	7/11/2023 12:13:32 PM		VOC		0.96	0.96								
592-910760	7/11/2023 12:13:22 PM		VOC		0.959	0.959								
592-910760	7/11/2023 12:13:12 PM		VOC		0.954	0.954								
592-910760	7/11/2023 12:13:02 PM		VOC		0.955	0.955								
592-910760	7/11/2023 12:12:52 PM		VOC		0.954	0.954								
592-910760	7/11/2023 12:12:42 PM		VOC		0.955	0.955								
592-910760	7/11/2023 12:12:32 PM		VOC		0.948	0.948								
592-910760	7/11/2023 12:12:22 PM		VOC		0.949	0.949								
592-910760	7/11/2023 12:12:12 PM		VOC		0.948	0.948								
592-910760	7/11/2023 12:12:02 PM		VOC		0.947	0.947								
592-910760	7/11/2023 12:11:52 PM		VOC		0.944	0.944								
592-910760	7/11/2023 12:11:42 PM		VOC		0.944	0.944								
592-910760	7/11/2023 12:11:32 PM		VOC		0.941	0.941								
592-910760	7/11/2023 12:11:22 PM		VOC		0.942	0.942								
592-910760	7/11/2023 12:11:12 PM		VOC		0.94	0.94								
592-910760	7/11/2023 12:11:02 PM		VOC		0.938	0.938								
592-910760	7/11/2023 12:10:52 PM		VOC		0.939	0.939								
592-910760	7/11/2023 12:10:42 PM		VOC		0.938	0.938								
592-910760	7/11/2023 12:10:32 PM		VOC		0.935	0.935								
592-910760	7/11/2023 12:10:22 PM		VOC		0.936	0.936								
592-910760	7/11/2023 12:10:12 PM		VOC		0.933	0.933								
592-910760	7/11/2023 12:10:02 PM		VOC		0.928	0.928								
592-910760	7/11/2023 12:09:52 PM		VOC		0.925	0.925								
592-910760	7/11/2023 12:09:42 PM		VOC		0.925	0.925								
592-910760	7/11/2023 12:09:32 PM		VOC		0.922	0.922								
592-910760	7/11/2023 12:09:22 PM		VOC		0.919	0.919								
592-910760	7/11/2023 12:09:12 PM		VOC		0.919	0.919								
592-910760	7/11/2023 12:09:02 PM		VOC		0.917	0.917								
592-910760	7/11/2023 12:08:52 PM		VOC		0.912	0.912								
592-910760	7/11/2023 12:08:42 PM		VOC		0.917	0.917								
592-910760	7/11/2023 12:08:32 PM		VOC		0.914	0.914								
592-910760	7/11/2023 12:08:22 PM		VOC		0.908	0.908								
592-910760	7/11/2023 12:08:12 PM		VOC		0.907	0.907								
592-910760	7/11/2023 12:08:02 PM		VOC		0.906	0.906								
592-910760	7/11/2023 12:07:52 PM		VOC		0.902	0.902								
592-910760	7/11/2023 12:07:42 PM		VOC		0.897	0.897								
592-910760	7/11/2023 12:07:32 PM		VOC		0.895	0.895								
592-910760	7/11/2023 12:07:22 PM		VOC		0.896	0.896								
592-910760	7/11/2023 12:07:12 PM		VOC		0.893	0.893								
592-910760	7/11/2023 12:07:02 PM		VOC		0.895	0.895								
592-910760	7/11/2023 12:06:52 PM		VOC		0.889	0.889								
592-910760	7/11/2023 12:06:42 PM		VOC		0.886	0.886								
592-910760	7/11/2023 12:06:32 PM		VOC		0.887	0.887								
592-910760	7/11/2023 12:06:22 PM		VOC		0.884	0.884								
592-910760	7/11/2023 12:06:12 PM		VOC		0.879	0.879								
592-910760	7/11/2023 12:06:02 PM		VOC		0.877	0.877								
592-910760	7/11/2023 12:05:52 PM		VOC		0.875	0.875								
592-910760	7/11/2023 12:05:42 PM		VOC		0.873	0.873								
592-910760	7/11/2023 12:05:32 PM		VOC		0.874	0.874								
592-910760	7/11/2023 12:05:22 PM		VOC		0.872	0.872								
592-910760	7/11/2023 12:05:12 PM		VOC		0.87	0.87								
592-910760	7/11/2023 12:05:02 PM		VOC		0.866	0.866								
592-910760	7/11/2023 12:04:52 PM		VOC		0.863	0.863								
592-910760	7/11/2023 12:04:42 PM		VOC		0.861	0.861								
592-910760	7/11/2023 12:04:32 PM		VOC		0.861	0.861								
592-910760	7/11/2023 12:04:22 PM		VOC		0.86	0.86								
592-910760	7/11/2023 12:04:12 PM		VOC		0.86	0.86								
592-910760	7/11/2023 12:04:02 PM		VOC		0.857	0.857								
592-910760	7/11/2023 12:03:52 PM		VOC		0.855	0.855								
592-910760	7/11/2023 12:03:42 PM		VOC		0.851	0.851								
592-910760	7/11/2023 12:03:32 PM		VOC		0.85	0.85								
592-910760	7/11/2023 12:03:22 PM		VOC		0.849	0.849								
592-910760	7/11/2023 12:03:12 PM		VOC		0.849	0.849								
592-910760	7/11/2023 12:03:02 PM		VOC		0.846	0.846								
592-910760	7/11/2023 12:02:52 PM		VOC		0.843	0.843								
592-910760	7/11/2023 12:02:42 PM		VOC		0.839	0.839								
592-910760	7/11/2023 12:02:32 PM		VOC		0.838	0.838								
592-910760	7/11/2023 12:02:22 PM		VOC		0.836	0.836								
592-910760	7/11/2023 12:02:12 PM		VOC		0.835	0.835								
592-910760	7/11/2023 12:02:02 PM		VOC		0.835	0.835								
592-910760	7/11/2023 12:01:52 PM		VOC		0.831	0.831								
592-910760	7/11/2023 12:01:42 PM		VOC		0.827	0.827								
592-910760	7/11/2023 12:01:32 PM		VOC		0.821	0.821								
592-910760	7/11/2023 12:01:22 PM		VOC		0.819	0.819								
592-910760	7/11/2023 12:01:12 PM		VOC		0.817	0.817								
592-910760	7/11/2023 12:01:02 PM		VOC		0.818	0.818								
592-910760	7/11/2023 12:00:52 PM		VOC		0.814	0.814								
592-910760	7/11/2023 12:00:42 PM		VOC		0.809	0.809								
592-910760	7/11/2023 12:00:32 PM		VOC		0.807	0.807								
592-910760	7/11/2023 12:00:22 PM		VOC		0.808	0.808								
592-910760	7/11/2023 12:00:12 PM		VOC		0.804	0.804								
592-910760	7/11/2023 12:00:02 PM		VOC		0.803	0.803								
592-910760	7/11/2023 11:59:52 AM		VOC		0.802	0.802								
592-910760	7/11/2023 11:59:42 AM		VOC		0.801	0.801								
592-910760	7/11/2023 11:59:32 AM		VOC		0.802	0.802								
592-910760	7/11/2023 11:59:22 AM		VOC		0.805	0.805								
592-910760	7/11/2023 11:59:12 AM		VOC		0.798	0.798								
592-910760	7/11/2023 11:59:02 AM		VOC		0.799	0.799								
592-910760	7/11/2023 11:58:52 AM		VOC		0.8	0.8								
592-910760	7/11/2023 11:58:42 AM		VOC		0.807	0.807								
592-910760	7/11/2023 11:58:32 AM		VOC		0.82	0.82								
592-910760	7/11/2023 11:58:22 AM		VOC		0.892	0.892								
592-910760	7/11/2023 11:58:12 AM		VOC		0.79	0.79								
592-910760	7/11/2023 11:58:02 AM		VOC		0.778	0.778								
592-910760	7/11/2023 11:57:52 AM		VOC		0.776	0.776								
592-910760	7/11/2023 11:57:42 AM		VOC		0.771	0.771								
592-910760	7/11/2023 11:57:32 AM		VOC		0.768	0.768								
592-910760	7/11/2023 11:57:22 AM		VOC		0.764	0.764								

592-910760	7/11/2023 11:57:12 AM		VOC		0.763	0.763								
592-910760	7/11/2023 11:57:02 AM		VOC		0.763	0.763								
592-910760	7/11/2023 11:56:52 AM		VOC		0.761	0.761								
592-910760	7/11/2023 11:56:42 AM		VOC		0.756	0.756								
592-910760	7/11/2023 11:56:32 AM		VOC		0.754	0.754								
592-910760	7/11/2023 11:56:22 AM		VOC		0.751	0.751								
592-910760	7/11/2023 11:56:12 AM		VOC		0.75	0.75								
592-910760	7/11/2023 11:56:02 AM		VOC		0.749	0.749								
592-910760	7/11/2023 11:55:52 AM		VOC		0.75	0.75								
592-910760	7/11/2023 11:55:42 AM		VOC		0.748	0.748								
592-910760	7/11/2023 11:55:32 AM		VOC		0.741	0.741								
592-910760	7/11/2023 11:55:22 AM		VOC		0.741	0.741								
592-910760	7/11/2023 11:55:12 AM		VOC		0.739	0.739								
592-910760	7/11/2023 11:55:02 AM		VOC		0.735	0.735								
592-910760	7/11/2023 11:54:52 AM		VOC		0.737	0.737								
592-910760	7/11/2023 11:54:42 AM		VOC		0.736	0.736								
592-910760	7/11/2023 11:54:32 AM		VOC		0.733	0.733								
592-910760	7/11/2023 11:54:22 AM		VOC		0.729	0.729								
592-910760	7/11/2023 11:54:12 AM		VOC		0.725	0.725								
592-910760	7/11/2023 11:54:02 AM		VOC		0.724	0.724								
592-910760	7/11/2023 11:53:52 AM		VOC		0.722	0.722								
592-910760	7/11/2023 11:53:42 AM		VOC		0.717	0.717								
592-910760	7/11/2023 11:53:32 AM		VOC		0.714	0.714								
592-910760	7/11/2023 11:53:22 AM		VOC		0.714	0.714								
592-910760	7/11/2023 11:53:12 AM		VOC		0.712	0.712								
592-910760	7/11/2023 11:53:02 AM		VOC		0.71	0.71								
592-910760	7/11/2023 11:52:52 AM		VOC		0.709	0.709								
592-910760	7/11/2023 11:52:42 AM		VOC		0.706	0.706								
592-910760	7/11/2023 11:52:32 AM		VOC		0.704	0.704								
592-910760	7/11/2023 11:52:22 AM		VOC		0.702	0.702								
592-910760	7/11/2023 11:52:12 AM		VOC		0.697	0.697								
592-910760	7/11/2023 11:52:02 AM		VOC		0.697	0.697								
592-910760	7/11/2023 11:51:52 AM		VOC		0.69	0.69								
592-910760	7/11/2023 11:51:42 AM		VOC		0.686	0.686								
592-910760	7/11/2023 11:51:32 AM		VOC		0.686	0.686								
592-910760	7/11/2023 11:51:22 AM		VOC		0.687	0.687								
592-910760	7/11/2023 11:51:12 AM		VOC		0.682	0.682								
592-910760	7/11/2023 11:51:02 AM		VOC		0.68	0.68								
592-910760	7/11/2023 11:50:52 AM		VOC		0.705	0.705								
592-910760	7/11/2023 11:50:42 AM		VOC		0.674	0.674								
592-910760	7/11/2023 11:50:32 AM		VOC		0.671	0.671								
592-910760	7/11/2023 11:50:22 AM		VOC		0.669	0.669								
592-910760	7/11/2023 11:50:12 AM		VOC		0.666	0.666								
592-910760	7/11/2023 11:50:02 AM		VOC		0.662	0.662								
592-910760	7/11/2023 11:49:52 AM		VOC		0.66	0.66								
592-910760	7/11/2023 11:49:42 AM		VOC		0.655	0.655								
592-910760	7/11/2023 11:49:32 AM		VOC		0.65	0.65								
592-910760	7/11/2023 11:49:22 AM		VOC		0.645	0.645								
592-910760	7/11/2023 11:49:12 AM		VOC		0.638	0.638								
592-910760	7/11/2023 11:49:02 AM		VOC		0.636	0.636								
592-910760	7/11/2023 11:48:52 AM		VOC		0.638	0.638								
592-910760	7/11/2023 11:48:42 AM		VOC		0.631	0.631								
592-910760	7/11/2023 11:48:32 AM		VOC		0.628	0.628								
592-910760	7/11/2023 11:48:22 AM		VOC		0.63	0.63								
592-910760	7/11/2023 11:48:12 AM		VOC		0.626	0.626								
592-910760	7/11/2023 11:48:02 AM		VOC		0.622	0.622								
592-910760	7/11/2023 11:47:52 AM		VOC		0.619	0.619								
592-910760	7/11/2023 11:47:42 AM		VOC		0.616	0.616								
592-910760	7/11/2023 11:47:32 AM		VOC		0.613	0.613								
592-910760	7/11/2023 11:47:22 AM		VOC		0.604	0.604								
592-910760	7/11/2023 11:47:12 AM		VOC		0.607	0.607								
592-910760	7/11/2023 11:47:02 AM		VOC		0.599	0.599								
592-910760	7/11/2023 11:46:52 AM		VOC		0.597	0.597								
592-910760	7/11/2023 11:46:42 AM		VOC		0.593	0.593								
592-910760	7/11/2023 11:46:32 AM		VOC		0.591	0.591								
592-910760	7/11/2023 11:46:22 AM		VOC		0.587	0.587								
592-910760	7/11/2023 11:46:12 AM		VOC		0.581	0.581								
592-910760	7/11/2023 11:46:02 AM		VOC		0.579	0.579								
592-910760	7/11/2023 11:45:52 AM		VOC		0.575	0.575								
592-910760	7/11/2023 11:45:42 AM		VOC		0.57	0.57								
592-910760	7/11/2023 11:45:32 AM		VOC		0.567	0.567								
592-910760	7/11/2023 11:45:22 AM		VOC		0.565	0.565								
592-910760	7/11/2023 11:45:12 AM		VOC		0.563	0.563								
592-910760	7/11/2023 11:45:02 AM		VOC		0.562	0.562								
592-910760	7/11/2023 11:44:52 AM		VOC		0.555	0.555								
592-910760	7/11/2023 11:44:42 AM		VOC		0.549	0.549								
592-910760	7/11/2023 11:44:32 AM		VOC		0.549	0.549								
592-910760	7/11/2023 11:44:22 AM		VOC		0.546	0.546								
592-910760	7/11/2023 11:44:12 AM		VOC		0.54	0.54								
592-910760	7/11/2023 11:44:02 AM		VOC		0.534	0.534								
592-910760	7/11/2023 11:43:52 AM		VOC		0.533	0.533								
592-910760	7/11/2023 11:43:42 AM		VOC		0.529	0.529								
592-910760	7/11/2023 11:43:32 AM		VOC		0.528	0.528								
592-910760	7/11/2023 11:43:22 AM		VOC		0.523	0.523								
592-910760	7/11/2023 11:43:12 AM		VOC		0.521	0.521								
592-910760	7/11/2023 11:43:02 AM		VOC		0.518	0.518								
592-910760	7/11/2023 11:42:52 AM		VOC		0.511	0.511								
592-910760	7/11/2023 11:42:42 AM		VOC		0.506	0.506								
592-910760	7/11/2023 11:42:32 AM		VOC		0.505	0.505								
592-910760	7/11/2023 11:42:22 AM		VOC		0.502	0.502								
592-910760	7/11/2023 11:42:12 AM		VOC		0.498	0.498								
592-910760	7/11/2023 11:42:02 AM		VOC		0.497	0.497								
592-910760	7/11/2023 11:41:52 AM		VOC		0.498	0.498								
592-910760	7/11/2023 11:41:42 AM		VOC		0.486	0.486								
592-910760	7/11/2023 11:41:32 AM		VOC		0.483	0.483								
592-910760	7/11/2023 11:41:22 AM		VOC		0.482	0.482								
592-910760	7/11/2023 11:41:12 AM		VOC		0.478	0.478								
592-910760	7/11/2023 11:41:02 AM		VOC		0.474	0.474								
592-910760	7/11/2023 11:40:52 AM		VOC		0.472	0.472								
592-910760	7/11/2023 11:40:42 AM		VOC		0.468	0.468								
592-910760	7/11/2023 11:40:32 AM		VOC		0.467	0.467								

592-910760	7/11/2023 11:40:22 AM		VOC		0.468	0.468								
592-910760	7/11/2023 11:40:12 AM		VOC		0.468	0.468								
592-910760	7/11/2023 11:40:02 AM		VOC		0.46	0.46								
592-910760	7/11/2023 11:39:52 AM		VOC		0.456	0.456								
592-910760	7/11/2023 11:39:42 AM		VOC		0.45	0.45								
592-910760	7/11/2023 11:39:32 AM		VOC		0.445	0.445								
592-910760	7/11/2023 11:39:22 AM		VOC		0.441	0.441								
592-910760	7/11/2023 11:39:12 AM		VOC		0.438	0.438								
592-910760	7/11/2023 11:39:02 AM		VOC		0.437	0.437								
592-910760	7/11/2023 11:38:52 AM		VOC		0.435	0.435								
592-910760	7/11/2023 11:38:42 AM		VOC		0.429	0.429								
592-910760	7/11/2023 11:38:32 AM		VOC		0.427	0.427								
592-910760	7/11/2023 11:38:22 AM		VOC		0.423	0.423								
592-910760	7/11/2023 11:38:12 AM		VOC		0.424	0.424								
592-910760	7/11/2023 11:38:02 AM		VOC		0.42	0.42								
592-910760	7/11/2023 11:37:52 AM		VOC		0.417	0.417								
592-910760	7/11/2023 11:37:42 AM		VOC		0.411	0.411								
592-910760	7/11/2023 11:37:32 AM		VOC		0.409	0.409								
592-910760	7/11/2023 11:37:22 AM		VOC		0.406	0.406								
592-910760	7/11/2023 11:37:12 AM		VOC		0.402	0.402								
592-910760	7/11/2023 11:37:02 AM		VOC		0.4	0.4								
592-910760	7/11/2023 11:36:52 AM		VOC		0.407	0.407								
592-910760	7/11/2023 11:36:42 AM		VOC		0.41	0.41								
592-910760	7/11/2023 11:36:32 AM		VOC		0.395	0.395								
592-910760	7/11/2023 11:36:22 AM		VOC		0.39	0.39								
592-910760	7/11/2023 11:36:12 AM		VOC		0.384	0.384								
592-910760	7/11/2023 11:36:02 AM		VOC		0.379	0.379								
592-910760	7/11/2023 11:35:52 AM		VOC		0.377	0.377								
592-910760	7/11/2023 11:35:42 AM		VOC		0.371	0.371								
592-910760	7/11/2023 11:35:32 AM		VOC		0.368	0.368								
592-910760	7/11/2023 11:35:22 AM		VOC		0.373	0.373								
592-910760	7/11/2023 11:35:12 AM		VOC		0.36	0.36								
592-910760	7/11/2023 11:35:02 AM		VOC		0.354	0.354								
592-910760	7/11/2023 11:34:52 AM		VOC		0.353	0.353								
592-910760	7/11/2023 11:34:42 AM		VOC		0.356	0.356								
592-910760	7/11/2023 11:34:32 AM		VOC		0.34	0.34								
592-910760	7/11/2023 11:34:22 AM		VOC		0.344	0.344								
592-910760	7/11/2023 11:34:12 AM		VOC		0.336	0.336								
592-910760	7/11/2023 11:34:02 AM		VOC		0.332	0.332								
592-910760	7/11/2023 11:33:52 AM		VOC		0.327	0.327								
592-910760	7/11/2023 11:33:42 AM		VOC		0.326	0.326								
592-910760	7/11/2023 11:33:32 AM		VOC		0.279	0.279								
592-910760	7/11/2023 11:33:22 AM		VOC		0.306	0.306								
592-910760	7/11/2023 11:33:12 AM		VOC		0.507	0.507								
592-910760	7/11/2023 11:33:02 AM		VOC		0.214	0.214								
592-910760	7/11/2023 11:32:52 AM		VOC		0.166	0.166								
592-910760	7/11/2023 11:32:42 AM		VOC		0.329	0.329								
592-910760	7/11/2023 11:32:32 AM		VOC		0.33	0.33								
592-910760	7/11/2023 11:32:22 AM		VOC		0.33	0.33								
592-910760	7/11/2023 11:32:12 AM		VOC		0.333	0.333								
592-910760	7/11/2023 11:32:02 AM		VOC		0.339	0.339								
592-910760	7/11/2023 11:31:52 AM		VOC		0.338	0.338								
592-910760	7/11/2023 11:31:42 AM		VOC		0.347	0.347								
592-910760	7/11/2023 11:31:32 AM		VOC		0.35	0.35								
592-910760	7/11/2023 11:31:22 AM		VOC		0.351	0.351								
592-910760	7/11/2023 11:31:12 AM		VOC		0.353	0.353								
592-910760	7/11/2023 11:31:02 AM		VOC		0.352	0.352								
592-910760	7/11/2023 11:30:52 AM		VOC		0.357	0.357								
592-910760	7/11/2023 11:30:42 AM		VOC		0.364	0.364								
592-910760	7/11/2023 11:30:32 AM		VOC		0.362	0.362								
592-910760	7/11/2023 11:30:22 AM		VOC		0.359	0.359								
592-910760	7/11/2023 11:30:12 AM		VOC		0.359	0.359								
592-910760	7/11/2023 11:30:02 AM		VOC		0.358	0.358								
592-910760	7/11/2023 11:29:52 AM		VOC		0.362	0.362								
592-910760	7/11/2023 11:29:42 AM		VOC		0.326	0.326								
592-910760	7/11/2023 11:29:32 AM		VOC		0.365	0.365								
592-910760	7/11/2023 11:29:22 AM		VOC		0.367	0.367								
592-910760	7/11/2023 11:29:12 AM		VOC		0.352	0.352								
592-910760	7/11/2023 11:29:02 AM		VOC		0.37	0.37								
592-910760	7/11/2023 11:28:52 AM		VOC		0.377	0.377								
592-910760	7/11/2023 11:28:42 AM		VOC		0.381	0.381								
592-910760	7/11/2023 11:28:32 AM		VOC		0.381	0.381								
592-910760	7/11/2023 11:28:22 AM		VOC		0.385	0.385								
592-910760	7/11/2023 11:28:12 AM		VOC		0.385	0.385								
592-910760	7/11/2023 11:28:02 AM		VOC		0.383	0.383								
592-910760	7/11/2023 11:27:52 AM		VOC		0.382	0.382								
592-910760	7/11/2023 11:27:42 AM		VOC		0.379	0.379								
592-910760	7/11/2023 11:27:32 AM		VOC		0.378	0.378								
592-910760	7/11/2023 11:27:22 AM		VOC		0.383	0.383								
592-910760	7/11/2023 11:27:12 AM		VOC		0.386	0.386								
592-910760	7/11/2023 11:27:02 AM		VOC		0.388	0.388								
592-910760	7/11/2023 11:26:52 AM		VOC		0.388	0.388								
592-910760	7/11/2023 11:26:42 AM		VOC		0.387	0.387								
592-910760	7/11/2023 11:26:32 AM		VOC		0.384	0.384								
592-910760	7/11/2023 11:26:22 AM		VOC		0.383	0.383								
592-910760	7/11/2023 11:26:12 AM		VOC		0.383	0.383								
592-910760	7/11/2023 11:26:02 AM		VOC		0.38	0.38								
592-910760	7/11/2023 11:25:52 AM		VOC		0.38	0.38								
592-910760	7/11/2023 11:25:42 AM		VOC		0.382	0.382								
592-910760	7/11/2023 11:25:32 AM		VOC		0.386	0.386								
592-910760	7/11/2023 11:25:22 AM		VOC		0.389	0.389								
592-910760	7/11/2023 11:25:12 AM		VOC		0.399	0.399								
592-910760	7/11/2023 11:25:02 AM		VOC		0.403	0.403								
592-910760	7/11/2023 11:24:52 AM		VOC		0.408	0.408								
592-910760	7/11/2023 11:24:42 AM		VOC		0.411	0.411								
592-910760	7/11/2023 11:24:32 AM		VOC		0.409	0.409								
592-910760	7/11/2023 11:24:22 AM		VOC		0.41	0.41								
592-910760	7/11/2023 11:24:12 AM		VOC		0.412	0.412								
592-910760	7/11/2023 11:24:02 AM		VOC		0.415	0.415								
592-910760	7/11/2023 11:23:52 AM		VOC		0.41	0.41								
592-910760	7/11/2023 11:23:42 AM		VOC		0.404	0.404								

592-910760	7/11/2023 11:23:32 AM		VOC		0.413	0.413							
592-910760	7/11/2023 11:23:22 AM		VOC		0.412	0.412							
592-910760	7/11/2023 11:23:12 AM		VOC		0.41	0.41							
592-910760	7/11/2023 11:23:02 AM		VOC		0.414	0.414							
592-910760	7/11/2023 11:22:52 AM		VOC		0.415	0.415							
592-910760	7/11/2023 11:22:42 AM		VOC		0.361	0.361							
592-910760	7/11/2023 11:22:32 AM		VOC		0.42	0.42							
592-910760	7/11/2023 11:22:22 AM		VOC		0.419	0.419							
592-910760	7/11/2023 11:22:12 AM		VOC		0.429	0.429							
592-910760	7/11/2023 11:22:02 AM		VOC		0.431	0.431							
592-910760	7/11/2023 11:21:52 AM		VOC		0.434	0.434							
592-910760	7/11/2023 11:21:42 AM		VOC		0.438	0.438							
592-910760	7/11/2023 11:21:32 AM		VOC		0.441	0.441							
592-910760	7/11/2023 11:21:22 AM		VOC		0.443	0.443							
592-910760	7/11/2023 11:21:12 AM		VOC		0.448	0.448							
592-910760	7/11/2023 11:21:02 AM		VOC		0.453	0.453							
592-910760	7/11/2023 11:20:52 AM		VOC		0.456	0.456							
592-910760	7/11/2023 11:20:42 AM		VOC		0.462	0.462							
592-910760	7/11/2023 11:20:32 AM		VOC		0.464	0.464							
592-910760	7/11/2023 11:20:22 AM		VOC		0.463	0.463							
592-910760	7/11/2023 11:20:12 AM		VOC		0.466	0.466							
592-910760	7/11/2023 11:20:02 AM		VOC		0.47	0.47							
592-910760	7/11/2023 11:19:52 AM		VOC		0.443	0.443							
592-910760	7/11/2023 11:19:42 AM		VOC		0.457	0.457							
592-910760	7/11/2023 11:19:32 AM		VOC		0.459	0.459							
592-910760	7/11/2023 11:19:22 AM		VOC		0.455	0.455							
592-910760	7/11/2023 11:19:12 AM		VOC		0.451	0.451							
592-910760	7/11/2023 11:19:02 AM		VOC		0.464	0.464							
592-910760	7/11/2023 11:18:52 AM		VOC		0.468	0.468							
592-910760	7/11/2023 11:18:42 AM		VOC		0.47	0.47							
592-910760	7/11/2023 11:18:32 AM		VOC		0.476	0.476							
592-910760	7/11/2023 11:18:22 AM		VOC		0.479	0.479							
592-910760	7/11/2023 11:18:12 AM		VOC		0.484	0.484							
592-910760	7/11/2023 11:18:02 AM		VOC		0.474	0.474							
592-910760	7/11/2023 11:17:52 AM		VOC		0.506	0.506							
592-910760	7/11/2023 11:17:42 AM		VOC		0.489	0.489							
592-910760	7/11/2023 11:17:32 AM		VOC		0.516	0.516							
592-910760	7/11/2023 11:17:22 AM		VOC		0.609	0.609							
592-910760	7/11/2023 11:17:12 AM		VOC		0.577	0.577							
592-910760	7/11/2023 11:17:02 AM		VOC		0.573	0.573							
592-910760	7/11/2023 11:16:52 AM		VOC		0.729	0.729							
592-910760	7/11/2023 11:16:42 AM		VOC		0.568	0.568							
592-910760	7/11/2023 11:16:32 AM		VOC		0.43	0.43							
592-910760	7/11/2023 11:16:22 AM		VOC		0.428	0.428							
592-910760	7/11/2023 11:16:12 AM		VOC		0.425	0.425							
592-910760	7/11/2023 11:16:02 AM		VOC		0.429	0.429							
592-910760	7/11/2023 11:15:52 AM		VOC		0.425	0.425							
592-910760	7/11/2023 11:15:42 AM		VOC		0.42	0.42							
592-910760	7/11/2023 11:15:32 AM		VOC		0.414	0.414							
592-910760	7/11/2023 11:15:22 AM		VOC		0.412	0.412							
592-910760	7/11/2023 11:15:12 AM		VOC		0.41	0.41							
592-910760	7/11/2023 11:15:02 AM		VOC		0.41	0.41							
592-910760	7/11/2023 11:14:52 AM		VOC		0.407	0.407							
592-910760	7/11/2023 11:14:42 AM		VOC		0.406	0.406							
592-910760	7/11/2023 11:14:32 AM		VOC		0.408	0.408							
592-910760	7/11/2023 11:14:22 AM		VOC		0.406	0.406							
592-910760	7/11/2023 11:14:12 AM		VOC		0.409	0.409							
592-910760	7/11/2023 11:14:02 AM		VOC		0.41	0.41							
592-910760	7/11/2023 11:13:52 AM		VOC		0.413	0.413							
592-910760	7/11/2023 11:13:42 AM		VOC		0.417	0.417							
592-910760	7/11/2023 11:13:32 AM		VOC		0.398	0.398							
592-910760	7/11/2023 11:13:22 AM		VOC		0.423	0.423							
592-910760	7/11/2023 11:13:12 AM		VOC		0.428	0.428							
592-910760	7/11/2023 11:13:02 AM		VOC		0.43	0.43							
592-910760	7/11/2023 11:12:52 AM		VOC		0.434	0.434							
592-910760	7/11/2023 11:12:42 AM		VOC		0.439	0.439							
592-910760	7/11/2023 11:12:32 AM		VOC		0.447	0.447							
592-910760	7/11/2023 11:12:22 AM		VOC		0.44	0.44							
592-910760	7/11/2023 11:12:12 AM		VOC		0.438	0.438							
592-910760	7/11/2023 11:12:02 AM		VOC		0.443	0.443							
592-910760	7/11/2023 11:11:52 AM		VOC		0.444	0.444							
592-910760	7/11/2023 11:11:42 AM		VOC		0.445	0.445							
592-910760	7/11/2023 11:11:32 AM		VOC		0.442	0.442							
592-910760	7/11/2023 11:11:22 AM		VOC		0.44	0.44							
592-910760	7/11/2023 11:11:12 AM		VOC		0.441	0.441							
592-910760	7/11/2023 11:11:02 AM		VOC		0.439	0.439							
592-910760	7/11/2023 11:10:52 AM		VOC		0.438	0.438							
592-910760	7/11/2023 11:10:42 AM		VOC		0.442	0.442							
592-910760	7/11/2023 11:10:32 AM		VOC		0.44	0.44							
592-910760	7/11/2023 11:10:22 AM		VOC		0.441	0.441							
592-910760	7/11/2023 11:10:12 AM		VOC		0.443	0.443							
592-910760	7/11/2023 11:10:02 AM		VOC		0.445	0.445							
592-910760	7/11/2023 11:09:52 AM		VOC		0.45	0.45							
592-910760	7/11/2023 11:09:42 AM		VOC		0.454	0.454							
592-910760	7/11/2023 11:09:32 AM		VOC		0.453	0.453							
592-910760	7/11/2023 11:09:22 AM		VOC		0.454	0.454							
592-910760	7/11/2023 11:09:12 AM		VOC		0.455	0.455							
592-910760	7/11/2023 11:09:02 AM		VOC		0.455	0.455							
592-910760	7/11/2023 11:08:52 AM		VOC		0.457	0.457							
592-910760	7/11/2023 11:08:42 AM		VOC		0.456	0.456							
592-910760	7/11/2023 11:08:32 AM		VOC		0.458	0.458							
592-910760	7/11/2023 11:08:22 AM		VOC		0.455	0.455							
592-910760	7/11/2023 11:08:12 AM		VOC		0.46	0.46							
592-910760	7/11/2023 11:08:02 AM		VOC		0.467	0.467							
592-910760	7/11/2023 11:07:52 AM		VOC		0.468	0.468							
592-910760	7/11/2023 11:07:42 AM		VOC		0.47	0.47							
592-910760	7/11/2023 11:07:32 AM		VOC		0.468	0.468							
592-910760	7/11/2023 11:07:22 AM		VOC		0.447	0.447							
592-910760	7/11/2023 11:07:12 AM		VOC		0.484	0.484							
592-910760	7/11/2023 11:07:02 AM		VOC		0.488	0.488							
592-910760	7/11/2023 11:06:52 AM		VOC		0.495	0.495							

592-910760	7/11/2023 11:06:42 AM		VOC		0.499	0.499								
592-910760	7/11/2023 11:06:32 AM		VOC		0.503	0.503								
592-910760	7/11/2023 11:06:22 AM		VOC		0.506	0.506								
592-910760	7/11/2023 11:06:12 AM		VOC		0.511	0.511								
592-910760	7/11/2023 11:06:02 AM		VOC		0.512	0.512								
592-910760	7/11/2023 11:05:52 AM		VOC		0.515	0.515								
592-910760	7/11/2023 11:05:42 AM		VOC		0.519	0.519								
592-910760	7/11/2023 11:05:32 AM		VOC		0.524	0.524								
592-910760	7/11/2023 11:05:22 AM		VOC		0.526	0.526								
592-910760	7/11/2023 11:05:12 AM		VOC		0.532	0.532								
592-910760	7/11/2023 11:05:02 AM		VOC		0.544	0.544								
592-910760	7/11/2023 11:04:52 AM		VOC		0.547	0.547								
592-910760	7/11/2023 11:04:42 AM		VOC		0.549	0.549								
592-910760	7/11/2023 11:04:32 AM		VOC		0.551	0.551								
592-910760	7/11/2023 11:04:22 AM		VOC		0.552	0.552								
592-910760	7/11/2023 11:04:12 AM		VOC		0.556	0.556								
592-910760	7/11/2023 11:04:02 AM		VOC		0.568	0.568								
592-910760	7/11/2023 11:03:52 AM		VOC		0.632	0.632								
592-910760	7/11/2023 11:03:42 AM		VOC		0.83	0.83								
592-910760	7/11/2023 11:03:32 AM		VOC		0.579	0.579								
592-910760	7/11/2023 11:03:22 AM		VOC		0.542	0.542								
592-910760	7/11/2023 11:03:12 AM		VOC		0.543	0.543								
592-910760	7/11/2023 11:03:02 AM		VOC		0.547	0.547								
592-910760	7/11/2023 11:02:52 AM		VOC		0.555	0.555								
592-910760	7/11/2023 11:02:42 AM		VOC		0.558	0.558								
592-910760	7/11/2023 11:02:32 AM		VOC		0.558	0.558								
592-910760	7/11/2023 11:02:22 AM		VOC		0.568	0.568								
592-910760	7/11/2023 11:02:12 AM		VOC		0.573	0.573								
592-910760	7/11/2023 11:02:02 AM		VOC		0.58	0.58								
592-910760	7/11/2023 11:01:52 AM		VOC		0.581	0.581								
592-910760	7/11/2023 11:01:42 AM		VOC		0.585	0.585								
592-910760	7/11/2023 11:01:32 AM		VOC		0.597	0.597								
592-910760	7/11/2023 11:01:22 AM		VOC		0.608	0.608								
592-910760	7/11/2023 11:01:12 AM		VOC		0.615	0.615								
592-910760	7/11/2023 11:01:02 AM		VOC		0.621	0.621								
592-910760	7/11/2023 11:00:52 AM		VOC		0.625	0.625								
592-910760	7/11/2023 11:00:42 AM		VOC		0.633	0.633								
592-910760	7/11/2023 11:00:32 AM		VOC		0.641	0.641								
592-910760	7/11/2023 11:00:22 AM		VOC		0.647	0.647								
592-910760	7/11/2023 11:00:12 AM		VOC		0.655	0.655								
592-910760	7/11/2023 11:00:02 AM		VOC		0.665	0.665								
592-910760	7/11/2023 10:59:52 AM		VOC		0.668	0.668								
592-910760	7/11/2023 10:59:42 AM		VOC		0.682	0.682								
592-910760	7/11/2023 10:59:32 AM		VOC		0.684	0.684								
592-910760	7/11/2023 10:59:22 AM		VOC		0.69	0.69								
592-910760	7/11/2023 10:59:12 AM		VOC		0.705	0.705								
592-910760	7/11/2023 10:59:02 AM		VOC		0.712	0.712								
592-910760	7/11/2023 10:58:52 AM		VOC		0.719	0.719								
592-910760	7/11/2023 10:58:42 AM		VOC		0.724	0.724								
592-910760	7/11/2023 10:58:32 AM		VOC		0.729	0.729								
592-910760	7/11/2023 10:58:22 AM		VOC		0.738	0.738								
592-910760	7/11/2023 10:58:12 AM		VOC		0.747	0.747								
592-910760	7/11/2023 10:58:02 AM		VOC		0.754	0.754								
592-910760	7/11/2023 10:57:52 AM		VOC		0.756	0.756								
592-910760	7/11/2023 10:57:42 AM		VOC		0.761	0.761								
592-910760	7/11/2023 10:57:32 AM		VOC		0.768	0.768								
592-910760	7/11/2023 10:57:22 AM		VOC		0.761	0.761								
592-910760	7/11/2023 10:57:12 AM		VOC		0.772	0.772								
592-910760	7/11/2023 10:57:02 AM		VOC		0.777	0.777								
592-910760	7/11/2023 10:56:52 AM		VOC		0.779	0.779								
592-910760	7/11/2023 10:56:42 AM		VOC		0.78	0.78								
592-910760	7/11/2023 10:56:32 AM		VOC		0.784	0.784								
592-910760	7/11/2023 10:56:22 AM		VOC		0.786	0.786								
592-910760	7/11/2023 10:56:12 AM		VOC		0.791	0.791								
592-910760	7/11/2023 10:56:02 AM		VOC		0.8	0.8								
592-910760	7/11/2023 10:55:52 AM		VOC		0.798	0.798								
592-910760	7/11/2023 10:55:42 AM		VOC		0.799	0.799								
592-910760	7/11/2023 10:55:32 AM		VOC		0.803	0.803								
592-910760	7/11/2023 10:55:22 AM		VOC		0.809	0.809								
592-910760	7/11/2023 10:55:12 AM		VOC		0.822	0.822								
592-910760	7/11/2023 10:55:02 AM		VOC		0.818	0.818								
592-910760	7/11/2023 10:54:52 AM		VOC		0.808	0.808								
592-910760	7/11/2023 10:54:42 AM		VOC		0.806	0.806								
592-910760	7/11/2023 10:54:32 AM		VOC		0.809	0.809								
592-910760	7/11/2023 10:54:22 AM		VOC		0.816	0.816								
592-910760	7/11/2023 10:54:12 AM		VOC		0.823	0.823								
592-910760	7/11/2023 10:54:02 AM		VOC		0.837	0.837								
592-910760	7/11/2023 10:53:52 AM		VOC		0.865	0.865								
592-910760	7/11/2023 10:53:42 AM		VOC		0.983	0.983								
592-910760	7/11/2023 10:53:32 AM		VOC		0.989	0.989								
592-910760	7/11/2023 10:53:22 AM		VOC		0.797	0.797								
592-910760	7/11/2023 10:53:12 AM		VOC		0.807	0.807								
592-910760	7/11/2023 10:53:02 AM		VOC		0.811	0.811								
592-910760	7/11/2023 10:52:52 AM		VOC		0.793	0.793								
592-910760	7/11/2023 10:52:42 AM		VOC		0.803	0.803								
592-910760	7/11/2023 10:52:32 AM		VOC		0.863	0.863								
592-910760	7/11/2023 10:52:22 AM		VOC		0.782	0.782								
592-910760	7/11/2023 10:52:12 AM		VOC		0.783	0.783								
592-910760	7/11/2023 10:52:02 AM		VOC		0.794	0.794								
592-910760	7/11/2023 10:51:52 AM		VOC		0.827	0.827								
592-910760	7/11/2023 10:51:42 AM		VOC		0.814	0.814								
592-910760	7/11/2023 10:51:32 AM		VOC		0.773	0.773								
592-910760	7/11/2023 10:51:22 AM		VOC		0.769	0.769								
592-910760	7/11/2023 10:51:12 AM		VOC		0.776	0.776								
592-910760	7/11/2023 10:51:02 AM		VOC		0.772	0.772								
592-910760	7/11/2023 10:50:52 AM		VOC		0.765	0.765								
592-910760	7/11/2023 10:50:42 AM		VOC		0.72	0.72								
592-910760	7/11/2023 10:50:32 AM		VOC		0.762	0.762								
592-910760	7/11/2023 10:50:22 AM		VOC		0.766	0.766								
592-910760	7/11/2023 10:50:12 AM		VOC		0.763	0.763								
592-910760	7/11/2023 10:50:02 AM		VOC		0.762	0.762								

592-910760	7/11/2023 10:49:52 AM		VOC		0.76	0.76								
592-910760	7/11/2023 10:49:42 AM		VOC		0.765	0.765								
592-910760	7/11/2023 10:49:32 AM		VOC		0.764	0.764								
592-910760	7/11/2023 10:49:22 AM		VOC		0.75	0.75								
592-910760	7/11/2023 10:49:12 AM		VOC		0.746	0.746								
592-910760	7/11/2023 10:49:02 AM		VOC		0.746	0.746								
592-910760	7/11/2023 10:48:52 AM		VOC		0.744	0.744								
592-910760	7/11/2023 10:48:42 AM		VOC		0.742	0.742								
592-910760	7/11/2023 10:48:32 AM		VOC		0.738	0.738								
592-910760	7/11/2023 10:48:22 AM		VOC		0.733	0.733								
592-910760	7/11/2023 10:48:12 AM		VOC		0.735	0.735								
592-910760	7/11/2023 10:48:02 AM		VOC		0.729	0.729								
592-910760	7/11/2023 10:47:52 AM		VOC		0.727	0.727								
592-910760	7/11/2023 10:47:42 AM		VOC		0.726	0.726								
592-910760	7/11/2023 10:47:32 AM		VOC		0.728	0.728								
592-910760	7/11/2023 10:47:22 AM		VOC		0.726	0.726								
592-910760	7/11/2023 10:47:12 AM		VOC		0.726	0.726								
592-910760	7/11/2023 10:47:02 AM		VOC		0.732	0.732								
592-910760	7/11/2023 10:46:52 AM		VOC		0.758	0.758								
592-910760	7/11/2023 10:46:42 AM		VOC		0.736	0.736								
592-910760	7/11/2023 10:46:32 AM		VOC		0.667	0.667								
592-910760	7/11/2023 10:46:22 AM		VOC		0.619	0.619								
592-910760	7/11/2023 10:46:12 AM		VOC		0.712	0.712								
592-910760	7/11/2023 10:46:02 AM		VOC		0.709	0.709								
592-910760	7/11/2023 10:45:52 AM		VOC		0.706	0.706								
592-910760	7/11/2023 10:45:42 AM		VOC		0.703	0.703								
592-910760	7/11/2023 10:45:32 AM		VOC		0.701	0.701								
592-910760	7/11/2023 10:45:22 AM		VOC		0.699	0.699								
592-910760	7/11/2023 10:45:12 AM		VOC		0.7	0.7								
592-910760	7/11/2023 10:45:02 AM		VOC		0.692	0.692								
592-910760	7/11/2023 10:44:52 AM		VOC		0.691	0.691								
592-910760	7/11/2023 10:44:42 AM		VOC		0.692	0.692								
592-910760	7/11/2023 10:44:32 AM		VOC		0.691	0.691								
592-910760	7/11/2023 10:44:22 AM		VOC		0.684	0.684								
592-910760	7/11/2023 10:44:12 AM		VOC		0.684	0.684								
592-910760	7/11/2023 10:44:02 AM		VOC		0.683	0.683								
592-910760	7/11/2023 10:43:52 AM		VOC		0.679	0.679								
592-910760	7/11/2023 10:43:42 AM		VOC		0.674	0.674								
592-910760	7/11/2023 10:43:32 AM		VOC		0.677	0.677								
592-910760	7/11/2023 10:43:22 AM		VOC		0.685	0.685								
592-910760	7/11/2023 10:43:12 AM		VOC		0.675	0.675								
592-910760	7/11/2023 10:43:02 AM		VOC		0.671	0.671								
592-910760	7/11/2023 10:42:52 AM		VOC		0.671	0.671								
592-910760	7/11/2023 10:42:42 AM		VOC		0.675	0.675								
592-910760	7/11/2023 10:42:32 AM		VOC		0.686	0.686								
592-910760	7/11/2023 10:42:22 AM		VOC		0.699	0.699								
592-910760	7/11/2023 10:42:12 AM		VOC		0.715	0.715								
592-910760	7/11/2023 10:42:02 AM		VOC		0.819	0.819								
592-910760	7/11/2023 10:41:52 AM		VOC		0.706	0.706								
592-910760	7/11/2023 10:41:42 AM		VOC		0.754	0.754								
592-910760	7/11/2023 10:41:32 AM		VOC		0.807	0.807								
592-910760	7/11/2023 10:41:22 AM		VOC		0.727	0.727								
592-910760	7/11/2023 10:41:12 AM		VOC		0.695	0.695								
592-910760	7/11/2023 10:41:02 AM		VOC		0.7	0.7								
592-910760	7/11/2023 10:40:52 AM		VOC		0.726	0.726								
592-910760	7/11/2023 10:40:42 AM		VOC		0.668	0.668								
592-910760	7/11/2023 10:40:32 AM		VOC		0.742	0.742								
592-910760	7/11/2023 10:40:22 AM		VOC		0.644	0.644								
592-910760	7/11/2023 10:40:12 AM		VOC		0.639	0.639								
592-910760	7/11/2023 10:40:02 AM		VOC		0.638	0.638								
592-910760	7/11/2023 10:39:52 AM		VOC		0.641	0.641								
592-910760	7/11/2023 10:39:42 AM		VOC		0.646	0.646								
592-910760	7/11/2023 10:39:32 AM		VOC		0.695	0.695								
592-910760	7/11/2023 10:39:22 AM		VOC		0.638	0.638								
592-910760	7/11/2023 10:39:12 AM		VOC		0.623	0.623								
592-910760	7/11/2023 10:39:02 AM		VOC		0.635	0.635								
592-910760	7/11/2023 10:38:52 AM		VOC		0.614	0.614								
592-910760	7/11/2023 10:38:42 AM		VOC		0.694	0.694								
592-910760	7/11/2023 10:38:32 AM		VOC		0.637	0.637								
592-910760	7/11/2023 10:38:22 AM		VOC		0.644	0.644								
592-910760	7/11/2023 10:38:12 AM		VOC		0.666	0.666								
592-910760	7/11/2023 10:38:02 AM		VOC		0.622	0.622								
592-910760	7/11/2023 10:37:52 AM		VOC		0.601	0.601								
592-910760	7/11/2023 10:37:42 AM		VOC		0.616	0.616								
592-910760	7/11/2023 10:37:32 AM		VOC		0.643	0.643								
592-910760	7/11/2023 10:37:22 AM		VOC		0.638	0.638								
592-910760	7/11/2023 10:37:12 AM		VOC		0.641	0.641								
592-910760	7/11/2023 10:37:02 AM		VOC		0.64	0.64								
592-910760	7/11/2023 10:36:52 AM		VOC		0.646	0.646								
592-910760	7/11/2023 10:36:42 AM		VOC		0.67	0.67								
592-910760	7/11/2023 10:36:32 AM		VOC		0.643	0.643								
592-910760	7/11/2023 10:36:22 AM		VOC		0.654	0.654								
592-910760	7/11/2023 10:36:12 AM		VOC		0.811	0.811								
592-910760	7/11/2023 10:36:02 AM		VOC		0.666	0.666								
592-910760	7/11/2023 10:35:52 AM		VOC		0.682	0.682								
592-910760	7/11/2023 10:35:42 AM		VOC		0.663	0.663								
592-910760	7/11/2023 10:35:32 AM		VOC		0.704	0.704								
592-910760	7/11/2023 10:35:22 AM		VOC		0.606	0.606								
592-910760	7/11/2023 10:35:12 AM		VOC		0.623	0.623								
592-910760	7/11/2023 10:35:02 AM		VOC		0.658	0.658								
592-910760	7/11/2023 10:34:52 AM		VOC		0.658	0.658								
592-910760	7/11/2023 10:34:42 AM		VOC		0.616	0.616								
592-910760	7/11/2023 10:34:32 AM		VOC		0.566	0.566								
592-910760	7/11/2023 10:34:22 AM		VOC		0.572	0.572								
592-910760	7/11/2023 10:34:12 AM		VOC		0.576	0.576								
592-910760	7/11/2023 10:34:02 AM		VOC		0.584	0.584								
592-910760	7/11/2023 10:33:52 AM		VOC		0.561	0.561								
592-910760	7/11/2023 10:33:42 AM		VOC		0.35	0.35								
592-910760	7/11/2023 10:33:32 AM		VOC		0.503	0.503								
592-910760	7/11/2023 10:33:22 AM		VOC		0.41	0.41								
592-910760	7/11/2023 10:33:12 AM		VOC		0.58	0.58								

592-910760	7/11/2023 10:33:02 AM		VOC		0.554	0.554								
592-910760	7/11/2023 10:32:52 AM		VOC		0.559	0.559								
592-910760	7/11/2023 10:32:42 AM		VOC		0.529	0.529								
592-910760	7/11/2023 10:32:32 AM		VOC		0.555	0.555								
592-910760	7/11/2023 10:32:22 AM		VOC		0.553	0.553								
592-910760	7/11/2023 10:32:12 AM		VOC		0.494	0.494								
592-910760	7/11/2023 10:32:02 AM		VOC		0.519	0.519								
592-910760	7/11/2023 10:31:52 AM		VOC		0.553	0.553								
592-910760	7/11/2023 10:31:42 AM		VOC		0.558	0.558								
592-910760	7/11/2023 10:31:32 AM		VOC		0.566	0.566								
592-910760	7/11/2023 10:31:22 AM		VOC		0.535	0.535								
592-910760	7/11/2023 10:31:12 AM		VOC		0.567	0.567								
592-910760	7/11/2023 10:31:02 AM		VOC		0.538	0.538								
592-910760	7/11/2023 10:30:52 AM		VOC		0.537	0.537								
592-910760	7/11/2023 10:30:42 AM		VOC		0.524	0.524								
592-910760	7/11/2023 10:30:32 AM		VOC		0.526	0.526								
592-910760	7/11/2023 10:30:22 AM		VOC		0.556	0.556								
592-910760	7/11/2023 10:30:12 AM		VOC		0.528	0.528								
592-910760	7/11/2023 10:30:02 AM		VOC		0.529	0.529								
592-910760	7/11/2023 10:29:52 AM		VOC		0.555	0.555								
592-910760	7/11/2023 10:29:42 AM		VOC		0.514	0.514								
592-910760	7/11/2023 10:29:32 AM		VOC		0.513	0.513								
592-910760	7/11/2023 10:29:22 AM		VOC		0.513	0.513								
592-910760	7/11/2023 10:29:12 AM		VOC		0.52	0.52								
592-910760	7/11/2023 10:29:02 AM		VOC		0.615	0.615								
592-910760	7/11/2023 10:28:52 AM		VOC		0.495	0.495								
592-910760	7/11/2023 10:28:42 AM		VOC		0.495	0.495								
592-910760	7/11/2023 10:28:32 AM		VOC		0.52	0.52								
592-910760	7/11/2023 10:28:22 AM		VOC		0.608	0.608								
592-910760	7/11/2023 10:28:12 AM		VOC		0.616	0.616								
592-910760	7/11/2023 10:28:02 AM		VOC		0.529	0.529								
592-910760	7/11/2023 10:27:52 AM		VOC		0.431	0.431								
592-910760	7/11/2023 10:27:42 AM		VOC		0.426	0.426								
592-910760	7/11/2023 10:27:32 AM		VOC		0.419	0.419								
592-910760	7/11/2023 10:27:22 AM		VOC		0.432	0.432								
592-910760	7/11/2023 10:27:12 AM		VOC		0.42	0.42								
592-910760	7/11/2023 10:27:02 AM		VOC		0.421	0.421								
592-910760	7/11/2023 10:26:52 AM		VOC		0.416	0.416								
592-910760	7/11/2023 10:26:42 AM		VOC		0.417	0.417								
592-910760	7/11/2023 10:26:32 AM		VOC		0.395	0.395								
592-910760	7/11/2023 10:26:22 AM		VOC		0.399	0.399								
592-910760	7/11/2023 10:26:12 AM		VOC		0.403	0.403								
592-910760	7/11/2023 10:26:02 AM		VOC		0.4	0.4								
592-910760	7/11/2023 10:25:52 AM		VOC		0.405	0.405								
592-910760	7/11/2023 10:25:42 AM		VOC		0.413	0.413								
592-910760	7/11/2023 10:25:32 AM		VOC		0.393	0.393								
592-910760	7/11/2023 10:25:22 AM		VOC		0.375	0.375								
592-910760	7/11/2023 10:25:12 AM		VOC		0.381	0.381								
592-910760	7/11/2023 10:25:02 AM		VOC		0.353	0.353								
592-910760	7/11/2023 10:24:52 AM		VOC		0.357	0.357								
592-910760	7/11/2023 10:24:42 AM		VOC		0.378	0.378								
592-910760	7/11/2023 10:24:32 AM		VOC		0.38	0.38								
592-910760	7/11/2023 10:24:22 AM		VOC		0.381	0.381								
592-910760	7/11/2023 10:24:12 AM		VOC		0.385	0.385								
592-910760	7/11/2023 10:24:02 AM		VOC		0.383	0.383								
592-910760	7/11/2023 10:23:52 AM		VOC		0.388	0.388								
592-910760	7/11/2023 10:23:42 AM		VOC		0.393	0.393								
592-910760	7/11/2023 10:23:32 AM		VOC		0.398	0.398								
592-910760	7/11/2023 10:23:22 AM		VOC		0.392	0.392								
592-910760	7/11/2023 10:23:12 AM		VOC		0.39	0.39								
592-910760	7/11/2023 10:23:02 AM		VOC		0.385	0.385								
592-910760	7/11/2023 10:22:52 AM		VOC		0.381	0.381								
592-910760	7/11/2023 10:22:42 AM		VOC		0.376	0.376								
592-910760	7/11/2023 10:22:32 AM		VOC		0.376	0.376								
592-910760	7/11/2023 10:22:22 AM		VOC		0.373	0.373								
592-910760	7/11/2023 10:22:12 AM		VOC		0.372	0.372								
592-910760	7/11/2023 10:22:02 AM		VOC		0.374	0.374								
592-910760	7/11/2023 10:21:52 AM		VOC		0.373	0.373								
592-910760	7/11/2023 10:21:42 AM		VOC		0.382	0.382								
592-910760	7/11/2023 10:21:32 AM		VOC		0.385	0.385								
592-910760	7/11/2023 10:21:22 AM		VOC		0.389	0.389								
592-910760	7/11/2023 10:21:12 AM		VOC		0.391	0.391								
592-910760	7/11/2023 10:21:02 AM		VOC		0.388	0.388								
592-910760	7/11/2023 10:20:52 AM		VOC		0.392	0.392								
592-910760	7/11/2023 10:20:42 AM		VOC		0.392	0.392								
592-910760	7/11/2023 10:20:32 AM		VOC		0.397	0.397								
592-910760	7/11/2023 10:20:22 AM		VOC		0.39	0.39								
592-910760	7/11/2023 10:20:12 AM		VOC		0.391	0.391								
592-910760	7/11/2023 10:20:02 AM		VOC		0.392	0.392								
592-910760	7/11/2023 10:19:52 AM		VOC		0.394	0.394								
592-910760	7/11/2023 10:19:42 AM		VOC		0.398	0.398								
592-910760	7/11/2023 10:19:32 AM		VOC		0.394	0.394								
592-910760	7/11/2023 10:19:22 AM		VOC		0.401	0.401								
592-910760	7/11/2023 10:19:12 AM		VOC		0.404	0.404								
592-910760	7/11/2023 10:19:02 AM		VOC		0.41	0.41								
592-910760	7/11/2023 10:18:52 AM		VOC		0.397	0.397								
592-910760	7/11/2023 10:18:42 AM		VOC		0.396	0.396								
592-910760	7/11/2023 10:18:32 AM		VOC		0.393	0.393								
592-910760	7/11/2023 10:18:22 AM		VOC		0.383	0.383								
592-910760	7/11/2023 10:18:12 AM		VOC		0.381	0.381								
592-910760	7/11/2023 10:18:02 AM		VOC		0.381	0.381								
592-910760	7/11/2023 10:17:52 AM		VOC		0.381	0.381								
592-910760	7/11/2023 10:17:42 AM		VOC		0.37	0.37								
592-910760	7/11/2023 10:17:32 AM		VOC		0.366	0.366								
592-910760	7/11/2023 10:17:22 AM		VOC		0.363	0.363								
592-910760	7/11/2023 10:17:12 AM		VOC		0.364	0.364								
592-910760	7/11/2023 10:17:02 AM		VOC		0.446	0.446								
592-910760	7/11/2023 10:16:52 AM		VOC		0.461	0.461								
592-910760	7/11/2023 10:16:42 AM		VOC		0.33	0.33								
592-910760	7/11/2023 10:16:32 AM		VOC		0.326	0.326								
592-910760	7/11/2023 10:16:22 AM		VOC		0.329	0.329								

592-910760	7/11/2023 10:16:12 AM		VOC		0.323	0.323								
592-910760	7/11/2023 10:16:02 AM		VOC		0.312	0.312								
592-910760	7/11/2023 10:15:52 AM		VOC		0.311	0.311								
592-910760	7/11/2023 10:15:42 AM		VOC		0.32	0.32								
592-910760	7/11/2023 10:15:32 AM		VOC		0.471	0.471								
592-910760	7/11/2023 10:15:22 AM		VOC		0.329	0.329								
592-910760	7/11/2023 10:15:12 AM		VOC		0.282	0.282								
592-910760	7/11/2023 10:15:02 AM		VOC		0.278	0.278								
592-910760	7/11/2023 10:14:52 AM		VOC		0.274	0.274								
592-910760	7/11/2023 10:14:42 AM		VOC		0.272	0.272								
592-910760	7/11/2023 10:14:32 AM		VOC		0.271	0.271								
592-910760	7/11/2023 10:14:22 AM		VOC		0.268	0.268								
592-910760	7/11/2023 10:14:12 AM		VOC		0.265	0.265								
592-910760	7/11/2023 10:14:02 AM		VOC		0.262	0.262								
592-910760	7/11/2023 10:13:52 AM		VOC		0.265	0.265								
592-910760	7/11/2023 10:13:42 AM		VOC		0.266	0.266								
592-910760	7/11/2023 10:13:32 AM		VOC		0.264	0.264								
592-910760	7/11/2023 10:13:22 AM		VOC		0.262	0.262								
592-910760	7/11/2023 10:13:12 AM		VOC		0.26	0.26								
592-910760	7/11/2023 10:13:02 AM		VOC		0.259	0.259								
592-910760	7/11/2023 10:12:52 AM		VOC		0.26	0.26								
592-910760	7/11/2023 10:12:42 AM		VOC		0.259	0.259								
592-910760	7/11/2023 10:12:32 AM		VOC		0.262	0.262								
592-910760	7/11/2023 10:12:22 AM		VOC		0.26	0.26								
592-910760	7/11/2023 10:12:12 AM		VOC		0.267	0.267								
592-910760	7/11/2023 10:12:02 AM		VOC		0.268	0.268								
592-910760	7/11/2023 10:11:52 AM		VOC		0.274	0.274								
592-910760	7/11/2023 10:11:42 AM		VOC		0.274	0.274								
592-910760	7/11/2023 10:11:32 AM		VOC		0.277	0.277								
592-910760	7/11/2023 10:11:22 AM		VOC		0.28	0.28								
592-910760	7/11/2023 10:11:12 AM		VOC		0.285	0.285								
592-910760	7/11/2023 10:11:02 AM		VOC		0.287	0.287								
592-910760	7/11/2023 10:10:52 AM		VOC		0.285	0.285								
592-910760	7/11/2023 10:10:42 AM		VOC		0.286	0.286								
592-910760	7/11/2023 10:10:32 AM		VOC		0.291	0.291								
592-910760	7/11/2023 10:10:22 AM		VOC		0.265	0.265								
592-910760	7/11/2023 10:10:12 AM		VOC		0.296	0.296								
592-910760	7/11/2023 10:10:02 AM		VOC		0.291	0.291								
592-910760	7/11/2023 10:09:52 AM		VOC		0.291	0.291								
592-910760	7/11/2023 10:09:42 AM		VOC		0.29	0.29								
592-910760	7/11/2023 10:09:32 AM		VOC		0.292	0.292								
592-910760	7/11/2023 10:09:22 AM		VOC		0.292	0.292								
592-910760	7/11/2023 10:09:12 AM		VOC		0.298	0.298								
592-910760	7/11/2023 10:09:02 AM		VOC		0.327	0.327								
592-910760	7/11/2023 10:08:52 AM		VOC		0.311	0.311								
592-910760	7/11/2023 10:08:42 AM		VOC		0.29	0.29								
592-910760	7/11/2023 10:08:32 AM		VOC		0.29	0.29								
592-910760	7/11/2023 10:08:22 AM		VOC		0.293	0.293								
592-910760	7/11/2023 10:08:12 AM		VOC		0.294	0.294								
592-910760	7/11/2023 10:08:02 AM		VOC		0.294	0.294								
592-910760	7/11/2023 10:07:52 AM		VOC		0.29	0.29								
592-910760	7/11/2023 10:07:42 AM		VOC		0.274	0.274								
592-910760	7/11/2023 10:07:32 AM		VOC		0.297	0.297								
592-910760	7/11/2023 10:07:22 AM		VOC		0.297	0.297								
592-910760	7/11/2023 10:07:12 AM		VOC		0.248	0.248								
592-910760	7/11/2023 10:07:02 AM		VOC		0.324	0.324								
592-910760	7/11/2023 10:06:52 AM		VOC		0.33	0.33								
592-910760	7/11/2023 10:06:42 AM		VOC		0.325	0.325								
592-910760	7/11/2023 10:06:32 AM		VOC		0.341	0.341								
592-910760	7/11/2023 10:06:22 AM		VOC		0.345	0.345								
592-910760	7/11/2023 10:06:12 AM		VOC		0.349	0.349								
592-910760	7/11/2023 10:06:02 AM		VOC		0.383	0.383								
592-910760	7/11/2023 10:05:52 AM		VOC		0.338	0.338								
592-910760	7/11/2023 10:05:42 AM		VOC		0.333	0.333								
592-910760	7/11/2023 10:05:32 AM		VOC		0.335	0.335								
592-910760	7/11/2023 10:05:22 AM		VOC		0.363	0.363								
592-910760	7/11/2023 10:05:12 AM		VOC		0.372	0.372								
592-910760	7/11/2023 10:05:02 AM		VOC		0.325	0.325								
592-910760	7/11/2023 10:04:52 AM		VOC		0.326	0.326								
592-910760	7/11/2023 10:04:42 AM		VOC		0.323	0.323								
592-910760	7/11/2023 10:04:32 AM		VOC		0.326	0.326								
592-910760	7/11/2023 10:04:22 AM		VOC		0.325	0.325								
592-910760	7/11/2023 10:04:12 AM		VOC		0.329	0.329								
592-910760	7/11/2023 10:04:02 AM		VOC		0.326	0.326								
592-910760	7/11/2023 10:03:52 AM		VOC		0.331	0.331								
592-910760	7/11/2023 10:03:42 AM		VOC		0.33	0.33								
592-910760	7/11/2023 10:03:32 AM		VOC		0.341	0.341								
592-910760	7/11/2023 10:03:22 AM		VOC		0.44	0.44								
592-910760	7/11/2023 10:03:12 AM		VOC		0.504	0.504								
592-910760	7/11/2023 10:03:02 AM		VOC		0.32	0.32								
592-910760	7/11/2023 10:02:52 AM		VOC		0.318	0.318								
592-910760	7/11/2023 10:02:42 AM		VOC		0.321	0.321								
592-910760	7/11/2023 10:02:32 AM		VOC		0.314	0.314								
592-910760	7/11/2023 10:02:22 AM		VOC		0.31	0.31								
592-910760	7/11/2023 10:02:12 AM		VOC		0.33	0.33								
592-910760	7/11/2023 10:02:02 AM		VOC		0.33	0.33								
592-910760	7/11/2023 10:01:52 AM		VOC		0.321	0.321								
592-910760	7/11/2023 10:01:42 AM		VOC		0.331	0.331								
592-910760	7/11/2023 10:01:32 AM		VOC		0.326	0.326								
592-910760	7/11/2023 10:01:22 AM		VOC		0.325	0.325								
592-910760	7/11/2023 10:01:12 AM		VOC		0.334	0.334								
592-910760	7/11/2023 10:01:02 AM		VOC		0.319	0.319								
592-910760	7/11/2023 10:00:52 AM		VOC		0.315	0.315								
592-910760	7/11/2023 10:00:42 AM		VOC		0.313	0.313								
592-910760	7/11/2023 10:00:32 AM		VOC		0.32	0.32								
592-910760	7/11/2023 10:00:22 AM		VOC		0.308	0.308								
592-910760	7/11/2023 10:00:12 AM		VOC		0.304	0.304								
592-910760	7/11/2023 10:00:02 AM		VOC		0.302	0.302								
592-910760	7/11/2023 9:59:52 AM		VOC		0.302	0.302								
592-910760	7/11/2023 9:59:42 AM		VOC		0.301	0.301								
592-910760	7/11/2023 9:59:32 AM		VOC		0.304	0.304								

592-910760	7/11/2023 9:59:22 AM		VOC		0.302	0.302								
592-910760	7/11/2023 9:59:12 AM		VOC		0.31	0.31								
592-910760	7/11/2023 9:59:02 AM		VOC		0.312	0.312								
592-910760	7/11/2023 9:58:52 AM		VOC		0.313	0.313								
592-910760	7/11/2023 9:58:42 AM		VOC		0.308	0.308								
592-910760	7/11/2023 9:58:32 AM		VOC		0.308	0.308								
592-910760	7/11/2023 9:58:22 AM		VOC		0.314	0.314								
592-910760	7/11/2023 9:58:12 AM		VOC		0.322	0.322								
592-910760	7/11/2023 9:58:02 AM		VOC		0.323	0.323								
592-910760	7/11/2023 9:57:52 AM		VOC		0.328	0.328								
592-910760	7/11/2023 9:57:42 AM		VOC		0.336	0.336								
592-910760	7/11/2023 9:57:32 AM		VOC		0.336	0.336								
592-910760	7/11/2023 9:57:22 AM		VOC		0.341	0.341								
592-910760	7/11/2023 9:57:12 AM		VOC		0.347	0.347								
592-910760	7/11/2023 9:57:02 AM		VOC		0.354	0.354								
592-910760	7/11/2023 9:56:52 AM		VOC		0.357	0.357								
592-910760	7/11/2023 9:56:42 AM		VOC		0.358	0.358								
592-910760	7/11/2023 9:56:32 AM		VOC		0.322	0.322								
592-910760	7/11/2023 9:56:22 AM		VOC		0.367	0.367								
592-910760	7/11/2023 9:56:12 AM		VOC		0.366	0.366								
592-910760	7/11/2023 9:56:02 AM		VOC		0.367	0.367								
592-910760	7/11/2023 9:55:52 AM		VOC		0.369	0.369								
592-910760	7/11/2023 9:55:42 AM		VOC		0.359	0.359								
592-910760	7/11/2023 9:55:32 AM		VOC		0.372	0.372								
592-910760	7/11/2023 9:55:22 AM		VOC		0.378	0.378								
592-910760	7/11/2023 9:55:12 AM		VOC		0.382	0.382								
592-910760	7/11/2023 9:55:02 AM		VOC		0.33	0.33								
592-910760	7/11/2023 9:54:52 AM		VOC		0.365	0.365								
592-910760	7/11/2023 9:54:42 AM		VOC		0.398	0.398								
592-910760	7/11/2023 9:54:32 AM		VOC		0.405	0.405								
592-910760	7/11/2023 9:54:22 AM		VOC		0.413	0.413								
592-910760	7/11/2023 9:54:12 AM		VOC		0.419	0.419								
592-910760	7/11/2023 9:54:02 AM		VOC		0.42	0.42								
592-910760	7/11/2023 9:53:52 AM		VOC		0.428	0.428								
592-910760	7/11/2023 9:53:42 AM		VOC		0.432	0.432								
592-910760	7/11/2023 9:53:32 AM		VOC		0.426	0.426								
592-910760	7/11/2023 9:53:22 AM		VOC		0.359	0.359								
592-910760	7/11/2023 9:53:12 AM		VOC		0.451	0.451								
592-910760	7/11/2023 9:53:02 AM		VOC		0.456	0.456								
592-910760	7/11/2023 9:52:52 AM		VOC		0.473	0.473								
592-910760	7/11/2023 9:52:42 AM		VOC		0.473	0.473								
592-910760	7/11/2023 9:52:32 AM		VOC		0.445	0.445								
592-910760	7/11/2023 9:52:22 AM		VOC		0.485	0.485								
592-910760	7/11/2023 9:52:12 AM		VOC		0.492	0.492								
592-910760	7/11/2023 9:52:02 AM		VOC		0.495	0.495								
592-910760	7/11/2023 9:51:52 AM		VOC		0.508	0.508								
592-910760	7/11/2023 9:51:42 AM		VOC		0.513	0.513								
592-910760	7/11/2023 9:51:32 AM		VOC		0.52	0.52								
592-910760	7/11/2023 9:51:22 AM		VOC		0.523	0.523								
592-910760	7/11/2023 9:51:12 AM		VOC		0.52	0.52								
592-910760	7/11/2023 9:51:02 AM		VOC		0.502	0.502								
592-910760	7/11/2023 9:50:52 AM		VOC		0.514	0.514								
592-910760	7/11/2023 9:50:42 AM		VOC		0.538	0.538								
592-910760	7/11/2023 9:50:32 AM		VOC		0.533	0.533								
592-910760	7/11/2023 9:50:22 AM		VOC		0.548	0.548								
592-910760	7/11/2023 9:50:12 AM		VOC		0.54	0.54								
592-910760	7/11/2023 9:50:02 AM		VOC		0.507	0.507								
592-910760	7/11/2023 9:49:52 AM		VOC		0.558	0.558								
592-910760	7/11/2023 9:49:42 AM		VOC		0.559	0.559								
592-910760	7/11/2023 9:49:32 AM		VOC		0.554	0.554								
592-910760	7/11/2023 9:49:22 AM		VOC		0.589	0.589								
592-910760	7/11/2023 9:49:12 AM		VOC		0.596	0.596								
592-910760	7/11/2023 9:49:02 AM		VOC		0.602	0.602								
592-910760	7/11/2023 9:48:52 AM		VOC		0.607	0.607								
592-910760	7/11/2023 9:48:42 AM		VOC		0.614	0.614								
592-910760	7/11/2023 9:48:32 AM		VOC		0.615	0.615								
592-910760	7/11/2023 9:48:22 AM		VOC		0.612	0.612								
592-910760	7/11/2023 9:48:12 AM		VOC		0.617	0.617								
592-910760	7/11/2023 9:48:02 AM		VOC		0.596	0.596								
592-910760	7/11/2023 9:47:52 AM		VOC		0.636	0.636								
592-910760	7/11/2023 9:47:42 AM		VOC		0.637	0.637								
592-910760	7/11/2023 9:47:32 AM		VOC		0.643	0.643								
592-910760	7/11/2023 9:47:22 AM		VOC		0.642	0.642								
592-910760	7/11/2023 9:47:12 AM		VOC		0.689	0.689								
592-910760	7/11/2023 9:47:02 AM		VOC		0.664	0.664								
592-910760	7/11/2023 9:46:52 AM		VOC		0.669	0.669								
592-910760	7/11/2023 9:46:42 AM		VOC		0.677	0.677								
592-910760	7/11/2023 9:46:32 AM		VOC		0.682	0.682								
592-910760	7/11/2023 9:46:22 AM		VOC		0.681	0.681								
592-910760	7/11/2023 9:46:12 AM		VOC		0.677	0.677								
592-910760	7/11/2023 9:46:02 AM		VOC		0.654	0.654								
592-910760	7/11/2023 9:45:52 AM		VOC		0.678	0.678								
592-910760	7/11/2023 9:45:42 AM		VOC		0.682	0.682								
592-910760	7/11/2023 9:45:32 AM		VOC		0.695	0.695								
592-910760	7/11/2023 9:45:22 AM		VOC		0.686	0.686								
592-910760	7/11/2023 9:45:12 AM		VOC		0.688	0.688								
592-910760	7/11/2023 9:45:02 AM		VOC		0.691	0.691								
592-910760	7/11/2023 9:44:52 AM		VOC		0.702	0.702								
592-910760	7/11/2023 9:44:42 AM		VOC		0.715	0.715								
592-910760	7/11/2023 9:44:32 AM		VOC		0.717	0.717								
592-910760	7/11/2023 9:44:22 AM		VOC		0.747	0.747								
592-910760	7/11/2023 9:44:12 AM		VOC		0.714	0.714								
592-910760	7/11/2023 9:44:02 AM		VOC		0.71	0.71								
592-910760	7/11/2023 9:43:52 AM		VOC		0.721	0.721								
592-910760	7/11/2023 9:43:42 AM		VOC		0.731	0.731								
592-910760	7/11/2023 9:43:32 AM		VOC		0.739	0.739								
592-910760	7/11/2023 9:43:22 AM		VOC		0.753	0.753								
592-910760	7/11/2023 9:43:12 AM		VOC		0.767	0.767								
592-910760	7/11/2023 9:43:02 AM		VOC		0.77	0.77								
592-910760	7/11/2023 9:42:52 AM		VOC		0.773	0.773								
592-910760	7/11/2023 9:42:42 AM		VOC		0.78	0.78								

592-910760	7/11/2023 9:42:32 AM		VOC		0.787	0.787								
592-910760	7/11/2023 9:42:22 AM		VOC		0.799	0.799								
592-910760	7/11/2023 9:42:12 AM		VOC		0.816	0.816								
592-910760	7/11/2023 9:42:02 AM		VOC		1.053	1.053								
592-910760	7/11/2023 9:41:52 AM		VOC		1.178	1.178								
592-910760	7/11/2023 9:41:42 AM		VOC		0.764	0.764								
592-910760	7/11/2023 9:41:32 AM		VOC		0.763	0.763								
592-910760	7/11/2023 9:41:22 AM		VOC		0.777	0.777								
592-910760	7/11/2023 9:41:12 AM		VOC		0.782	0.782								
592-910760	7/11/2023 9:41:02 AM		VOC		0.804	0.804								
592-910760	7/11/2023 9:40:52 AM		VOC		0.809	0.809								
592-910760	7/11/2023 9:40:42 AM		VOC		0.811	0.811								
592-910760	7/11/2023 9:40:32 AM		VOC		0.826	0.826								
592-910760	7/11/2023 9:40:22 AM		VOC		0.813	0.813								
592-910760	7/11/2023 9:40:12 AM		VOC		0.825	0.825								
592-910760	7/11/2023 9:40:02 AM		VOC		0.795	0.795								
592-910760	7/11/2023 9:39:52 AM		VOC		0.814	0.814								
592-910760	7/11/2023 9:39:42 AM		VOC		0.864	0.864								
592-910760	7/11/2023 9:39:32 AM		VOC		1.041	1.041								
592-910760	7/11/2023 9:39:22 AM		VOC		0.83	0.83								
592-910760	7/11/2023 9:39:12 AM		VOC		0.854	0.854								
592-910760	7/11/2023 9:39:02 AM		VOC		0.825	0.825								
592-910760	7/11/2023 9:38:52 AM		VOC		0.829	0.829								
592-910760	7/11/2023 9:38:42 AM		VOC		0.826	0.826								
592-910760	7/11/2023 9:38:32 AM		VOC		0.796	0.796								
592-910760	7/11/2023 9:38:22 AM		VOC		0.763	0.763								
592-910760	7/11/2023 9:38:12 AM		VOC		0.804	0.804								
592-910760	7/11/2023 9:38:02 AM		VOC		0.771	0.771								
592-910760	7/11/2023 9:37:52 AM		VOC		0.768	0.768								
592-910760	7/11/2023 9:37:42 AM		VOC		0.815	0.815								
592-910760	7/11/2023 9:37:32 AM		VOC		0.911	0.911								
592-910760	7/11/2023 9:37:22 AM		VOC		0.915	0.915								
592-910760	7/11/2023 9:37:12 AM		VOC		0.736	0.736								
592-910760	7/11/2023 9:37:02 AM		VOC		0.721	0.721								
592-910760	7/11/2023 9:36:52 AM		VOC		0.718	0.718								
592-910760	7/11/2023 9:36:42 AM		VOC		0.711	0.711								
592-910760	7/11/2023 9:36:32 AM		VOC		0.705	0.705								
592-910760	7/11/2023 9:36:22 AM		VOC		0.69	0.69								
592-910760	7/11/2023 9:36:12 AM		VOC		0.682	0.682								
592-910760	7/11/2023 9:36:02 AM		VOC		0.677	0.677								
592-910760	7/11/2023 9:35:52 AM		VOC		0.68	0.68								
592-910760	7/11/2023 9:35:42 AM		VOC		0.671	0.671								
592-910760	7/11/2023 9:35:32 AM		VOC		0.665	0.665								
592-910760	7/11/2023 9:35:22 AM		VOC		0.659	0.659								
592-910760	7/11/2023 9:35:12 AM		VOC		0.657	0.657								
592-910760	7/11/2023 9:35:02 AM		VOC		0.654	0.654								
592-910760	7/11/2023 9:34:52 AM		VOC		0.662	0.662								
592-910760	7/11/2023 9:34:42 AM		VOC		0.667	0.667								
592-910760	7/11/2023 9:34:32 AM		VOC		0.647	0.647								
592-910760	7/11/2023 9:34:22 AM		VOC		0.646	0.646								
592-910760	7/11/2023 9:34:12 AM		VOC		0.638	0.638								
592-910760	7/11/2023 9:34:02 AM		VOC		0.64	0.64								
592-910760	7/11/2023 9:33:52 AM		VOC		0.653	0.653								
592-910760	7/11/2023 9:33:42 AM		VOC		0.7	0.7								
592-910760	7/11/2023 9:33:32 AM		VOC		0.636	0.636								
592-910760	7/11/2023 9:33:22 AM		VOC		0.636	0.636								
592-910760	7/11/2023 9:33:12 AM		VOC		0.663	0.663								
592-910760	7/11/2023 9:33:02 AM		VOC		0.645	0.645								
592-910760	7/11/2023 9:32:52 AM		VOC		0.717	0.717								
592-910760	7/11/2023 9:32:42 AM		VOC		0.711	0.711								
592-910760	7/11/2023 9:32:32 AM		VOC		1.0	1.0								
592-910760	7/11/2023 9:32:22 AM		VOC		0.707	0.707								
592-910760	7/11/2023 9:32:12 AM		VOC		0.577	0.577								
592-910760	7/11/2023 9:32:02 AM		VOC		0.582	0.582								
592-910760	7/11/2023 9:31:52 AM		VOC		0.585	0.585								
592-910760	7/11/2023 9:31:42 AM		VOC		0.61	0.61								
592-910760	7/11/2023 9:31:32 AM		VOC		0.65	0.65								
592-910760	7/11/2023 9:31:22 AM		VOC		0.575	0.575								
592-910760	7/11/2023 9:31:12 AM		VOC		0.67	0.67								
592-910760	7/11/2023 9:31:02 AM		VOC		0.546	0.546								
592-910760	7/11/2023 9:30:52 AM		VOC		0.549	0.549								
592-910760	7/11/2023 9:30:42 AM		VOC		0.552	0.552								
592-910760	7/11/2023 9:30:32 AM		VOC		0.589	0.589								
592-910760	7/11/2023 9:30:22 AM		VOC		0.545	0.545								
592-910760	7/11/2023 9:30:12 AM		VOC		0.526	0.526								
592-910760	7/11/2023 9:30:02 AM		VOC		0.522	0.522								
592-910760	7/11/2023 9:29:52 AM		VOC		0.521	0.521								
592-910760	7/11/2023 9:29:42 AM		VOC		0.555	0.555								
592-910760	7/11/2023 9:29:32 AM		VOC		0.512	0.512								
592-910760	7/11/2023 9:29:22 AM		VOC		0.504	0.504								
592-910760	7/11/2023 9:29:12 AM		VOC		0.521	0.521								
592-910760	7/11/2023 9:29:02 AM		VOC		0.536	0.536								
592-910760	7/11/2023 9:28:52 AM		VOC		0.495	0.495								
592-910760	7/11/2023 9:28:42 AM		VOC		0.487	0.487								
592-910760	7/11/2023 9:28:32 AM		VOC		0.481	0.481								
592-910760	7/11/2023 9:28:22 AM		VOC		0.479	0.479								
592-910760	7/11/2023 9:28:12 AM		VOC		0.479	0.479								
592-910760	7/11/2023 9:28:02 AM		VOC		0.479	0.479								
592-910760	7/11/2023 9:27:52 AM		VOC		0.52	0.52								
592-910760	7/11/2023 9:27:42 AM		VOC		0.469	0.469								
592-910760	7/11/2023 9:27:32 AM		VOC		0.469	0.469								
592-910760	7/11/2023 9:27:22 AM		VOC		0.467	0.467								
592-910760	7/11/2023 9:27:12 AM		VOC		0.466	0.466								
592-910760	7/11/2023 9:27:02 AM		VOC		0.486	0.486								
592-910760	7/11/2023 9:26:52 AM		VOC		0.463	0.463								
592-910760	7/11/2023 9:26:42 AM		VOC		0.51	0.51								
592-910760	7/11/2023 9:26:32 AM		VOC		0.574	0.574								
592-910760	7/11/2023 9:26:22 AM		VOC		0.546	0.546								
592-910760	7/11/2023 9:26:12 AM		VOC		0.451	0.451								
592-910760	7/11/2023 9:26:02 AM		VOC		0.436	0.436								
592-910760	7/11/2023 9:25:52 AM		VOC		0.437	0.437								

592-910760	7/11/2023 9:25:42 AM		VOC		0.437	0.437								
592-910760	7/11/2023 9:25:32 AM		VOC		0.436	0.436								
592-910760	7/11/2023 9:25:22 AM		VOC		0.438	0.438								
592-910760	7/11/2023 9:25:12 AM		VOC		0.39	0.39								
592-910760	7/11/2023 9:25:02 AM		VOC		0.443	0.443								
592-910760	7/11/2023 9:24:52 AM		VOC		0.449	0.449								
592-910760	7/11/2023 9:24:42 AM		VOC		0.457	0.457								
592-910760	7/11/2023 9:24:32 AM		VOC		0.447	0.447								
592-910760	7/11/2023 9:24:22 AM		VOC		0.463	0.463								
592-910760	7/11/2023 9:24:12 AM		VOC		0.476	0.476								
592-910760	7/11/2023 9:24:02 AM		VOC		0.511	0.511								
592-910760	7/11/2023 9:23:52 AM		VOC		0.452	0.452								
592-910760	7/11/2023 9:23:42 AM		VOC		0.46	0.46								
592-910760	7/11/2023 9:23:32 AM		VOC		0.486	0.486								
592-910760	7/11/2023 9:23:22 AM		VOC		0.464	0.464								
592-910760	7/11/2023 9:23:12 AM		VOC		0.455	0.455								
592-910760	7/11/2023 9:23:02 AM		VOC		0.459	0.459								
592-910760	7/11/2023 9:22:52 AM		VOC		0.465	0.465								
592-910760	7/11/2023 9:22:42 AM		VOC		0.469	0.469								
592-910760	7/11/2023 9:22:32 AM		VOC		0.472	0.472								
592-910760	7/11/2023 9:22:22 AM		VOC		0.475	0.475								
592-910760	7/11/2023 9:22:12 AM		VOC		0.47	0.47								
592-910760	7/11/2023 9:22:02 AM		VOC		0.481	0.481								
592-910760	7/11/2023 9:21:52 AM		VOC		0.481	0.481								
592-910760	7/11/2023 9:21:42 AM		VOC		0.481	0.481								
592-910760	7/11/2023 9:21:32 AM		VOC		0.483	0.483								
592-910760	7/11/2023 9:21:22 AM		VOC		0.486	0.486								
592-910760	7/11/2023 9:21:12 AM		VOC		0.491	0.491								
592-910760	7/11/2023 9:21:02 AM		VOC		0.504	0.504								
592-910760	7/11/2023 9:20:52 AM		VOC		0.524	0.524								
592-910760	7/11/2023 9:20:42 AM		VOC		0.482	0.482								
592-910760	7/11/2023 9:20:32 AM		VOC		0.483	0.483								
592-910760	7/11/2023 9:20:22 AM		VOC		0.487	0.487								
592-910760	7/11/2023 9:20:12 AM		VOC		0.488	0.488								
592-910760	7/11/2023 9:20:02 AM		VOC		0.489	0.489								
592-910760	7/11/2023 9:19:52 AM		VOC		0.495	0.495								
592-910760	7/11/2023 9:19:42 AM		VOC		0.501	0.501								
592-910760	7/11/2023 9:19:32 AM		VOC		0.497	0.497								
592-910760	7/11/2023 9:19:22 AM		VOC		0.51	0.51								
592-910760	7/11/2023 9:19:12 AM		VOC		0.532	0.532								
592-910760	7/11/2023 9:19:02 AM		VOC		0.578	0.578								
592-910760	7/11/2023 9:18:52 AM		VOC		0.515	0.515								
592-910760	7/11/2023 9:18:42 AM		VOC		0.486	0.486								
592-910760	7/11/2023 9:18:32 AM		VOC		0.485	0.485								
592-910760	7/11/2023 9:18:22 AM		VOC		0.428	0.428								
592-910760	7/11/2023 9:18:12 AM		VOC		0.489	0.489								
592-910760	7/11/2023 9:18:02 AM		VOC		0.49	0.49								
592-910760	7/11/2023 9:17:52 AM		VOC		0.488	0.488								
592-910760	7/11/2023 9:17:42 AM		VOC		0.44	0.44								
592-910760	7/11/2023 9:17:32 AM		VOC		0.483	0.483								
592-910760	7/11/2023 9:17:22 AM		VOC		0.478	0.478								
592-910760	7/11/2023 9:17:12 AM		VOC		0.48	0.48								
592-910760	7/11/2023 9:17:02 AM		VOC		0.478	0.478								
592-910760	7/11/2023 9:16:52 AM		VOC		0.477	0.477								
592-910760	7/11/2023 9:16:42 AM		VOC		0.475	0.475								
592-910760	7/11/2023 9:16:32 AM		VOC		0.474	0.474								
592-910760	7/11/2023 9:16:22 AM		VOC		0.475	0.475								
592-910760	7/11/2023 9:16:12 AM		VOC		0.475	0.475								
592-910760	7/11/2023 9:16:02 AM		VOC		0.476	0.476								
592-910760	7/11/2023 9:15:52 AM		VOC		0.481	0.481								
592-910760	7/11/2023 9:15:42 AM		VOC		0.482	0.482								
592-910760	7/11/2023 9:15:32 AM		VOC		0.481	0.481								
592-910760	7/11/2023 9:15:22 AM		VOC		0.48	0.48								
592-910760	7/11/2023 9:15:12 AM		VOC		0.484	0.484								
592-910760	7/11/2023 9:15:02 AM		VOC		0.483	0.483								
592-910760	7/11/2023 9:14:52 AM		VOC		0.493	0.493								
592-910760	7/11/2023 9:14:42 AM		VOC		0.486	0.486								
592-910760	7/11/2023 9:14:32 AM		VOC		0.493	0.493								
592-910760	7/11/2023 9:14:22 AM		VOC		0.473	0.473								
592-910760	7/11/2023 9:14:12 AM		VOC		0.48	0.48								
592-910760	7/11/2023 9:14:02 AM		VOC		0.467	0.467								
592-910760	7/11/2023 9:13:52 AM		VOC		0.467	0.467								
592-910760	7/11/2023 9:13:42 AM		VOC		0.468	0.468								
592-910760	7/11/2023 9:13:32 AM		VOC		0.464	0.464								
592-910760	7/11/2023 9:13:22 AM		VOC		0.463	0.463								
592-910760	7/11/2023 9:13:12 AM		VOC		0.464	0.464								
592-910760	7/11/2023 9:13:02 AM		VOC		0.463	0.463								
592-910760	7/11/2023 9:12:52 AM		VOC		0.465	0.465								
592-910760	7/11/2023 9:12:42 AM		VOC		0.467	0.467								
592-910760	7/11/2023 9:12:32 AM		VOC		0.466	0.466								
592-910760	7/11/2023 9:12:22 AM		VOC		0.47	0.47								
592-910760	7/11/2023 9:12:12 AM		VOC		0.452	0.452								
592-910760	7/11/2023 9:12:02 AM		VOC		0.408	0.408								
592-910760	7/11/2023 9:11:52 AM		VOC		0.479	0.479								
592-910760	7/11/2023 9:11:42 AM		VOC		0.461	0.461								
592-910760	7/11/2023 9:11:32 AM		VOC		0.458	0.458								
592-910760	7/11/2023 9:11:22 AM		VOC		0.462	0.462								
592-910760	7/11/2023 9:11:12 AM		VOC		0.461	0.461								
592-910760	7/11/2023 9:11:02 AM		VOC		0.465	0.465								
592-910760	7/11/2023 9:10:52 AM		VOC		0.469	0.469								
592-910760	7/11/2023 9:10:42 AM		VOC		0.464	0.464								
592-910760	7/11/2023 9:10:32 AM		VOC		0.465	0.465								
592-910760	7/11/2023 9:10:22 AM		VOC		0.464	0.464								
592-910760	7/11/2023 9:10:12 AM		VOC		0.463	0.463								
592-910760	7/11/2023 9:10:02 AM		VOC		0.462	0.462								
592-910760	7/11/2023 9:09:52 AM		VOC		0.463	0.463								
592-910760	7/11/2023 9:09:42 AM		VOC		0.466	0.466								
592-910760	7/11/2023 9:09:32 AM		VOC		0.472	0.472								
592-910760	7/11/2023 9:09:22 AM		VOC		0.459	0.459								
592-910760	7/11/2023 9:09:12 AM		VOC		0.468	0.468								
592-910760	7/11/2023 9:09:02 AM		VOC		0.467	0.467								

592-910760	7/11/2023 9:08:52 AM		VOC		0.466	0.466								
592-910760	7/11/2023 9:08:42 AM		VOC		0.464	0.464								
592-910760	7/11/2023 9:08:32 AM		VOC		0.459	0.459								
592-910760	7/11/2023 9:08:22 AM		VOC		0.46	0.46								
592-910760	7/11/2023 9:08:12 AM		VOC		0.457	0.457								
592-910760	7/11/2023 9:08:02 AM		VOC		0.456	0.456								
592-910760	7/11/2023 9:07:52 AM		VOC		0.456	0.456								
592-910760	7/11/2023 9:07:42 AM		VOC		0.455	0.455								
592-910760	7/11/2023 9:07:32 AM		VOC		0.455	0.455								
592-910760	7/11/2023 9:07:22 AM		VOC		0.454	0.454								
592-910760	7/11/2023 9:07:12 AM		VOC		0.453	0.453								
592-910760	7/11/2023 9:07:02 AM		VOC		0.454	0.454								
592-910760	7/11/2023 9:06:52 AM		VOC		0.454	0.454								
592-910760	7/11/2023 9:06:42 AM		VOC		0.452	0.452								
592-910760	7/11/2023 9:06:32 AM		VOC		0.454	0.454								
592-910760	7/11/2023 9:06:22 AM		VOC		0.457	0.457								
592-910760	7/11/2023 9:06:12 AM		VOC		0.453	0.453								
592-910760	7/11/2023 9:06:02 AM		VOC		0.456	0.456								
592-910760	7/11/2023 9:05:52 AM		VOC		0.46	0.46								
592-910760	7/11/2023 9:05:42 AM		VOC		0.465	0.465								
592-910760	7/11/2023 9:05:32 AM		VOC		0.455	0.455								
592-910760	7/11/2023 9:05:22 AM		VOC		0.45	0.45								
592-910760	7/11/2023 9:05:12 AM		VOC		0.449	0.449								
592-910760	7/11/2023 9:05:02 AM		VOC		0.449	0.449								
592-910760	7/11/2023 9:04:52 AM		VOC		0.454	0.454								
592-910760	7/11/2023 9:04:42 AM		VOC		0.454	0.454								
592-910760	7/11/2023 9:04:32 AM		VOC		0.444	0.444								
592-910760	7/11/2023 9:04:22 AM		VOC		0.445	0.445								
592-910760	7/11/2023 9:04:12 AM		VOC		0.446	0.446								
592-910760	7/11/2023 9:04:02 AM		VOC		0.436	0.436								
592-910760	7/11/2023 9:03:52 AM		VOC		0.433	0.433								
592-910760	7/11/2023 9:03:42 AM		VOC		0.44	0.44								
592-910760	7/11/2023 9:03:32 AM		VOC		0.432	0.432								
592-910760	7/11/2023 9:03:22 AM		VOC		0.425	0.425								
592-910760	7/11/2023 9:03:12 AM		VOC		0.426	0.426								
592-910760	7/11/2023 9:03:02 AM		VOC		0.426	0.426								
592-910760	7/11/2023 9:02:52 AM		VOC		0.429	0.429								
592-910760	7/11/2023 9:02:42 AM		VOC		0.43	0.43								
592-910760	7/11/2023 9:02:32 AM		VOC		0.423	0.423								
592-910760	7/11/2023 9:02:22 AM		VOC		0.426	0.426								
592-910760	7/11/2023 9:02:12 AM		VOC		0.435	0.435								
592-910760	7/11/2023 9:02:02 AM		VOC		0.44	0.44								
592-910760	7/11/2023 9:01:52 AM		VOC		0.446	0.446								
592-910760	7/11/2023 9:01:42 AM		VOC		0.448	0.448								
592-910760	7/11/2023 9:01:32 AM		VOC		0.435	0.435								
592-910760	7/11/2023 9:01:22 AM		VOC		0.436	0.436								
592-910760	7/11/2023 9:01:12 AM		VOC		0.436	0.436								
592-910760	7/11/2023 9:01:02 AM		VOC		0.445	0.445								
592-910760	7/11/2023 9:00:52 AM		VOC		0.448	0.448								
592-910760	7/11/2023 9:00:42 AM		VOC		0.468	0.468								
592-910760	7/11/2023 9:00:32 AM		VOC		0.427	0.427								
592-910760	7/11/2023 9:00:22 AM		VOC		0.416	0.416								
592-910760	7/11/2023 9:00:12 AM		VOC		0.422	0.422								
592-910760	7/11/2023 9:00:02 AM		VOC		0.42	0.42								
592-910760	7/11/2023 8:59:52 AM		VOC		0.418	0.418								
592-910760	7/11/2023 8:59:42 AM		VOC		0.416	0.416								
592-910760	7/11/2023 8:59:32 AM		VOC		0.418	0.418								
592-910760	7/11/2023 8:59:22 AM		VOC		0.416	0.416								
592-910760	7/11/2023 8:59:12 AM		VOC		0.413	0.413								
592-910760	7/11/2023 8:59:02 AM		VOC		0.413	0.413								
592-910760	7/11/2023 8:58:52 AM		VOC		0.414	0.414								
592-910760	7/11/2023 8:58:42 AM		VOC		0.412	0.412								
592-910760	7/11/2023 8:58:32 AM		VOC		0.346	0.346								
592-910760	7/11/2023 8:58:22 AM		VOC		0.418	0.418								
592-910760	7/11/2023 8:58:12 AM		VOC		0.405	0.405								
592-910760	7/11/2023 8:58:02 AM		VOC		0.402	0.402								
592-910760	7/11/2023 8:57:52 AM		VOC		0.403	0.403								
592-910760	7/11/2023 8:57:42 AM		VOC		0.399	0.399								
592-910760	7/11/2023 8:57:32 AM		VOC		0.4	0.4								
592-910760	7/11/2023 8:57:22 AM		VOC		0.407	0.407								
592-910760	7/11/2023 8:57:12 AM		VOC		0.392	0.392								
592-910760	7/11/2023 8:57:02 AM		VOC		0.392	0.392								
592-910760	7/11/2023 8:56:52 AM		VOC		0.393	0.393								
592-910760	7/11/2023 8:56:42 AM		VOC		0.39	0.39								
592-910760	7/11/2023 8:56:32 AM		VOC		0.396	0.396								
592-910760	7/11/2023 8:56:22 AM		VOC		0.391	0.391								
592-910760	7/11/2023 8:56:12 AM		VOC		0.368	0.368								
592-910760	7/11/2023 8:56:02 AM		VOC		0.384	0.384								
592-910760	7/11/2023 8:55:52 AM		VOC		0.386	0.386								
592-910760	7/11/2023 8:55:42 AM		VOC		0.379	0.379								
592-910760	7/11/2023 8:55:32 AM		VOC		0.381	0.381								
592-910760	7/11/2023 8:55:22 AM		VOC		0.332	0.332								
592-910760	7/11/2023 8:55:12 AM		VOC		0.377	0.377								
592-910760	7/11/2023 8:55:02 AM		VOC		0.38	0.38								
592-910760	7/11/2023 8:54:52 AM		VOC		0.395	0.395								
592-910760	7/11/2023 8:54:42 AM		VOC		0.392	0.392								
592-910760	7/11/2023 8:54:32 AM		VOC		0.379	0.379								
592-910760	7/11/2023 8:54:22 AM		VOC		0.376	0.376								
592-910760	7/11/2023 8:54:12 AM		VOC		0.378	0.378								
592-910760	7/11/2023 8:54:02 AM		VOC		0.377	0.377								
592-910760	7/11/2023 8:53:52 AM		VOC		0.377	0.377								
592-910760	7/11/2023 8:53:42 AM		VOC		0.38	0.38								
592-910760	7/11/2023 8:53:32 AM		VOC		0.379	0.379								
592-910760	7/11/2023 8:53:22 AM		VOC		0.372	0.372								
592-910760	7/11/2023 8:53:12 AM		VOC		0.373	0.373								
592-910760	7/11/2023 8:53:02 AM		VOC		0.373	0.373								
592-910760	7/11/2023 8:52:52 AM		VOC		0.381	0.381								
592-910760	7/11/2023 8:52:42 AM		VOC		0.389	0.389								
592-910760	7/11/2023 8:52:32 AM		VOC		0.369	0.369								
592-910760	7/11/2023 8:52:22 AM		VOC		0.362	0.362								
592-910760	7/11/2023 8:52:12 AM		VOC		0.362	0.362								

592-910760	7/11/2023 8:52:02 AM		VOC		0.281	0.281								
592-910760	7/11/2023 8:51:52 AM		VOC		0.36	0.36								
592-910760	7/11/2023 8:51:42 AM		VOC		0.358	0.358								
592-910760	7/11/2023 8:51:32 AM		VOC		0.359	0.359								
592-910760	7/11/2023 8:51:22 AM		VOC		0.357	0.357								
592-910760	7/11/2023 8:51:12 AM		VOC		0.358	0.358								
592-910760	7/11/2023 8:51:02 AM		VOC		0.358	0.358								
592-910760	7/11/2023 8:50:52 AM		VOC		0.353	0.353								
592-910760	7/11/2023 8:50:42 AM		VOC		0.354	0.354								
592-910760	7/11/2023 8:50:32 AM		VOC		0.364	0.364								
592-910760	7/11/2023 8:50:22 AM		VOC		0.36	0.36								
592-910760	7/11/2023 8:50:12 AM		VOC		0.372	0.372								
592-910760	7/11/2023 8:50:02 AM		VOC		0.363	0.363								
592-910760	7/11/2023 8:49:52 AM		VOC		0.364	0.364								
592-910760	7/11/2023 8:49:42 AM		VOC		0.351	0.351								
592-910760	7/11/2023 8:49:32 AM		VOC		0.368	0.368								
592-910760	7/11/2023 8:49:22 AM		VOC		0.341	0.341								
592-910760	7/11/2023 8:49:12 AM		VOC		0.339	0.339								
592-910760	7/11/2023 8:49:02 AM		VOC		0.339	0.339								
592-910760	7/11/2023 8:48:52 AM		VOC		0.334	0.334								
592-910760	7/11/2023 8:48:42 AM		VOC		0.334	0.334								
592-910760	7/11/2023 8:48:32 AM		VOC		0.332	0.332								
592-910760	7/11/2023 8:48:22 AM		VOC		0.332	0.332								
592-910760	7/11/2023 8:48:12 AM		VOC		0.329	0.329								
592-910760	7/11/2023 8:48:02 AM		VOC		0.326	0.326								
592-910760	7/11/2023 8:47:52 AM		VOC		0.324	0.324								
592-910760	7/11/2023 8:47:42 AM		VOC		0.304	0.304								
592-910760	7/11/2023 8:47:32 AM		VOC		0.318	0.318								
592-910760	7/11/2023 8:47:22 AM		VOC		0.319	0.319								
592-910760	7/11/2023 8:47:12 AM		VOC		0.316	0.316								
592-910760	7/11/2023 8:47:02 AM		VOC		0.313	0.313								
592-910760	7/11/2023 8:46:52 AM		VOC		0.311	0.311								
592-910760	7/11/2023 8:46:42 AM		VOC		0.311	0.311								
592-910760	7/11/2023 8:46:32 AM		VOC		0.305	0.305								
592-910760	7/11/2023 8:46:22 AM		VOC		0.306	0.306								
592-910760	7/11/2023 8:46:12 AM		VOC		0.303	0.303								
592-910760	7/11/2023 8:46:02 AM		VOC		0.309	0.309								
592-910760	7/11/2023 8:45:52 AM		VOC		0.31	0.31								
592-910760	7/11/2023 8:45:42 AM		VOC		0.294	0.294								
592-910760	7/11/2023 8:45:32 AM		VOC		0.295	0.295								
592-910760	7/11/2023 8:45:22 AM		VOC		0.293	0.293								
592-910760	7/11/2023 8:45:12 AM		VOC		0.292	0.292								
592-910760	7/11/2023 8:45:02 AM		VOC		0.294	0.294								
592-910760	7/11/2023 8:44:52 AM		VOC		0.297	0.297								
592-910760	7/11/2023 8:44:42 AM		VOC		0.297	0.297								
592-910760	7/11/2023 8:44:32 AM		VOC		0.297	0.297								
592-910760	7/11/2023 8:44:22 AM		VOC		0.307	0.307								
592-910760	7/11/2023 8:44:12 AM		VOC		0.333	0.333								
592-910760	7/11/2023 8:44:02 AM		VOC		0.334	0.334								
592-910760	7/11/2023 8:43:52 AM		VOC		0.342	0.342								
592-910760	7/11/2023 8:43:42 AM		VOC		0.272	0.272								
592-910760	7/11/2023 8:43:32 AM		VOC		0.273	0.273								
592-910760	7/11/2023 8:43:22 AM		VOC		0.275	0.275								
592-910760	7/11/2023 8:43:12 AM		VOC		0.281	0.281								
592-910760	7/11/2023 8:43:02 AM		VOC		0.288	0.288								
592-910760	7/11/2023 8:42:52 AM		VOC		0.289	0.289								
592-910760	7/11/2023 8:42:42 AM		VOC		0.272	0.272								
592-910760	7/11/2023 8:42:32 AM		VOC		0.267	0.267								
592-910760	7/11/2023 8:42:22 AM		VOC		0.265	0.265								
592-910760	7/11/2023 8:42:12 AM		VOC		0.27	0.27								
592-910760	7/11/2023 8:42:02 AM		VOC		0.267	0.267								
592-910760	7/11/2023 8:41:52 AM		VOC		0.257	0.257								
592-910760	7/11/2023 8:41:42 AM		VOC		0.268	0.268								
592-910760	7/11/2023 8:41:32 AM		VOC		0.253	0.253								
592-910760	7/11/2023 8:41:22 AM		VOC		0.242	0.242								
592-910760	7/11/2023 8:41:12 AM		VOC		0.239	0.239								
592-910760	7/11/2023 8:41:02 AM		VOC		0.235	0.235								
592-910760	7/11/2023 8:40:52 AM		VOC		0.23	0.23								
592-910760	7/11/2023 8:40:42 AM		VOC		0.23	0.23								
592-910760	7/11/2023 8:40:32 AM		VOC		0.229	0.229								
592-910760	7/11/2023 8:40:22 AM		VOC		0.237	0.237								
592-910760	7/11/2023 8:40:12 AM		VOC		0.223	0.223								
592-910760	7/11/2023 8:40:02 AM		VOC		0.239	0.239								
592-910760	7/11/2023 8:39:52 AM		VOC		0.244	0.244								
592-910760	7/11/2023 8:39:42 AM		VOC		0.263	0.263								
592-910760	7/11/2023 8:39:32 AM		VOC		0.227	0.227								
592-910760	7/11/2023 8:39:22 AM		VOC		0.217	0.217								
592-910760	7/11/2023 8:39:12 AM		VOC		0.229	0.229								
592-910760	7/11/2023 8:39:02 AM		VOC		0.231	0.231								
592-910760	7/11/2023 8:38:52 AM		VOC		0.335	0.335								
592-910760	7/11/2023 8:38:42 AM		VOC		0.367	0.367								
592-910760	7/11/2023 8:38:32 AM		VOC		0.214	0.214								
592-910760	7/11/2023 8:38:22 AM		VOC		0.199	0.199								
592-910760	7/11/2023 8:38:12 AM		VOC		0.196	0.196								
592-910760	7/11/2023 8:38:02 AM		VOC		0.207	0.207								
592-910760	7/11/2023 8:37:52 AM		VOC		0.208	0.208								
592-910760	7/11/2023 8:37:42 AM		VOC		0.212	0.212								
592-910760	7/11/2023 8:37:32 AM		VOC		0.217	0.217								
592-910760	7/11/2023 8:37:22 AM		VOC		0.224	0.224								
592-910760	7/11/2023 8:37:12 AM		VOC		0.224	0.224								
592-910760	7/11/2023 8:37:02 AM		VOC		0.227	0.227								
592-910760	7/11/2023 8:36:52 AM		VOC		0.229	0.229								
592-910760	7/11/2023 8:36:42 AM		VOC		0.234	0.234								
592-910760	7/11/2023 8:36:32 AM		VOC		0.237	0.237								
592-910760	7/11/2023 8:36:22 AM		VOC		0.248	0.248								
592-910760	7/11/2023 8:36:12 AM		VOC		0.245	0.245								
592-910760	7/11/2023 8:36:02 AM		VOC		0.246	0.246								
592-910760	7/11/2023 8:35:52 AM		VOC		0.24	0.24								
592-910760	7/11/2023 8:35:42 AM		VOC		0.223	0.223								
592-910760	7/11/2023 8:35:32 AM		VOC		0.244	0.244								
592-910760	7/11/2023 8:35:22 AM		VOC		0.241	0.241								

592-910760	7/11/2023 8:35:12 AM		VOC		0.219	0.219								
592-910760	7/11/2023 8:35:02 AM		VOC		0.251	0.251								
592-910760	7/11/2023 8:34:52 AM		VOC		0.255	0.255								
592-910760	7/11/2023 8:34:42 AM		VOC		0.241	0.241								
592-910760	7/11/2023 8:34:32 AM		VOC		0.258	0.258								
592-910760	7/11/2023 8:34:22 AM		VOC		0.191	0.191								
592-910760	7/11/2023 8:34:12 AM		VOC		0.245	0.245								
592-910760	7/11/2023 8:34:02 AM		VOC		0.261	0.261								
592-910760	7/11/2023 8:33:52 AM		VOC		0.259	0.259								
592-910760	7/11/2023 8:33:42 AM		VOC		0.249	0.249								
592-910760	7/11/2023 8:33:32 AM		VOC		0.247	0.247								
592-910760	7/11/2023 8:33:22 AM		VOC		0.246	0.246								
592-910760	7/11/2023 8:33:12 AM		VOC		0.243	0.243								
592-910760	7/11/2023 8:33:02 AM		VOC		0.246	0.246								
592-910760	7/11/2023 8:32:52 AM		VOC		0.301	0.301								
592-910760	7/11/2023 8:32:42 AM		VOC		0.288	0.288								
592-910760	7/11/2023 8:32:32 AM		VOC		0.206	0.206								
592-910760	7/11/2023 8:32:22 AM		VOC		0.23	0.23								
592-910760	7/11/2023 8:32:12 AM		VOC		0.228	0.228								
592-910760	7/11/2023 8:32:02 AM		VOC		0.22	0.22								
592-910760	7/11/2023 8:31:52 AM		VOC		0.216	0.216								
592-910760	7/11/2023 8:31:42 AM		VOC		0.211	0.211								
592-910760	7/11/2023 8:31:32 AM		VOC		0.226	0.226								
592-910760	7/11/2023 8:31:22 AM		VOC		0.216	0.216								
592-910760	7/11/2023 8:31:12 AM		VOC		0.205	0.205								
592-910760	7/11/2023 8:31:02 AM		VOC		0.215	0.215								
592-910760	7/11/2023 8:30:52 AM		VOC		0.214	0.214								
592-910760	7/11/2023 8:30:42 AM		VOC		0.209	0.209								
592-910760	7/11/2023 8:30:32 AM		VOC		0.205	0.205								
592-910760	7/11/2023 8:30:22 AM		VOC		0.2	0.2								
592-910760	7/11/2023 8:30:12 AM		VOC		0.191	0.191								
592-910760	7/11/2023 8:30:02 AM		VOC		0.139	0.139								
592-910760	7/11/2023 8:29:52 AM		VOC		0.186	0.186								
592-910760	7/11/2023 8:29:42 AM		VOC		0.19	0.19								
592-910760	7/11/2023 8:29:32 AM		VOC		0.182	0.182								
592-910760	7/11/2023 8:29:22 AM		VOC		0.195	0.195								
592-910760	7/11/2023 8:29:12 AM		VOC		0.19	0.19								
592-910760	7/11/2023 8:29:02 AM		VOC		0.187	0.187								
592-910760	7/11/2023 8:28:52 AM		VOC		0.189	0.189								
592-910760	7/11/2023 8:28:42 AM		VOC		0.185	0.185								
592-910760	7/11/2023 8:28:32 AM		VOC		0.173	0.173								
592-910760	7/11/2023 8:28:22 AM		VOC		0.193	0.193								
592-910760	7/11/2023 8:28:12 AM		VOC		0.204	0.204								
592-910760	7/11/2023 8:28:02 AM		VOC		0.212	0.212								
592-910760	7/11/2023 8:27:52 AM		VOC		0.188	0.188								
592-910760	7/11/2023 8:27:42 AM		VOC		0.183	0.183								
592-910760	7/11/2023 8:27:32 AM		VOC		0.176	0.176								
592-910760	7/11/2023 8:27:22 AM		VOC		0.17	0.17								
592-910760	7/11/2023 8:27:12 AM		VOC		0.163	0.163								
592-910760	7/11/2023 8:27:02 AM		VOC		0.161	0.161								
592-910760	7/11/2023 8:26:52 AM		VOC		0.125	0.125								
592-910760	7/11/2023 8:26:42 AM		VOC		0.182	0.182								
592-910760	7/11/2023 8:26:32 AM		VOC		0.191	0.191								
592-910760	7/11/2023 8:26:22 AM		VOC		0.189	0.189								
592-910760	7/11/2023 8:26:12 AM		VOC		0.198	0.198								
592-910760	7/11/2023 8:26:02 AM		VOC		0.193	0.193								
592-910760	7/11/2023 8:25:52 AM		VOC		0.194	0.194								
592-910760	7/11/2023 8:25:42 AM		VOC		0.192	0.192								
592-910760	7/11/2023 8:25:32 AM		VOC		0.188	0.188								
592-910760	7/11/2023 8:25:22 AM		VOC		0.186	0.186								
592-910760	7/11/2023 8:25:12 AM		VOC		0.19	0.19								
592-910760	7/11/2023 8:25:02 AM		VOC		0.194	0.194								
592-910760	7/11/2023 8:24:52 AM		VOC		0.196	0.196								
592-910760	7/11/2023 8:24:42 AM		VOC		0.202	0.202								
592-910760	7/11/2023 8:24:32 AM		VOC		0.203	0.203								
592-910760	7/11/2023 8:24:22 AM		VOC		0.203	0.203								
592-910760	7/11/2023 8:24:12 AM		VOC		0.207	0.207								
592-910760	7/11/2023 8:24:02 AM		VOC		0.215	0.215								
592-910760	7/11/2023 8:23:52 AM		VOC		0.222	0.222								
592-910760	7/11/2023 8:23:42 AM		VOC		0.227	0.227								
592-910760	7/11/2023 8:23:32 AM		VOC		0.215	0.215								
592-910760	7/11/2023 8:23:22 AM		VOC		0.215	0.215								
592-910760	7/11/2023 8:23:12 AM		VOC		0.221	0.221								
592-910760	7/11/2023 8:23:02 AM		VOC		0.229	0.229								
592-910760	7/11/2023 8:22:52 AM		VOC		0.23	0.23								
592-910760	7/11/2023 8:22:42 AM		VOC		0.235	0.235								
592-910760	7/11/2023 8:22:32 AM		VOC		0.243	0.243								
592-910760	7/11/2023 8:22:22 AM		VOC		0.245	0.245								
592-910760	7/11/2023 8:22:12 AM		VOC		0.247	0.247								
592-910760	7/11/2023 8:22:02 AM		VOC		0.251	0.251								
592-910760	7/11/2023 8:21:52 AM		VOC		0.243	0.243								
592-910760	7/11/2023 8:21:42 AM		VOC		0.248	0.248								
592-910760	7/11/2023 8:21:32 AM		VOC		0.252	0.252								
592-910760	7/11/2023 8:21:22 AM		VOC		0.254	0.254								
592-910760	7/11/2023 8:21:12 AM		VOC		0.262	0.262								
592-910760	7/11/2023 8:21:02 AM		VOC		0.27	0.27								
592-910760	7/11/2023 8:20:52 AM		VOC		0.279	0.279								
592-910760	7/11/2023 8:20:42 AM		VOC		0.284	0.284								
592-910760	7/11/2023 8:20:32 AM		VOC		0.291	0.291								
592-910760	7/11/2023 8:20:22 AM		VOC		0.279	0.279								
592-910760	7/11/2023 8:20:12 AM		VOC		0.297	0.297								
592-910760	7/11/2023 8:20:02 AM		VOC		0.31	0.31								
592-910760	7/11/2023 8:19:52 AM		VOC		0.309	0.309								
592-910760	7/11/2023 8:19:42 AM		VOC		0.315	0.315								
592-910760	7/11/2023 8:19:32 AM		VOC		0.312	0.312								
592-910760	7/11/2023 8:19:22 AM		VOC		0.314	0.314								
592-910760	7/11/2023 8:19:12 AM		VOC		0.317	0.317								
592-910760	7/11/2023 8:19:02 AM		VOC		0.324	0.324								
592-910760	7/11/2023 8:18:52 AM		VOC		0.329	0.329								
592-910760	7/11/2023 8:18:42 AM		VOC		0.337	0.337								
592-910760	7/11/2023 8:18:32 AM		VOC		0.34	0.34								

592-910760	7/11/2023 8:18:22 AM		VOC		0.345	0.345								
592-910760	7/11/2023 8:18:12 AM		VOC		0.322	0.322								
592-910760	7/11/2023 8:18:02 AM		VOC		0.365	0.365								
592-910760	7/11/2023 8:17:52 AM		VOC		0.366	0.366								
592-910760	7/11/2023 8:17:42 AM		VOC		0.375	0.375								
592-910760	7/11/2023 8:17:32 AM		VOC		0.382	0.382								
592-910760	7/11/2023 8:17:22 AM		VOC		0.387	0.387								
592-910760	7/11/2023 8:17:12 AM		VOC		0.389	0.389								
592-910760	7/11/2023 8:17:02 AM		VOC		0.396	0.396								
592-910760	7/11/2023 8:16:52 AM		VOC		0.379	0.379								
592-910760	7/11/2023 8:16:42 AM		VOC		0.406	0.406								
592-910760	7/11/2023 8:16:32 AM		VOC		0.411	0.411								
592-910760	7/11/2023 8:16:22 AM		VOC		0.413	0.413								
592-910760	7/11/2023 8:16:12 AM		VOC		0.42	0.42								
592-910760	7/11/2023 8:16:02 AM		VOC		0.393	0.393								
592-910760	7/11/2023 8:15:52 AM		VOC		0.436	0.436								
592-910760	7/11/2023 8:15:42 AM		VOC		0.453	0.453								
592-910760	7/11/2023 8:15:32 AM		VOC		0.46	0.46								
592-910760	7/11/2023 8:15:22 AM		VOC		0.464	0.464								
592-910760	7/11/2023 8:15:12 AM		VOC		0.464	0.464								
592-910760	7/11/2023 8:15:02 AM		VOC		0.465	0.465								
592-910760	7/11/2023 8:14:52 AM		VOC		0.477	0.477								
592-910760	7/11/2023 8:14:42 AM		VOC		0.485	0.485								
592-910760	7/11/2023 8:14:32 AM		VOC		0.47	0.47								
592-910760	7/11/2023 8:14:22 AM		VOC		0.479	0.479								
592-910760	7/11/2023 8:14:12 AM		VOC		0.503	0.503								
592-910760	7/11/2023 8:14:02 AM		VOC		0.507	0.507								
592-910760	7/11/2023 8:13:52 AM		VOC		0.448	0.448								
592-910760	7/11/2023 8:13:42 AM		VOC		0.511	0.511								
592-910760	7/11/2023 8:13:32 AM		VOC		0.536	0.536								
592-910760	7/11/2023 8:13:22 AM		VOC		0.538	0.538								
592-910760	7/11/2023 8:13:12 AM		VOC		0.549	0.549								
592-910760	7/11/2023 8:13:02 AM		VOC		0.562	0.562								
592-910760	7/11/2023 8:12:52 AM		VOC		0.56	0.56								
592-910760	7/11/2023 8:12:42 AM		VOC		0.536	0.536								
592-910760	7/11/2023 8:12:32 AM		VOC		0.57	0.57								
592-910760	7/11/2023 8:12:22 AM		VOC		0.581	0.581								
592-910760	7/11/2023 8:12:12 AM		VOC		0.632	0.632								
592-910760	7/11/2023 8:12:02 AM		VOC		0.837	0.837								
592-910760	7/11/2023 8:11:52 AM		VOC		0.674	0.674								
592-910760	7/11/2023 8:11:42 AM		VOC		0.523	0.523								
592-910760	7/11/2023 8:11:32 AM		VOC		0.526	0.526								
592-910760	7/11/2023 8:11:22 AM		VOC		0.527	0.527								
592-910760	7/11/2023 8:11:12 AM		VOC		0.53	0.53								
592-910760	7/11/2023 8:11:02 AM		VOC		0.53	0.53								
592-910760	7/11/2023 8:10:52 AM		VOC		0.529	0.529								
592-910760	7/11/2023 8:10:42 AM		VOC		0.529	0.529								
592-910760	7/11/2023 8:10:32 AM		VOC		0.535	0.535								
592-910760	7/11/2023 8:10:22 AM		VOC		0.536	0.536								
592-910760	7/11/2023 8:10:12 AM		VOC		0.505	0.505								
592-910760	7/11/2023 8:10:02 AM		VOC		0.561	0.561								
592-910760	7/11/2023 8:09:52 AM		VOC		0.571	0.571								
592-910760	7/11/2023 8:09:42 AM		VOC		0.567	0.567								
592-910760	7/11/2023 8:09:32 AM		VOC		0.578	0.578								
592-910760	7/11/2023 8:09:22 AM		VOC		0.581	0.581								
592-910760	7/11/2023 8:09:12 AM		VOC		0.586	0.586								
592-910760	7/11/2023 8:09:02 AM		VOC		0.591	0.591								
592-910760	7/11/2023 8:08:52 AM		VOC		0.575	0.575								
592-910760	7/11/2023 8:08:42 AM		VOC		0.603	0.603								
592-910760	7/11/2023 8:08:32 AM		VOC		0.62	0.62								
592-910760	7/11/2023 8:08:22 AM		VOC		0.605	0.605								
592-910760	7/11/2023 8:08:12 AM		VOC		0.634	0.634								
592-910760	7/11/2023 8:08:02 AM		VOC		0.637	0.637								
592-910760	7/11/2023 8:07:52 AM		VOC		0.646	0.646								
592-910760	7/11/2023 8:07:42 AM		VOC		0.642	0.642								
592-910760	7/11/2023 8:07:32 AM		VOC		0.647	0.647								
592-910760	7/11/2023 8:07:22 AM		VOC		0.655	0.655								
592-910760	7/11/2023 8:07:12 AM		VOC		0.651	0.651								
592-910760	7/11/2023 8:07:02 AM		VOC		0.655	0.655								
592-910760	7/11/2023 8:06:52 AM		VOC		0.657	0.657								
592-910760	7/11/2023 8:06:42 AM		VOC		0.659	0.659								
592-910760	7/11/2023 8:06:32 AM		VOC		0.66	0.66								
592-910760	7/11/2023 8:06:22 AM		VOC		0.66	0.66								
592-910760	7/11/2023 8:06:12 AM		VOC		0.665	0.665								
592-910760	7/11/2023 8:06:02 AM		VOC		0.669	0.669								
592-910760	7/11/2023 8:05:52 AM		VOC		0.672	0.672								
592-910760	7/11/2023 8:05:42 AM		VOC		0.681	0.681								
592-910760	7/11/2023 8:05:32 AM		VOC		0.682	0.682								
592-910760	7/11/2023 8:05:22 AM		VOC		0.687	0.687								
592-910760	7/11/2023 8:05:12 AM		VOC		0.687	0.687								
592-910760	7/11/2023 8:05:02 AM		VOC		0.687	0.687								
592-910760	7/11/2023 8:04:52 AM		VOC		0.693	0.693								
592-910760	7/11/2023 8:04:42 AM		VOC		0.699	0.699								
592-910760	7/11/2023 8:04:32 AM		VOC		0.709	0.709								
592-910760	7/11/2023 8:04:22 AM		VOC		0.716	0.716								
592-910760	7/11/2023 8:04:12 AM		VOC		0.717	0.717								
592-910760	7/11/2023 8:04:02 AM		VOC		0.719	0.719								
592-910760	7/11/2023 8:03:52 AM		VOC		0.721	0.721								
592-910760	7/11/2023 8:03:42 AM		VOC		0.721	0.721								
592-910760	7/11/2023 8:03:32 AM		VOC		0.718	0.718								
592-910760	7/11/2023 8:03:22 AM		VOC		0.721	0.721								
592-910760	7/11/2023 8:03:12 AM		VOC		0.721	0.721								
592-910760	7/11/2023 8:03:02 AM		VOC		0.72	0.72								
592-910760	7/11/2023 8:02:52 AM		VOC		0.718	0.718								
592-910760	7/11/2023 8:02:42 AM		VOC		0.714	0.714								
592-910760	7/11/2023 8:02:32 AM		VOC		0.712	0.712								
592-910760	7/11/2023 8:02:22 AM		VOC		0.713	0.713								
592-910760	7/11/2023 8:02:12 AM		VOC		0.719	0.719								
592-910760	7/11/2023 8:02:02 AM		VOC		0.725	0.725								
592-910760	7/11/2023 8:01:52 AM		VOC		0.734	0.734								
592-910760	7/11/2023 8:01:42 AM		VOC		0.746	0.746								

592-910760	7/11/2023 8:01:32 AM		VOC		0.746	0.746								
592-910760	7/11/2023 8:01:22 AM		VOC		0.753	0.753								
592-910760	7/11/2023 8:01:12 AM		VOC		0.761	0.761								
592-910760	7/11/2023 8:01:02 AM		VOC		0.769	0.769								
592-910760	7/11/2023 8:00:52 AM		VOC		0.774	0.774								
592-910760	7/11/2023 8:00:42 AM		VOC		0.775	0.775								
592-910760	7/11/2023 8:00:32 AM		VOC		0.631	0.631								
592-910760	7/11/2023 8:00:22 AM		VOC		0.781	0.781								
592-910760	7/11/2023 8:00:12 AM		VOC		0.809	0.809								
592-910760	7/11/2023 8:00:02 AM		VOC		0.8	0.8								
592-910760	7/11/2023 7:59:52 AM		VOC		0.804	0.804								
592-910760	7/11/2023 7:59:42 AM		VOC		0.649	0.649								
592-910760	7/11/2023 7:59:32 AM		VOC		0.832	0.832								
592-910760	7/11/2023 7:59:22 AM		VOC		0.848	0.848								
592-910760	7/11/2023 7:59:12 AM		VOC		0.836	0.836								
592-910760	7/11/2023 7:59:02 AM		VOC		0.844	0.844								
592-910760	7/11/2023 7:58:52 AM		VOC		0.856	0.856								
592-910760	7/11/2023 7:58:42 AM		VOC		0.882	0.882								
592-910760	7/11/2023 7:58:32 AM		VOC		0.894	0.894								
592-910760	7/11/2023 7:58:22 AM		VOC		0.912	0.912								
592-910760	7/11/2023 7:58:12 AM		VOC		0.913	0.913								
592-910760	7/11/2023 7:58:02 AM		VOC		0.922	0.922								
592-910760	7/11/2023 7:57:52 AM		VOC		0.929	0.929								
592-910760	7/11/2023 7:57:42 AM		VOC		0.937	0.937								
592-910760	7/11/2023 7:57:32 AM		VOC		0.963	0.963								
592-910760	7/11/2023 7:57:22 AM		VOC		0.972	0.972								
592-910760	7/11/2023 7:57:12 AM		VOC		0.98	0.98								
592-910760	7/11/2023 7:57:02 AM		VOC		0.99	0.99								
592-910760	7/11/2023 7:56:52 AM		VOC		1.013	1.013								
592-910760	7/11/2023 7:56:42 AM		VOC		1.035	1.035								
592-910760	7/11/2023 7:56:32 AM		VOC		1.052	1.052								
592-910760	7/11/2023 7:56:22 AM		VOC		1.062	1.062								
592-910760	7/11/2023 7:56:12 AM		VOC		1.028	1.028								
592-910760	7/11/2023 7:56:02 AM		VOC		1.048	1.048								
592-910760	7/11/2023 7:55:52 AM		VOC		1.052	1.052								
592-910760	7/11/2023 7:55:42 AM		VOC		1.066	1.066								
592-910760	7/11/2023 7:55:32 AM		VOC		1.076	1.076								
592-910760	7/11/2023 7:55:22 AM		VOC		1.08	1.08								
592-910760	7/11/2023 7:55:12 AM		VOC		1.084	1.084								
592-910760	7/11/2023 7:55:02 AM		VOC		1.087	1.087								
592-910760	7/11/2023 7:54:52 AM		VOC		1.08	1.08								
592-910760	7/11/2023 7:54:42 AM		VOC		1.09	1.09								
592-910760	7/11/2023 7:54:32 AM		VOC		1.105	1.105								
592-910760	7/11/2023 7:54:22 AM		VOC		1.114	1.114								
592-910760	7/11/2023 7:54:12 AM		VOC		1.125	1.125								
592-910760	7/11/2023 7:54:02 AM		VOC		1.15	1.15								
592-910760	7/11/2023 7:53:52 AM		VOC		1.161	1.161								
592-910760	7/11/2023 7:53:42 AM		VOC		1.155	1.155								
592-910760	7/11/2023 7:53:32 AM		VOC		1.18	1.18								
592-910760	7/11/2023 7:53:22 AM		VOC		1.213	1.213								
592-910760	7/11/2023 7:53:12 AM		VOC		1.15	1.15								
592-910760	7/11/2023 7:53:02 AM		VOC		1.139	1.139								
592-910760	7/11/2023 7:52:52 AM		VOC		1.141	1.141								
592-910760	7/11/2023 7:52:42 AM		VOC		1.149	1.149								
592-910760	7/11/2023 7:52:32 AM		VOC		1.149	1.149								
592-910760	7/11/2023 7:52:22 AM		VOC		1.152	1.152								
592-910760	7/11/2023 7:52:12 AM		VOC		1.158	1.158								
592-910760	7/11/2023 7:52:02 AM		VOC		1.173	1.173								
592-910760	7/11/2023 7:51:52 AM		VOC		1.182	1.182								
592-910760	7/11/2023 7:51:42 AM		VOC		1.174	1.174								
592-910760	7/11/2023 7:51:32 AM		VOC		1.178	1.178								
592-910760	7/11/2023 7:51:22 AM		VOC		1.188	1.188								
592-910760	7/11/2023 7:51:12 AM		VOC		1.19	1.19								
592-910760	7/11/2023 7:51:02 AM		VOC		1.194	1.194								
592-910760	7/11/2023 7:50:52 AM		VOC		1.051	1.051								
592-910760	7/11/2023 7:50:42 AM		VOC		1.178	1.178								
592-910760	7/11/2023 7:50:32 AM		VOC		1.168	1.168								
592-910760	7/11/2023 7:50:22 AM		VOC		1.154	1.154								
592-910760	7/11/2023 7:50:12 AM		VOC		1.198	1.198								
592-910760	7/11/2023 7:50:02 AM		VOC		1.188	1.188								
592-910760	7/11/2023 7:49:52 AM		VOC		1.209	1.209								
592-910760	7/11/2023 7:49:42 AM		VOC		1.196	1.196								
592-910760	7/11/2023 7:49:32 AM		VOC		1.119	1.119								
592-910760	7/11/2023 7:49:22 AM		VOC		1.202	1.202								
592-910760	7/11/2023 7:49:12 AM		VOC		1.233	1.233								
592-910760	7/11/2023 7:49:02 AM		VOC		1.228	1.228								
592-910760	7/11/2023 7:48:52 AM		VOC		1.226	1.226								
592-910760	7/11/2023 7:48:42 AM		VOC		1.257	1.257								
592-910760	7/11/2023 7:48:32 AM		VOC		1.269	1.269								
592-910760	7/11/2023 7:48:22 AM		VOC		1.272	1.272								
592-910760	7/11/2023 7:48:12 AM		VOC		1.281	1.281								
592-910760	7/11/2023 7:48:02 AM		VOC		1.297	1.297								
592-910760	7/11/2023 7:47:52 AM		VOC		1.316	1.316								
592-910760	7/11/2023 7:47:42 AM		VOC		1.333	1.333								
592-910760	7/11/2023 7:47:32 AM		VOC		1.351	1.351								
592-910760	7/11/2023 7:47:22 AM		VOC		1.362	1.362								
592-910760	7/11/2023 7:47:12 AM		VOC		1.371	1.371								
592-910760	7/11/2023 7:47:02 AM		VOC		1.38	1.38								
592-910760	7/11/2023 7:46:52 AM		VOC		1.398	1.398								
592-910760	7/11/2023 7:46:42 AM		VOC		1.333	1.333								
592-910760	7/11/2023 7:46:32 AM		VOC		1.445	1.445								
592-910760	7/11/2023 7:46:22 AM		VOC		1.461	1.461								
592-910760	7/11/2023 7:46:12 AM		VOC		1.468	1.468								
592-910760	7/11/2023 7:46:02 AM		VOC		1.483	1.483								
592-910760	7/11/2023 7:45:52 AM		VOC		1.481	1.481								
592-910760	7/11/2023 7:45:42 AM		VOC		1.48	1.48								
592-910760	7/11/2023 7:45:32 AM		VOC		1.479	1.479								
592-910760	7/11/2023 7:45:22 AM		VOC		1.471	1.471								
592-910760	7/11/2023 7:45:12 AM		VOC		1.471	1.471								
592-910760	7/11/2023 7:45:02 AM		VOC		1.491	1.491								
592-910760	7/11/2023 7:44:52 AM		VOC		1.502	1.502								

592-910760	7/11/2023 7:44:42 AM		VOC		1.487	1.487								
592-910760	7/11/2023 7:44:32 AM		VOC		1.467	1.467								
592-910760	7/11/2023 7:44:22 AM		VOC		1.462	1.462								
592-910760	7/11/2023 7:44:12 AM		VOC		1.462	1.462								
592-910760	7/11/2023 7:44:02 AM		VOC		1.456	1.456								
592-910760	7/11/2023 7:43:52 AM		VOC		1.45	1.45								
592-910760	7/11/2023 7:43:42 AM		VOC		1.442	1.442								
592-910760	7/11/2023 7:43:32 AM		VOC		1.436	1.436								
592-910760	7/11/2023 7:43:22 AM		VOC		1.437	1.437								
592-910760	7/11/2023 7:43:12 AM		VOC		1.44	1.44								
592-910760	7/11/2023 7:43:02 AM		VOC		1.451	1.451								
592-910760	7/11/2023 7:42:52 AM		VOC		1.483	1.483								
592-910760	7/11/2023 7:42:42 AM		VOC		1.507	1.507								
592-910760	7/11/2023 7:42:32 AM		VOC		1.505	1.505								
592-910760	7/11/2023 7:42:22 AM		VOC		1.502	1.502								
592-910760	7/11/2023 7:42:12 AM		VOC		1.5	1.5								
592-910760	7/11/2023 7:42:02 AM		VOC		1.499	1.499								
592-910760	7/11/2023 7:41:52 AM		VOC		1.499	1.499								
592-910760	7/11/2023 7:41:42 AM		VOC		1.497	1.497								
592-910760	7/11/2023 7:41:32 AM		VOC		1.513	1.513								
592-910760	7/11/2023 7:41:22 AM		VOC		1.528	1.528								
592-910760	7/11/2023 7:41:12 AM		VOC		1.435	1.435								
592-910760	7/11/2023 7:41:02 AM		VOC		1.481	1.481								
592-910760	7/11/2023 7:40:52 AM		VOC		1.476	1.476								
592-910760	7/11/2023 7:40:42 AM		VOC		1.469	1.469								
592-910760	7/11/2023 7:40:32 AM		VOC		1.453	1.453								
592-910760	7/11/2023 7:40:22 AM		VOC		1.448	1.448								
592-910760	7/11/2023 7:40:12 AM		VOC		1.47	1.47								
592-910760	7/11/2023 7:40:02 AM		VOC		1.45	1.45								
592-910760	7/11/2023 7:39:52 AM		VOC		1.443	1.443								
592-910760	7/11/2023 7:39:42 AM		VOC		1.427	1.427								
592-910760	7/11/2023 7:39:32 AM		VOC		1.416	1.416								
592-910760	7/11/2023 7:39:22 AM		VOC		1.438	1.438								
592-910760	7/11/2023 7:39:12 AM		VOC		1.462	1.462								
592-910760	7/11/2023 7:39:02 AM		VOC		1.449	1.449								
592-910760	7/11/2023 7:38:52 AM		VOC		1.428	1.428								
592-910760	7/11/2023 7:38:42 AM		VOC		1.495	1.495								
592-910760	7/11/2023 7:38:32 AM		VOC		1.519	1.519								
592-910760	7/11/2023 7:38:22 AM		VOC		1.474	1.474								
592-910760	7/11/2023 7:38:12 AM		VOC		1.479	1.479								
592-910760	7/11/2023 7:38:02 AM		VOC		1.492	1.492								
592-910760	7/11/2023 7:37:52 AM		VOC		1.463	1.463								
592-910760	7/11/2023 7:37:42 AM		VOC		1.468	1.468								
592-910760	7/11/2023 7:37:32 AM		VOC		1.453	1.453								
592-910760	7/11/2023 7:37:22 AM		VOC		1.444	1.444								
592-910760	7/11/2023 7:37:12 AM		VOC		1.452	1.452								
592-910760	7/11/2023 7:37:02 AM		VOC		1.442	1.442								
592-910760	7/11/2023 7:36:52 AM		VOC		1.438	1.438								
592-910760	7/11/2023 7:36:42 AM		VOC		1.437	1.437								
592-910760	7/11/2023 7:36:32 AM		VOC		1.446	1.446								
592-910760	7/11/2023 7:36:22 AM		VOC		1.475	1.475								
592-910760	7/11/2023 7:36:12 AM		VOC		1.426	1.426								
592-910760	7/11/2023 7:36:02 AM		VOC		1.523	1.523								
592-910760	7/11/2023 7:35:52 AM		VOC		1.526	1.526								
592-910760	7/11/2023 7:35:42 AM		VOC		1.533	1.533								
592-910760	7/11/2023 7:35:32 AM		VOC		1.545	1.545								
592-910760	7/11/2023 7:35:22 AM		VOC		1.558	1.558								
592-910760	7/11/2023 7:35:12 AM		VOC		1.559	1.559								
592-910760	7/11/2023 7:35:02 AM		VOC		1.545	1.545								
592-910760	7/11/2023 7:34:52 AM		VOC		1.532	1.532								
592-910760	7/11/2023 7:34:42 AM		VOC		1.538	1.538								
592-910760	7/11/2023 7:34:32 AM		VOC		1.567	1.567								
592-910760	7/11/2023 7:34:22 AM		VOC		1.595	1.595								
592-910760	7/11/2023 7:34:12 AM		VOC		1.62	1.62								
592-910760	7/11/2023 7:34:02 AM		VOC		1.703	1.703								
592-910760	7/11/2023 7:33:52 AM		VOC		1.635	1.635								
592-910760	7/11/2023 7:33:42 AM		VOC		1.589	1.589								
592-910760	7/11/2023 7:33:32 AM		VOC		1.584	1.584								
592-910760	7/11/2023 7:33:22 AM		VOC		1.575	1.575								
592-910760	7/11/2023 7:33:12 AM		VOC		1.559	1.559								
592-910760	7/11/2023 7:33:02 AM		VOC		1.571	1.571								
592-910760	7/11/2023 7:32:52 AM		VOC		1.627	1.627								
592-910760	7/11/2023 7:32:42 AM		VOC		1.66	1.66								
592-910760	7/11/2023 7:32:32 AM		VOC		1.579	1.579								
592-910760	7/11/2023 7:32:22 AM		VOC		1.6	1.6								
592-910760	7/11/2023 7:32:12 AM		VOC		1.606	1.606								
592-910760	7/11/2023 7:32:02 AM		VOC		1.61	1.61								
592-910760	7/11/2023 7:31:52 AM		VOC		1.627	1.627								
592-910760	7/11/2023 7:31:42 AM		VOC		1.648	1.648								
592-910760	7/11/2023 7:31:32 AM		VOC		1.68	1.68								
592-910760	7/11/2023 7:31:22 AM		VOC		1.691	1.691								
592-910760	7/11/2023 7:31:12 AM		VOC		1.698	1.698								
592-910760	7/11/2023 7:31:02 AM		VOC		1.744	1.744								
592-910760	7/11/2023 7:30:52 AM		VOC		1.759	1.759								
592-910760	7/11/2023 7:30:42 AM		VOC		1.663	1.663								
592-910760	7/11/2023 7:30:32 AM		VOC		1.707	1.707								
592-910760	7/11/2023 7:30:22 AM		VOC		1.687	1.687								
592-910760	7/11/2023 7:30:12 AM		VOC		1.696	1.696								
592-910760	7/11/2023 7:30:02 AM		VOC		1.708	1.708								
592-910760	7/11/2023 7:29:52 AM		VOC		1.721	1.721								
592-910760	7/11/2023 7:29:42 AM		VOC		1.736	1.736								
592-910760	7/11/2023 7:29:32 AM		VOC		1.701	1.701								
592-910760	7/11/2023 7:29:22 AM		VOC		1.745	1.745								
592-910760	7/11/2023 7:29:12 AM		VOC		1.784	1.784								
592-910760	7/11/2023 7:29:02 AM		VOC		1.728	1.728								
592-910760	7/11/2023 7:28:52 AM		VOC		1.77	1.77								
592-910760	7/11/2023 7:28:42 AM		VOC		1.778	1.778								
592-910760	7/11/2023 7:28:32 AM		VOC		1.789	1.789								
592-910760	7/11/2023 7:28:22 AM		VOC		1.812	1.812								
592-910760	7/11/2023 7:28:12 AM		VOC		1.831	1.831								
592-910760	7/11/2023 7:28:02 AM		VOC		1.848	1.848								

592-910760	7/11/2023 7:27:52 AM		VOC		1.848	1.848								
592-910760	7/11/2023 7:27:42 AM		VOC		1.846	1.846								
592-910760	7/11/2023 7:27:32 AM		VOC		1.85	1.85								
592-910760	7/11/2023 7:27:22 AM		VOC		1.852	1.852								
592-910760	7/11/2023 7:27:12 AM		VOC		1.861	1.861								
592-910760	7/11/2023 7:27:02 AM		VOC		1.89	1.89								
592-910760	7/11/2023 7:26:52 AM		VOC		1.918	1.918								
592-910760	7/11/2023 7:26:42 AM		VOC		1.927	1.927								
592-910760	7/11/2023 7:26:32 AM		VOC		1.946	1.946								
592-910760	7/11/2023 7:26:22 AM		VOC		1.946	1.946								
592-910760	7/11/2023 7:26:12 AM		VOC		1.971	1.971								
592-910760	7/11/2023 7:26:02 AM		VOC		2.002	2.002								
592-910760	7/11/2023 7:25:52 AM		VOC		2.01	2.01								
592-910760	7/11/2023 7:25:42 AM		VOC		1.995	1.995								
592-910760	7/11/2023 7:25:32 AM		VOC		2.031	2.031								
592-910760	7/11/2023 7:25:22 AM		VOC		2.062	2.062								
592-910760	7/11/2023 7:25:12 AM		VOC		2.069	2.069								
592-910760	7/11/2023 7:25:02 AM		VOC		2.066	2.066								
592-910760	7/11/2023 7:24:52 AM		VOC		2.082	2.082								
592-910760	7/11/2023 7:24:42 AM		VOC		2.089	2.089								
592-910760	7/11/2023 7:24:32 AM		VOC		2.068	2.068								
592-910760	7/11/2023 7:24:22 AM		VOC		2.087	2.087								
592-910760	7/11/2023 7:24:12 AM		VOC		2.111	2.111								
592-910760	7/11/2023 7:24:02 AM		VOC		2.095	2.095								
592-910760	7/11/2023 7:23:52 AM		VOC		2.113	2.113								
592-910760	7/11/2023 7:23:42 AM		VOC		2.323	2.323								
592-910760	7/11/2023 7:23:32 AM		VOC		2.106	2.106								
592-910760	7/11/2023 7:23:22 AM		VOC		2.062	2.062								
592-910760	7/11/2023 7:23:12 AM		VOC		2.115	2.115								
592-910760	7/11/2023 7:23:02 AM		VOC		2.132	2.132								
592-910760	7/11/2023 7:22:52 AM		VOC		2.116	2.116								
592-910760	7/11/2023 7:22:42 AM		VOC		2.18	2.18								
592-910760	7/11/2023 7:22:32 AM		VOC		2.171	2.171								
592-910760	7/11/2023 7:22:22 AM		VOC		2.157	2.157								
592-910760	7/11/2023 7:22:12 AM		VOC		2.218	2.218								
592-910760	7/11/2023 7:22:02 AM		VOC		2.162	2.162								
592-910760	7/11/2023 7:21:52 AM		VOC		2.15	2.15								
592-910760	7/11/2023 7:21:42 AM		VOC		2.151	2.151								
592-910760	7/11/2023 7:21:32 AM		VOC		2.145	2.145								
592-910760	7/11/2023 7:21:22 AM		VOC		2.148	2.148								
592-910760	7/11/2023 7:21:12 AM		VOC		2.184	2.184								
592-910760	7/11/2023 7:21:02 AM		VOC		2.189	2.189								
592-910760	7/11/2023 7:20:52 AM		VOC		2.173	2.173								
592-910760	7/11/2023 7:20:42 AM		VOC		2.203	2.203								
592-910760	7/11/2023 7:20:32 AM		VOC		2.279	2.279								
592-910760	7/11/2023 7:20:22 AM		VOC		2.212	2.212								
592-910760	7/11/2023 7:20:12 AM		VOC		2.202	2.202								
592-910760	7/11/2023 7:20:02 AM		VOC		2.268	2.268								
592-910760	7/11/2023 7:19:52 AM		VOC		2.359	2.359								
592-910760	7/11/2023 7:19:42 AM		VOC		2.293	2.293								
592-910760	7/11/2023 7:19:32 AM		VOC		2.249	2.249								
592-910760	7/11/2023 7:19:22 AM		VOC		2.285	2.285								
592-910760	7/11/2023 7:19:12 AM		VOC		2.298	2.298								
592-910760	7/11/2023 7:19:02 AM		VOC		2.31	2.31								
592-910760	7/11/2023 7:18:52 AM		VOC		2.3	2.3								
592-910760	7/11/2023 7:18:42 AM		VOC		2.342	2.342								
592-910760	7/11/2023 7:18:32 AM		VOC		2.377	2.377								
592-910760	7/11/2023 7:18:22 AM		VOC		2.426	2.426								
592-910760	7/11/2023 7:18:12 AM		VOC		2.394	2.394								
592-910760	7/11/2023 7:18:02 AM		VOC		2.394	2.394								
592-910760	7/11/2023 7:17:52 AM		VOC		2.381	2.381								
592-910760	7/11/2023 7:17:42 AM		VOC		2.412	2.412								
592-910760	7/11/2023 7:17:32 AM		VOC		2.437	2.437								
592-910760	7/11/2023 7:17:22 AM		VOC		2.457	2.457								
592-910760	7/11/2023 7:17:12 AM		VOC		2.48	2.48								
592-910760	7/11/2023 7:17:02 AM		VOC		2.507	2.507								
592-910760	7/11/2023 7:16:52 AM		VOC		2.528	2.528								
592-910760	7/11/2023 7:16:42 AM		VOC		2.555	2.555								
592-910760	7/11/2023 7:16:32 AM		VOC		2.585	2.585								
592-910760	7/11/2023 7:16:22 AM		VOC		2.617	2.617								
592-910760	7/11/2023 7:16:12 AM		VOC		2.649	2.649								
592-910760	7/11/2023 7:16:02 AM		VOC		2.678	2.678								
592-910760	7/11/2023 7:15:52 AM		VOC		2.721	2.721								
592-910760	7/11/2023 7:15:42 AM		VOC		2.765	2.765								
592-910760	7/11/2023 7:15:32 AM		VOC		2.804	2.804								
592-910760	7/11/2023 7:15:22 AM		VOC		2.851	2.851								
592-910760	7/11/2023 7:15:12 AM		VOC		2.897	2.897								
592-910760	7/11/2023 7:15:02 AM		VOC		2.939	2.939								
592-910760	7/11/2023 7:14:52 AM		VOC		2.974	2.974								
592-910760	7/11/2023 7:14:42 AM		VOC		3.021	3.021								
592-910760	7/11/2023 7:14:32 AM		VOC		3.066	3.066								
592-910760	7/11/2023 7:14:22 AM		VOC		3.119	3.119								
592-910760	7/11/2023 7:14:12 AM		VOC		3.169	3.169								
592-910760	7/11/2023 7:14:02 AM		VOC		3.22	3.22								
592-910760	7/11/2023 7:13:52 AM		VOC		3.281	3.281								
592-910760	7/11/2023 7:13:42 AM		VOC		3.335	3.335								
592-910760	7/11/2023 7:13:32 AM		VOC		3.404	3.404								
592-910760	7/11/2023 7:13:22 AM		VOC		3.472	3.472								
592-910760	7/11/2023 7:13:12 AM		VOC		3.527	3.527								
592-910760	7/11/2023 7:13:02 AM		VOC		3.616	3.616								
592-910760	7/11/2023 7:12:52 AM		VOC		3.693	3.693								
592-910760	7/11/2023 7:12:42 AM		VOC		3.733	3.733								
592-910760	7/11/2023 7:12:32 AM		VOC		3.846	3.846								
592-910760	7/11/2023 7:12:22 AM		VOC		3.927	3.927								
592-910760	7/11/2023 7:12:12 AM		VOC		3.973	3.973								
592-910760	7/11/2023 7:12:02 AM		VOC		4.036	4.036								
592-910760	7/11/2023 7:11:52 AM		VOC		4.069	4.069								
592-910760	7/11/2023 7:11:42 AM		VOC		4.03	4.03								
592-910760	7/11/2023 7:11:32 AM		VOC		4.011	4.011								
592-910760	7/11/2023 7:11:22 AM		VOC		3.862	3.862								
592-910760	7/11/2023 7:11:12 AM		VOC		3.617	3.617								

592-910760	7/11/2023 7:11:02 AM		VOC		3.286	3.286							
592-910760	7/11/2023 7:10:52 AM		VOC		2.699	2.699							
592-910760	7/11/2023 7:10:42 AM	10	VOC	ppm			100.0	200.0	100.0	2575	7/11/2023 7:10:42 AM	7/11/2023 2:19:52 PM	V1.20
592-910760	7/10/2023 2:50:58 PM		VOC		1.924	1.924							
592-910760	7/10/2023 2:50:48 PM		VOC		1.907	1.907							
592-910760	7/10/2023 2:50:38 PM		VOC		1.883	1.883							
592-910760	7/10/2023 2:50:28 PM		VOC		1.854	1.854							
592-910760	7/10/2023 2:50:18 PM		VOC		1.805	1.805							
592-910760	7/10/2023 2:50:08 PM		VOC		1.716	1.716							
592-910760	7/10/2023 2:49:58 PM		VOC		1.619	1.619							
592-910760	7/10/2023 2:49:48 PM		VOC		1.574	1.574							
592-910760	7/10/2023 2:49:38 PM		VOC		1.575	1.575							
592-910760	7/10/2023 2:49:28 PM		VOC		1.577	1.577							
592-910760	7/10/2023 2:49:18 PM		VOC		1.578	1.578							
592-910760	7/10/2023 2:49:08 PM		VOC		1.581	1.581							
592-910760	7/10/2023 2:48:58 PM		VOC		1.583	1.583							
592-910760	7/10/2023 2:48:48 PM		VOC		1.582	1.582							
592-910760	7/10/2023 2:48:38 PM		VOC		1.582	1.582							
592-910760	7/10/2023 2:48:28 PM		VOC		1.582	1.582							
592-910760	7/10/2023 2:48:18 PM		VOC		1.581	1.581							
592-910760	7/10/2023 2:48:08 PM		VOC		1.581	1.581							
592-910760	7/10/2023 2:47:58 PM		VOC		1.584	1.584							
592-910760	7/10/2023 2:47:48 PM		VOC		1.588	1.588							
592-910760	7/10/2023 2:47:38 PM		VOC		1.587	1.587							
592-910760	7/10/2023 2:47:28 PM		VOC		1.587	1.587							
592-910760	7/10/2023 2:47:18 PM		VOC		1.588	1.588							
592-910760	7/10/2023 2:47:08 PM		VOC		1.589	1.589							
592-910760	7/10/2023 2:46:58 PM		VOC		1.587	1.587							
592-910760	7/10/2023 2:46:48 PM		VOC		1.587	1.587							
592-910760	7/10/2023 2:46:38 PM		VOC		1.589	1.589							
592-910760	7/10/2023 2:46:28 PM		VOC		1.592	1.592							
592-910760	7/10/2023 2:46:18 PM		VOC		1.593	1.593							
592-910760	7/10/2023 2:46:08 PM		VOC		1.589	1.589							
592-910760	7/10/2023 2:45:58 PM		VOC		1.591	1.591							
592-910760	7/10/2023 2:45:48 PM		VOC		1.594	1.594							
592-910760	7/10/2023 2:45:38 PM		VOC		1.594	1.594							
592-910760	7/10/2023 2:45:28 PM		VOC		1.595	1.595							
592-910760	7/10/2023 2:45:18 PM		VOC		1.597	1.597							
592-910760	7/10/2023 2:45:08 PM		VOC		1.596	1.596							
592-910760	7/10/2023 2:44:58 PM		VOC		1.596	1.596							
592-910760	7/10/2023 2:44:48 PM		VOC		1.598	1.598							
592-910760	7/10/2023 2:44:38 PM		VOC		1.597	1.597							
592-910760	7/10/2023 2:44:28 PM		VOC		1.598	1.598							
592-910760	7/10/2023 2:44:18 PM		VOC		1.603	1.603							
592-910760	7/10/2023 2:44:08 PM		VOC		1.601	1.601							
592-910760	7/10/2023 2:43:58 PM		VOC		1.604	1.604							
592-910760	7/10/2023 2:43:48 PM		VOC		1.606	1.606							
592-910760	7/10/2023 2:43:38 PM		VOC		1.607	1.607							
592-910760	7/10/2023 2:43:28 PM		VOC		1.608	1.608							
592-910760	7/10/2023 2:43:18 PM		VOC		1.605	1.605							
592-910760	7/10/2023 2:43:08 PM		VOC		1.606	1.606							
592-910760	7/10/2023 2:42:58 PM		VOC		1.607	1.607							
592-910760	7/10/2023 2:42:48 PM		VOC		1.61	1.61							
592-910760	7/10/2023 2:42:38 PM		VOC		1.609	1.609							
592-910760	7/10/2023 2:42:28 PM		VOC		1.613	1.613							
592-910760	7/10/2023 2:42:18 PM		VOC		1.613	1.613							
592-910760	7/10/2023 2:42:08 PM		VOC		1.614	1.614							
592-910760	7/10/2023 2:41:58 PM		VOC		1.617	1.617							
592-910760	7/10/2023 2:41:48 PM		VOC		1.619	1.619							
592-910760	7/10/2023 2:41:38 PM		VOC		1.618	1.618							
592-910760	7/10/2023 2:41:28 PM		VOC		1.618	1.618							
592-910760	7/10/2023 2:41:18 PM		VOC		1.62	1.62							
592-910760	7/10/2023 2:41:08 PM		VOC		1.615	1.615							
592-910760	7/10/2023 2:40:58 PM		VOC		1.613	1.613							
592-910760	7/10/2023 2:40:48 PM		VOC		1.616	1.616							
592-910760	7/10/2023 2:40:38 PM		VOC		1.615	1.615							
592-910760	7/10/2023 2:40:28 PM		VOC		1.616	1.616							
592-910760	7/10/2023 2:40:18 PM		VOC		1.616	1.616							
592-910760	7/10/2023 2:40:08 PM		VOC		1.617	1.617							
592-910760	7/10/2023 2:39:58 PM		VOC		1.614	1.614							
592-910760	7/10/2023 2:39:48 PM		VOC		1.615	1.615							
592-910760	7/10/2023 2:39:38 PM		VOC		1.616	1.616							
592-910760	7/10/2023 2:39:28 PM		VOC		1.618	1.618							
592-910760	7/10/2023 2:39:18 PM		VOC		1.616	1.616							
592-910760	7/10/2023 2:39:08 PM		VOC		1.618	1.618							
592-910760	7/10/2023 2:38:58 PM		VOC		1.617	1.617							
592-910760	7/10/2023 2:38:48 PM		VOC		1.614	1.614							
592-910760	7/10/2023 2:38:38 PM		VOC		1.617	1.617							
592-910760	7/10/2023 2:38:28 PM		VOC		1.617	1.617							
592-910760	7/10/2023 2:38:18 PM		VOC		1.619	1.619							
592-910760	7/10/2023 2:38:08 PM		VOC		1.618	1.618							
592-910760	7/10/2023 2:37:58 PM		VOC		1.619	1.619							
592-910760	7/10/2023 2:37:48 PM		VOC		1.618	1.618							
592-910760	7/10/2023 2:37:38 PM		VOC		1.616	1.616							
592-910760	7/10/2023 2:37:28 PM		VOC		1.616	1.616							
592-910760	7/10/2023 2:37:18 PM		VOC		1.616	1.616							
592-910760	7/10/2023 2:37:08 PM		VOC		1.617	1.617							
592-910760	7/10/2023 2:36:58 PM		VOC		1.617	1.617							
592-910760	7/10/2023 2:36:48 PM		VOC		1.615	1.615							
592-910760	7/10/2023 2:36:38 PM		VOC		1.615	1.615							
592-910760	7/10/2023 2:36:28 PM		VOC		1.614	1.614							
592-910760	7/10/2023 2:36:18 PM		VOC		1.618	1.618							
592-910760	7/10/2023 2:36:08 PM		VOC		1.615	1.615							
592-910760	7/10/2023 2:35:58 PM		VOC		1.612	1.612							
592-910760	7/10/2023 2:35:48 PM		VOC		1.61	1.61							
592-910760	7/10/2023 2:35:38 PM		VOC		1.61	1.61							
592-910760	7/10/2023 2:35:28 PM		VOC		1.609	1.609							
592-910760	7/10/2023 2:35:18 PM		VOC		1.605	1.605							
592-910760	7/10/2023 2:35:08 PM		VOC		1.605	1.605							
592-910760	7/10/2023 2:34:58 PM		VOC		1.606	1.606							
592-910760	7/10/2023 2:34:48 PM		VOC		1.606	1.606							

592-910760	7/10/2023 2:34:38 PM		VOC		1.604	1.604									
592-910760	7/10/2023 2:34:28 PM		VOC		1.603	1.603									
592-910760	7/10/2023 2:34:18 PM		VOC		1.604	1.604									
592-910760	7/10/2023 2:34:08 PM		VOC		1.601	1.601									
592-910760	7/10/2023 2:33:58 PM		VOC		1.601	1.601									
592-910760	7/10/2023 2:33:48 PM		VOC		1.601	1.601									
592-910760	7/10/2023 2:33:38 PM		VOC		1.598	1.598									
592-910760	7/10/2023 2:33:28 PM		VOC		1.598	1.598									
592-910760	7/10/2023 2:33:18 PM		VOC		1.597	1.597									
592-910760	7/10/2023 2:33:08 PM		VOC		1.596	1.596									
592-910760	7/10/2023 2:32:58 PM		VOC		1.6	1.6									
592-910760	7/10/2023 2:32:48 PM		VOC		1.598	1.598									
592-910760	7/10/2023 2:32:38 PM		VOC		1.601	1.601									
592-910760	7/10/2023 2:32:28 PM		VOC		1.595	1.595									
592-910760	7/10/2023 2:32:18 PM		VOC		1.596	1.596									
592-910760	7/10/2023 2:32:08 PM		VOC		1.598	1.598									
592-910760	7/10/2023 2:31:58 PM		VOC		1.598	1.598									
592-910760	7/10/2023 2:31:48 PM		VOC		1.595	1.595									
592-910760	7/10/2023 2:31:38 PM		VOC		1.597	1.597									
592-910760	7/10/2023 2:31:28 PM		VOC		1.594	1.594									
592-910760	7/10/2023 2:31:18 PM		VOC		1.59	1.59									
592-910760	7/10/2023 2:31:08 PM		VOC		1.59	1.59									
592-910760	7/10/2023 2:30:58 PM		VOC		1.587	1.587									
592-910760	7/10/2023 2:30:48 PM		VOC		1.586	1.586									
592-910760	7/10/2023 2:30:38 PM		VOC		1.585	1.585									
592-910760	7/10/2023 2:30:28 PM		VOC		1.583	1.583									
592-910760	7/10/2023 2:30:18 PM		VOC		1.581	1.581									
592-910760	7/10/2023 2:30:08 PM		VOC		1.582	1.582									
592-910760	7/10/2023 2:29:58 PM		VOC		1.579	1.579									
592-910760	7/10/2023 2:29:48 PM		VOC		1.582	1.582									
592-910760	7/10/2023 2:29:38 PM		VOC		1.579	1.579									
592-910760	7/10/2023 2:29:28 PM		VOC		1.574	1.574									
592-910760	7/10/2023 2:29:18 PM		VOC		1.573	1.573									
592-910760	7/10/2023 2:29:08 PM		VOC		1.573	1.573									
592-910760	7/10/2023 2:28:58 PM		VOC		1.572	1.572									
592-910760	7/10/2023 2:28:48 PM		VOC		1.568	1.568									
592-910760	7/10/2023 2:28:38 PM		VOC		1.567	1.567									
592-910760	7/10/2023 2:28:28 PM		VOC		1.563	1.563									
592-910760	7/10/2023 2:28:18 PM		VOC		1.558	1.558									
592-910760	7/10/2023 2:28:08 PM		VOC		1.559	1.559									
592-910760	7/10/2023 2:27:58 PM		VOC		1.56	1.56									
592-910760	7/10/2023 2:27:48 PM		VOC		1.558	1.558									
592-910760	7/10/2023 2:27:38 PM		VOC		1.556	1.556									
592-910760	7/10/2023 2:27:28 PM		VOC		1.556	1.556									
592-910760	7/10/2023 2:27:18 PM		VOC		1.552	1.552									
592-910760	7/10/2023 2:27:08 PM		VOC		1.548	1.548									
592-910760	7/10/2023 2:26:58 PM		VOC		1.544	1.544									
592-910760	7/10/2023 2:26:48 PM		VOC		1.541	1.541									
592-910760	7/10/2023 2:26:38 PM		VOC		1.54	1.54									
592-910760	7/10/2023 2:26:28 PM		VOC		1.541	1.541									
592-910760	7/10/2023 2:26:18 PM		VOC		1.537	1.537									
592-910760	7/10/2023 2:26:08 PM		VOC		1.534	1.534									
592-910760	7/10/2023 2:25:58 PM		VOC		1.533	1.533									
592-910760	7/10/2023 2:25:48 PM		VOC		1.533	1.533									
592-910760	7/10/2023 2:25:38 PM		VOC		1.524	1.524									
592-910760	7/10/2023 2:25:28 PM		VOC		1.524	1.524									
592-910760	7/10/2023 2:25:18 PM		VOC		1.52	1.52									
592-910760	7/10/2023 2:25:08 PM		VOC		1.513	1.513									
592-910760	7/10/2023 2:24:58 PM		VOC		1.511	1.511									
592-910760	7/10/2023 2:24:48 PM		VOC		1.511	1.511									
592-910760	7/10/2023 2:24:38 PM		VOC		1.504	1.504									
592-910760	7/10/2023 2:24:28 PM		VOC		1.503	1.503									
592-910760	7/10/2023 2:24:18 PM		VOC		1.499	1.499									
592-910760	7/10/2023 2:24:08 PM		VOC		1.498	1.498									
592-910760	7/10/2023 2:23:58 PM		VOC		1.49	1.49									
592-910760	7/10/2023 2:23:48 PM		VOC		1.493	1.493									
592-910760	7/10/2023 2:23:38 PM		VOC		1.489	1.489									
592-910760	7/10/2023 2:23:28 PM		VOC		1.485	1.485									
592-910760	7/10/2023 2:23:18 PM		VOC		1.484	1.484									
592-910760	7/10/2023 2:23:08 PM		VOC		1.478	1.478									
592-910760	7/10/2023 2:22:58 PM		VOC		1.476	1.476									
592-910760	7/10/2023 2:22:48 PM		VOC		1.475	1.475									
592-910760	7/10/2023 2:22:38 PM		VOC		1.475	1.475									
592-910760	7/10/2023 2:22:28 PM		VOC		1.475	1.475									
592-910760	7/10/2023 2:22:18 PM		VOC		1.468	1.468									
592-910760	7/10/2023 2:22:08 PM		VOC		1.47	1.47									
592-910760	7/10/2023 2:21:58 PM		VOC		1.47	1.47									
592-910760	7/10/2023 2:21:48 PM		VOC		1.466	1.466									
592-910760	7/10/2023 2:21:38 PM		VOC		1.461	1.461									
592-910760	7/10/2023 2:21:28 PM		VOC		1.462	1.462									
592-910760	7/10/2023 2:21:18 PM		VOC		1.458	1.458									
592-910760	7/10/2023 2:21:08 PM		VOC		1.453	1.453									
592-910760	7/10/2023 2:20:58 PM		VOC		1.457	1.457									
592-910760	7/10/2023 2:20:48 PM		VOC		1.45	1.45									
592-910760	7/10/2023 2:20:38 PM		VOC		1.446	1.446									
592-910760	7/10/2023 2:20:28 PM		VOC		1.439	1.439									
592-910760	7/10/2023 2:20:18 PM		VOC		1.438	1.438									
592-910760	7/10/2023 2:20:08 PM		VOC		1.435	1.435									
592-910760	7/10/2023 2:19:58 PM		VOC		1.432	1.432									
592-910760	7/10/2023 2:19:48 PM		VOC		1.426	1.426									
592-910760	7/10/2023 2:19:38 PM		VOC		1.424	1.424									
592-910760	7/10/2023 2:19:28 PM		VOC		1.424	1.424									
592-910760	7/10/2023 2:19:18 PM		VOC		1.423	1.423									
592-910760	7/10/2023 2:19:08 PM		VOC		1.425	1.425									
592-910760	7/10/2023 2:18:58 PM		VOC		1.418	1.418									
592-910760	7/10/2023 2:18:48 PM		VOC		1.416	1.416									
592-910760	7/10/2023 2:18:38 PM		VOC		1.407	1.407									
592-910760	7/10/2023 2:18:28 PM		VOC		1.406	1.406									
592-910760	7/10/2023 2:18:18 PM		VOC		1.407	1.407									
592-910760	7/10/2023 2:18:08 PM		VOC		1.401	1.401									
592-910760	7/10/2023 2:17:58 PM		VOC		1.4	1.4									

592-910760	7/10/2023 2:17:48 PM		VOC		1.4	1.4								
592-910760	7/10/2023 2:17:38 PM		VOC		1.402	1.402								
592-910760	7/10/2023 2:17:28 PM		VOC		1.402	1.402								
592-910760	7/10/2023 2:17:18 PM		VOC		1.404	1.404								
592-910760	7/10/2023 2:17:08 PM		VOC		1.413	1.413								
592-910760	7/10/2023 2:16:58 PM		VOC		1.449	1.449								
592-910760	7/10/2023 2:16:48 PM		VOC		1.648	1.648								
592-910760	7/10/2023 2:16:38 PM		VOC		1.474	1.474								
592-910760	7/10/2023 2:16:28 PM		VOC		1.348	1.348								
592-910760	7/10/2023 2:16:18 PM		VOC		1.349	1.349								
592-910760	7/10/2023 2:16:08 PM		VOC		1.342	1.342								
592-910760	7/10/2023 2:15:58 PM		VOC		1.335	1.335								
592-910760	7/10/2023 2:15:48 PM		VOC		1.336	1.336								
592-910760	7/10/2023 2:15:38 PM		VOC		1.329	1.329								
592-910760	7/10/2023 2:15:28 PM		VOC		1.327	1.327								
592-910760	7/10/2023 2:15:18 PM		VOC		1.327	1.327								
592-910760	7/10/2023 2:15:08 PM		VOC		1.322	1.322								
592-910760	7/10/2023 2:14:58 PM		VOC		1.315	1.315								
592-910760	7/10/2023 2:14:48 PM		VOC		1.31	1.31								
592-910760	7/10/2023 2:14:38 PM		VOC		1.309	1.309								
592-910760	7/10/2023 2:14:28 PM		VOC		1.304	1.304								
592-910760	7/10/2023 2:14:18 PM		VOC		1.297	1.297								
592-910760	7/10/2023 2:14:08 PM		VOC		1.3	1.3								
592-910760	7/10/2023 2:13:58 PM		VOC		1.298	1.298								
592-910760	7/10/2023 2:13:48 PM		VOC		1.288	1.288								
592-910760	7/10/2023 2:13:38 PM		VOC		1.287	1.287								
592-910760	7/10/2023 2:13:28 PM		VOC		1.282	1.282								
592-910760	7/10/2023 2:13:18 PM		VOC		1.279	1.279								
592-910760	7/10/2023 2:13:08 PM		VOC		1.277	1.277								
592-910760	7/10/2023 2:12:58 PM		VOC		1.276	1.276								
592-910760	7/10/2023 2:12:48 PM		VOC		1.273	1.273								
592-910760	7/10/2023 2:12:38 PM		VOC		1.268	1.268								
592-910760	7/10/2023 2:12:28 PM		VOC		1.261	1.261								
592-910760	7/10/2023 2:12:18 PM		VOC		1.254	1.254								
592-910760	7/10/2023 2:12:08 PM		VOC		1.274	1.274								
592-910760	7/10/2023 2:11:58 PM		VOC		1.261	1.261								
592-910760	7/10/2023 2:11:48 PM		VOC		1.26	1.26								
592-910760	7/10/2023 2:11:38 PM		VOC		1.282	1.282								
592-910760	7/10/2023 2:11:28 PM		VOC		1.31	1.31								
592-910760	7/10/2023 2:11:18 PM		VOC		1.232	1.232								
592-910760	7/10/2023 2:11:08 PM		VOC		1.224	1.224								
592-910760	7/10/2023 2:10:58 PM		VOC		1.224	1.224								
592-910760	7/10/2023 2:10:48 PM		VOC		1.219	1.219								
592-910760	7/10/2023 2:10:38 PM		VOC		1.208	1.208								
592-910760	7/10/2023 2:10:28 PM		VOC		1.205	1.205								
592-910760	7/10/2023 2:10:18 PM		VOC		1.202	1.202								
592-910760	7/10/2023 2:10:08 PM		VOC		1.202	1.202								
592-910760	7/10/2023 2:09:58 PM		VOC		1.197	1.197								
592-910760	7/10/2023 2:09:48 PM		VOC		1.189	1.189								
592-910760	7/10/2023 2:09:38 PM		VOC		1.185	1.185								
592-910760	7/10/2023 2:09:28 PM		VOC		1.186	1.186								
592-910760	7/10/2023 2:09:18 PM		VOC		1.18	1.18								
592-910760	7/10/2023 2:09:08 PM		VOC		1.175	1.175								
592-910760	7/10/2023 2:08:58 PM		VOC		1.175	1.175								
592-910760	7/10/2023 2:08:48 PM		VOC		1.167	1.167								
592-910760	7/10/2023 2:08:38 PM		VOC		1.169	1.169								
592-910760	7/10/2023 2:08:28 PM		VOC		1.166	1.166								
592-910760	7/10/2023 2:08:18 PM		VOC		1.16	1.16								
592-910760	7/10/2023 2:08:08 PM		VOC		1.159	1.159								
592-910760	7/10/2023 2:07:58 PM		VOC		1.16	1.16								
592-910760	7/10/2023 2:07:48 PM		VOC		1.151	1.151								
592-910760	7/10/2023 2:07:38 PM		VOC		1.167	1.167								
592-910760	7/10/2023 2:07:28 PM		VOC		1.154	1.154								
592-910760	7/10/2023 2:07:18 PM		VOC		1.152	1.152								
592-910760	7/10/2023 2:07:08 PM		VOC		1.157	1.157								
592-910760	7/10/2023 2:06:58 PM		VOC		1.153	1.153								
592-910760	7/10/2023 2:06:48 PM		VOC		1.156	1.156								
592-910760	7/10/2023 2:06:38 PM		VOC		1.168	1.168								
592-910760	7/10/2023 2:06:28 PM		VOC		1.164	1.164								
592-910760	7/10/2023 2:06:18 PM		VOC		1.167	1.167								
592-910760	7/10/2023 2:06:08 PM		VOC		1.162	1.162								
592-910760	7/10/2023 2:05:58 PM		VOC		1.16	1.16								
592-910760	7/10/2023 2:05:48 PM		VOC		1.059	1.059								
592-910760	7/10/2023 2:05:38 PM		VOC		1.127	1.127								
592-910760	7/10/2023 2:05:28 PM		VOC		1.159	1.159								
592-910760	7/10/2023 2:05:18 PM		VOC		1.158	1.158								
592-910760	7/10/2023 2:05:08 PM		VOC		1.154	1.154								
592-910760	7/10/2023 2:04:58 PM		VOC		1.149	1.149								
592-910760	7/10/2023 2:04:48 PM		VOC		1.148	1.148								
592-910760	7/10/2023 2:04:38 PM		VOC		1.151	1.151								
592-910760	7/10/2023 2:04:28 PM		VOC		1.149	1.149								
592-910760	7/10/2023 2:04:18 PM		VOC		1.145	1.145								
592-910760	7/10/2023 2:04:08 PM		VOC		1.146	1.146								
592-910760	7/10/2023 2:03:58 PM		VOC		1.146	1.146								
592-910760	7/10/2023 2:03:48 PM		VOC		1.147	1.147								
592-910760	7/10/2023 2:03:38 PM		VOC		1.142	1.142								
592-910760	7/10/2023 2:03:28 PM		VOC		1.139	1.139								
592-910760	7/10/2023 2:03:18 PM		VOC		1.137	1.137								
592-910760	7/10/2023 2:03:08 PM		VOC		1.13	1.13								
592-910760	7/10/2023 2:02:58 PM		VOC		1.137	1.137								
592-910760	7/10/2023 2:02:48 PM		VOC		1.141	1.141								
592-910760	7/10/2023 2:02:38 PM		VOC		1.142	1.142								
592-910760	7/10/2023 2:02:28 PM		VOC		1.141	1.141								
592-910760	7/10/2023 2:02:18 PM		VOC		1.137	1.137								
592-910760	7/10/2023 2:02:08 PM		VOC		1.141	1.141								
592-910760	7/10/2023 2:01:58 PM		VOC		1.137	1.137								
592-910760	7/10/2023 2:01:48 PM		VOC		1.134	1.134								
592-910760	7/10/2023 2:01:38 PM		VOC		1.127	1.127								
592-910760	7/10/2023 2:01:28 PM		VOC		1.123	1.123								
592-910760	7/10/2023 2:01:18 PM		VOC		1.135	1.135								
592-910760	7/10/2023 2:01:08 PM		VOC		1.173	1.173								

592-910760	7/10/2023 2:00:58 PM		VOC		1.123	1.123								
592-910760	7/10/2023 2:00:48 PM		VOC		1.115	1.115								
592-910760	7/10/2023 2:00:38 PM		VOC		1.11	1.11								
592-910760	7/10/2023 2:00:28 PM		VOC		1.107	1.107								
592-910760	7/10/2023 2:00:18 PM		VOC		1.101	1.101								
592-910760	7/10/2023 2:00:08 PM		VOC		1.098	1.098								
592-910760	7/10/2023 1:59:58 PM		VOC		1.095	1.095								
592-910760	7/10/2023 1:59:48 PM		VOC		1.094	1.094								
592-910760	7/10/2023 1:59:38 PM		VOC		1.09	1.09								
592-910760	7/10/2023 1:59:28 PM		VOC		1.082	1.082								
592-910760	7/10/2023 1:59:18 PM		VOC		1.077	1.077								
592-910760	7/10/2023 1:59:08 PM		VOC		1.073	1.073								
592-910760	7/10/2023 1:58:58 PM		VOC		1.066	1.066								
592-910760	7/10/2023 1:58:48 PM		VOC		1.066	1.066								
592-910760	7/10/2023 1:58:38 PM		VOC		1.063	1.063								
592-910760	7/10/2023 1:58:28 PM		VOC		1.063	1.063								
592-910760	7/10/2023 1:58:18 PM		VOC		1.058	1.058								
592-910760	7/10/2023 1:58:08 PM		VOC		1.068	1.068								
592-910760	7/10/2023 1:57:58 PM		VOC		1.054	1.054								
592-910760	7/10/2023 1:57:48 PM		VOC		1.052	1.052								
592-910760	7/10/2023 1:57:38 PM		VOC		1.056	1.056								
592-910760	7/10/2023 1:57:28 PM		VOC		0.997	0.997								
592-910760	7/10/2023 1:57:18 PM		VOC		1.072	1.072								
592-910760	7/10/2023 1:57:08 PM		VOC		1.021	1.021								
592-910760	7/10/2023 1:56:58 PM		VOC		1.017	1.017								
592-910760	7/10/2023 1:56:48 PM		VOC		1.02	1.02								
592-910760	7/10/2023 1:56:38 PM		VOC		1.016	1.016								
592-910760	7/10/2023 1:56:28 PM		VOC		1.012	1.012								
592-910760	7/10/2023 1:56:18 PM		VOC		1.012	1.012								
592-910760	7/10/2023 1:56:08 PM		VOC		1.011	1.011								
592-910760	7/10/2023 1:55:58 PM		VOC		1.005	1.005								
592-910760	7/10/2023 1:55:48 PM		VOC		1.0	1.0								
592-910760	7/10/2023 1:55:38 PM		VOC		0.999	0.999								
592-910760	7/10/2023 1:55:28 PM		VOC		0.998	0.998								
592-910760	7/10/2023 1:55:18 PM		VOC		0.991	0.991								
592-910760	7/10/2023 1:55:08 PM		VOC		0.988	0.988								
592-910760	7/10/2023 1:54:58 PM		VOC		0.988	0.988								
592-910760	7/10/2023 1:54:48 PM		VOC		0.981	0.981								
592-910760	7/10/2023 1:54:38 PM		VOC		0.981	0.981								
592-910760	7/10/2023 1:54:28 PM		VOC		0.979	0.979								
592-910760	7/10/2023 1:54:18 PM		VOC		0.971	0.971								
592-910760	7/10/2023 1:54:08 PM		VOC		0.964	0.964								
592-910760	7/10/2023 1:53:58 PM		VOC		0.963	0.963								
592-910760	7/10/2023 1:53:48 PM		VOC		0.96	0.96								
592-910760	7/10/2023 1:53:38 PM		VOC		0.964	0.964								
592-910760	7/10/2023 1:53:28 PM		VOC		0.968	0.968								
592-910760	7/10/2023 1:53:18 PM		VOC		0.968	0.968								
592-910760	7/10/2023 1:53:08 PM		VOC		0.966	0.966								
592-910760	7/10/2023 1:52:58 PM		VOC		0.964	0.964								
592-910760	7/10/2023 1:52:48 PM		VOC		0.958	0.958								
592-910760	7/10/2023 1:52:38 PM		VOC		0.96	0.96								
592-910760	7/10/2023 1:52:28 PM		VOC		0.965	0.965								
592-910760	7/10/2023 1:52:18 PM		VOC		0.964	0.964								
592-910760	7/10/2023 1:52:08 PM		VOC		0.962	0.962								
592-910760	7/10/2023 1:51:58 PM		VOC		0.958	0.958								
592-910760	7/10/2023 1:51:48 PM		VOC		0.956	0.956								
592-910760	7/10/2023 1:51:38 PM		VOC		0.949	0.949								
592-910760	7/10/2023 1:51:28 PM		VOC		0.943	0.943								
592-910760	7/10/2023 1:51:18 PM		VOC		0.942	0.942								
592-910760	7/10/2023 1:51:08 PM		VOC		0.941	0.941								
592-910760	7/10/2023 1:50:58 PM		VOC		0.937	0.937								
592-910760	7/10/2023 1:50:48 PM		VOC		0.936	0.936								
592-910760	7/10/2023 1:50:38 PM		VOC		0.931	0.931								
592-910760	7/10/2023 1:50:28 PM		VOC		0.929	0.929								
592-910760	7/10/2023 1:50:18 PM		VOC		0.928	0.928								
592-910760	7/10/2023 1:50:08 PM		VOC		0.926	0.926								
592-910760	7/10/2023 1:49:58 PM		VOC		0.924	0.924								
592-910760	7/10/2023 1:49:48 PM		VOC		0.92	0.92								
592-910760	7/10/2023 1:49:38 PM		VOC		0.919	0.919								
592-910760	7/10/2023 1:49:28 PM		VOC		0.916	0.916								
592-910760	7/10/2023 1:49:18 PM		VOC		0.916	0.916								
592-910760	7/10/2023 1:49:08 PM		VOC		0.915	0.915								
592-910760	7/10/2023 1:48:58 PM		VOC		0.915	0.915								
592-910760	7/10/2023 1:48:48 PM		VOC		0.919	0.919								
592-910760	7/10/2023 1:48:38 PM		VOC		0.919	0.919								
592-910760	7/10/2023 1:48:28 PM		VOC		0.912	0.912								
592-910760	7/10/2023 1:48:18 PM		VOC		0.911	0.911								
592-910760	7/10/2023 1:48:08 PM		VOC		0.91	0.91								
592-910760	7/10/2023 1:47:58 PM		VOC		0.919	0.919								
592-910760	7/10/2023 1:47:48 PM		VOC		0.921	0.921								
592-910760	7/10/2023 1:47:38 PM		VOC		0.92	0.92								
592-910760	7/10/2023 1:47:28 PM		VOC		0.916	0.916								
592-910760	7/10/2023 1:47:18 PM		VOC		0.917	0.917								
592-910760	7/10/2023 1:47:08 PM		VOC		0.918	0.918								
592-910760	7/10/2023 1:46:58 PM		VOC		0.911	0.911								
592-910760	7/10/2023 1:46:48 PM		VOC		0.916	0.916								
592-910760	7/10/2023 1:46:38 PM		VOC		0.916	0.916								
592-910760	7/10/2023 1:46:28 PM		VOC		0.916	0.916								
592-910760	7/10/2023 1:46:18 PM		VOC		0.916	0.916								
592-910760	7/10/2023 1:46:08 PM		VOC		0.918	0.918								
592-910760	7/10/2023 1:45:58 PM		VOC		0.916	0.916								
592-910760	7/10/2023 1:45:48 PM		VOC		0.921	0.921								
592-910760	7/10/2023 1:45:38 PM		VOC		0.919	0.919								
592-910760	7/10/2023 1:45:28 PM		VOC		0.917	0.917								
592-910760	7/10/2023 1:45:18 PM		VOC		0.916	0.916								
592-910760	7/10/2023 1:45:08 PM		VOC		0.916	0.916								
592-910760	7/10/2023 1:44:58 PM		VOC		0.916	0.916								
592-910760	7/10/2023 1:44:48 PM		VOC		0.912	0.912								
592-910760	7/10/2023 1:44:38 PM		VOC		0.911	0.911								
592-910760	7/10/2023 1:44:28 PM		VOC		0.914	0.914								
592-910760	7/10/2023 1:44:18 PM		VOC		0.913	0.913								

592-910760	7/10/2023 1:44:08 PM		VOC		0.911	0.911								
592-910760	7/10/2023 1:43:58 PM		VOC		0.911	0.911								
592-910760	7/10/2023 1:43:48 PM		VOC		0.91	0.91								
592-910760	7/10/2023 1:43:38 PM		VOC		0.908	0.908								
592-910760	7/10/2023 1:43:28 PM		VOC		0.907	0.907								
592-910760	7/10/2023 1:43:18 PM		VOC		0.905	0.905								
592-910760	7/10/2023 1:43:08 PM		VOC		0.906	0.906								
592-910760	7/10/2023 1:42:58 PM		VOC		0.904	0.904								
592-910760	7/10/2023 1:42:48 PM		VOC		0.896	0.896								
592-910760	7/10/2023 1:42:38 PM		VOC		0.91	0.91								
592-910760	7/10/2023 1:42:28 PM		VOC		0.908	0.908								
592-910760	7/10/2023 1:42:18 PM		VOC		0.903	0.903								
592-910760	7/10/2023 1:42:08 PM		VOC		0.9	0.9								
592-910760	7/10/2023 1:41:58 PM		VOC		0.901	0.901								
592-910760	7/10/2023 1:41:48 PM		VOC		0.889	0.889								
592-910760	7/10/2023 1:41:38 PM		VOC		0.905	0.905								
592-910760	7/10/2023 1:41:28 PM		VOC		0.911	0.911								
592-910760	7/10/2023 1:41:18 PM		VOC		0.907	0.907								
592-910760	7/10/2023 1:41:08 PM		VOC		0.905	0.905								
592-910760	7/10/2023 1:40:58 PM		VOC		0.904	0.904								
592-910760	7/10/2023 1:40:48 PM		VOC		0.902	0.902								
592-910760	7/10/2023 1:40:38 PM		VOC		0.899	0.899								
592-910760	7/10/2023 1:40:28 PM		VOC		0.896	0.896								
592-910760	7/10/2023 1:40:18 PM		VOC		0.896	0.896								
592-910760	7/10/2023 1:40:08 PM		VOC		0.898	0.898								
592-910760	7/10/2023 1:39:58 PM		VOC		0.904	0.904								
592-910760	7/10/2023 1:39:48 PM		VOC		0.9	0.9								
592-910760	7/10/2023 1:39:38 PM		VOC		0.912	0.912								
592-910760	7/10/2023 1:39:28 PM		VOC		0.9	0.9								
592-910760	7/10/2023 1:39:18 PM		VOC		0.898	0.898								
592-910760	7/10/2023 1:39:08 PM		VOC		0.903	0.903								
592-910760	7/10/2023 1:38:58 PM		VOC		0.902	0.902								
592-910760	7/10/2023 1:38:48 PM		VOC		0.901	0.901								
592-910760	7/10/2023 1:38:38 PM		VOC		0.903	0.903								
592-910760	7/10/2023 1:38:28 PM		VOC		0.899	0.899								
592-910760	7/10/2023 1:38:18 PM		VOC		0.895	0.895								
592-910760	7/10/2023 1:38:08 PM		VOC		0.911	0.911								
592-910760	7/10/2023 1:37:58 PM		VOC		0.898	0.898								
592-910760	7/10/2023 1:37:48 PM		VOC		0.894	0.894								
592-910760	7/10/2023 1:37:38 PM		VOC		0.885	0.885								
592-910760	7/10/2023 1:37:28 PM		VOC		0.65	0.65								
592-910760	7/10/2023 1:37:18 PM		VOC		0.899	0.899								
592-910760	7/10/2023 1:37:08 PM		VOC		0.915	0.915								
592-910760	7/10/2023 1:36:58 PM		VOC		0.914	0.914								
592-910760	7/10/2023 1:36:48 PM		VOC		0.907	0.907								
592-910760	7/10/2023 1:36:38 PM		VOC		0.908	0.908								
592-910760	7/10/2023 1:36:28 PM		VOC		0.906	0.906								
592-910760	7/10/2023 1:36:18 PM		VOC		0.906	0.906								
592-910760	7/10/2023 1:36:08 PM		VOC		0.904	0.904								
592-910760	7/10/2023 1:35:58 PM		VOC		0.905	0.905								
592-910760	7/10/2023 1:35:48 PM		VOC		0.902	0.902								
592-910760	7/10/2023 1:35:38 PM		VOC		0.898	0.898								
592-910760	7/10/2023 1:35:28 PM		VOC		0.899	0.899								
592-910760	7/10/2023 1:35:18 PM		VOC		0.901	0.901								
592-910760	7/10/2023 1:35:08 PM		VOC		0.898	0.898								
592-910760	7/10/2023 1:34:58 PM		VOC		0.894	0.894								
592-910760	7/10/2023 1:34:48 PM		VOC		0.893	0.893								
592-910760	7/10/2023 1:34:38 PM		VOC		0.891	0.891								
592-910760	7/10/2023 1:34:28 PM		VOC		0.889	0.889								
592-910760	7/10/2023 1:34:18 PM		VOC		0.887	0.887								
592-910760	7/10/2023 1:34:08 PM		VOC		0.888	0.888								
592-910760	7/10/2023 1:33:58 PM		VOC		0.886	0.886								
592-910760	7/10/2023 1:33:48 PM		VOC		0.886	0.886								
592-910760	7/10/2023 1:33:38 PM		VOC		0.885	0.885								
592-910760	7/10/2023 1:33:28 PM		VOC		0.879	0.879								
592-910760	7/10/2023 1:33:18 PM		VOC		0.881	0.881								
592-910760	7/10/2023 1:33:08 PM		VOC		0.882	0.882								
592-910760	7/10/2023 1:32:58 PM		VOC		0.88	0.88								
592-910760	7/10/2023 1:32:48 PM		VOC		0.879	0.879								
592-910760	7/10/2023 1:32:38 PM		VOC		0.885	0.885								
592-910760	7/10/2023 1:32:28 PM		VOC		0.888	0.888								
592-910760	7/10/2023 1:32:18 PM		VOC		0.887	0.887								
592-910760	7/10/2023 1:32:08 PM		VOC		0.886	0.886								
592-910760	7/10/2023 1:31:58 PM		VOC		0.88	0.88								
592-910760	7/10/2023 1:31:48 PM		VOC		0.886	0.886								
592-910760	7/10/2023 1:31:38 PM		VOC		0.886	0.886								
592-910760	7/10/2023 1:31:28 PM		VOC		0.889	0.889								
592-910760	7/10/2023 1:31:18 PM		VOC		0.886	0.886								
592-910760	7/10/2023 1:31:08 PM		VOC		0.883	0.883								
592-910760	7/10/2023 1:30:58 PM		VOC		0.88	0.88								
592-910760	7/10/2023 1:30:48 PM		VOC		0.89	0.89								
592-910760	7/10/2023 1:30:38 PM		VOC		0.894	0.894								
592-910760	7/10/2023 1:30:28 PM		VOC		0.899	0.899								
592-910760	7/10/2023 1:30:18 PM		VOC		0.903	0.903								
592-910760	7/10/2023 1:30:08 PM		VOC		0.904	0.904								
592-910760	7/10/2023 1:29:58 PM		VOC		0.908	0.908								
592-910760	7/10/2023 1:29:48 PM		VOC		0.909	0.909								
592-910760	7/10/2023 1:29:38 PM		VOC		0.914	0.914								
592-910760	7/10/2023 1:29:28 PM		VOC		0.909	0.909								
592-910760	7/10/2023 1:29:18 PM		VOC		0.906	0.906								
592-910760	7/10/2023 1:29:08 PM		VOC		0.91	0.91								
592-910760	7/10/2023 1:28:58 PM		VOC		0.912	0.912								
592-910760	7/10/2023 1:28:48 PM		VOC		0.915	0.915								
592-910760	7/10/2023 1:28:38 PM		VOC		0.911	0.911								
592-910760	7/10/2023 1:28:28 PM		VOC		0.91	0.91								
592-910760	7/10/2023 1:28:18 PM		VOC		0.908	0.908								
592-910760	7/10/2023 1:28:08 PM		VOC		0.905	0.905								
592-910760	7/10/2023 1:27:58 PM		VOC		0.901	0.901								
592-910760	7/10/2023 1:27:48 PM		VOC		0.909	0.909								
592-910760	7/10/2023 1:27:38 PM		VOC		0.906	0.906								
592-910760	7/10/2023 1:27:28 PM		VOC		0.905	0.905								

592-910760	7/10/2023 1:27:18 PM		VOC		0.907	0.907								
592-910760	7/10/2023 1:27:08 PM		VOC		0.903	0.903								
592-910760	7/10/2023 1:26:58 PM		VOC		0.906	0.906								
592-910760	7/10/2023 1:26:48 PM		VOC		0.909	0.909								
592-910760	7/10/2023 1:26:38 PM		VOC		0.909	0.909								
592-910760	7/10/2023 1:26:28 PM		VOC		0.907	0.907								
592-910760	7/10/2023 1:26:18 PM		VOC		0.904	0.904								
592-910760	7/10/2023 1:26:08 PM		VOC		0.905	0.905								
592-910760	7/10/2023 1:25:58 PM		VOC		0.909	0.909								
592-910760	7/10/2023 1:25:48 PM		VOC		0.904	0.904								
592-910760	7/10/2023 1:25:38 PM		VOC		0.903	0.903								
592-910760	7/10/2023 1:25:28 PM		VOC		0.907	0.907								
592-910760	7/10/2023 1:25:18 PM		VOC		0.904	0.904								
592-910760	7/10/2023 1:25:08 PM		VOC		0.906	0.906								
592-910760	7/10/2023 1:24:58 PM		VOC		0.905	0.905								
592-910760	7/10/2023 1:24:48 PM		VOC		0.905	0.905								
592-910760	7/10/2023 1:24:38 PM		VOC		0.904	0.904								
592-910760	7/10/2023 1:24:28 PM		VOC		0.903	0.903								
592-910760	7/10/2023 1:24:18 PM		VOC		0.902	0.902								
592-910760	7/10/2023 1:24:08 PM		VOC		0.9	0.9								
592-910760	7/10/2023 1:23:58 PM		VOC		0.902	0.902								
592-910760	7/10/2023 1:23:48 PM		VOC		0.902	0.902								
592-910760	7/10/2023 1:23:38 PM		VOC		0.899	0.899								
592-910760	7/10/2023 1:23:28 PM		VOC		0.895	0.895								
592-910760	7/10/2023 1:23:18 PM		VOC		0.899	0.899								
592-910760	7/10/2023 1:23:08 PM		VOC		0.899	0.899								
592-910760	7/10/2023 1:22:58 PM		VOC		0.896	0.896								
592-910760	7/10/2023 1:22:48 PM		VOC		0.898	0.898								
592-910760	7/10/2023 1:22:38 PM		VOC		0.894	0.894								
592-910760	7/10/2023 1:22:28 PM		VOC		0.896	0.896								
592-910760	7/10/2023 1:22:18 PM		VOC		0.898	0.898								
592-910760	7/10/2023 1:22:08 PM		VOC		0.893	0.893								
592-910760	7/10/2023 1:21:58 PM		VOC		0.891	0.891								
592-910760	7/10/2023 1:21:48 PM		VOC		0.888	0.888								
592-910760	7/10/2023 1:21:38 PM		VOC		0.888	0.888								
592-910760	7/10/2023 1:21:28 PM		VOC		0.893	0.893								
592-910760	7/10/2023 1:21:18 PM		VOC		0.895	0.895								
592-910760	7/10/2023 1:21:08 PM		VOC		0.892	0.892								
592-910760	7/10/2023 1:20:58 PM		VOC		0.89	0.89								
592-910760	7/10/2023 1:20:48 PM		VOC		0.89	0.89								
592-910760	7/10/2023 1:20:38 PM		VOC		0.887	0.887								
592-910760	7/10/2023 1:20:28 PM		VOC		0.881	0.881								
592-910760	7/10/2023 1:20:18 PM		VOC		0.886	0.886								
592-910760	7/10/2023 1:20:08 PM		VOC		0.883	0.883								
592-910760	7/10/2023 1:19:58 PM		VOC		0.881	0.881								
592-910760	7/10/2023 1:19:48 PM		VOC		0.882	0.882								
592-910760	7/10/2023 1:19:38 PM		VOC		0.849	0.849								
592-910760	7/10/2023 1:19:28 PM		VOC		0.881	0.881								
592-910760	7/10/2023 1:19:18 PM		VOC		0.888	0.888								
592-910760	7/10/2023 1:19:08 PM		VOC		0.892	0.892								
592-910760	7/10/2023 1:18:58 PM		VOC		0.891	0.891								
592-910760	7/10/2023 1:18:48 PM		VOC		0.89	0.89								
592-910760	7/10/2023 1:18:38 PM		VOC		0.89	0.89								
592-910760	7/10/2023 1:18:28 PM		VOC		0.888	0.888								
592-910760	7/10/2023 1:18:18 PM		VOC		0.888	0.888								
592-910760	7/10/2023 1:18:08 PM		VOC		0.891	0.891								
592-910760	7/10/2023 1:17:58 PM		VOC		0.888	0.888								
592-910760	7/10/2023 1:17:48 PM		VOC		0.888	0.888								
592-910760	7/10/2023 1:17:38 PM		VOC		0.893	0.893								
592-910760	7/10/2023 1:17:28 PM		VOC		0.892	0.892								
592-910760	7/10/2023 1:17:18 PM		VOC		0.891	0.891								
592-910760	7/10/2023 1:17:08 PM		VOC		0.893	0.893								
592-910760	7/10/2023 1:16:58 PM		VOC		0.895	0.895								
592-910760	7/10/2023 1:16:48 PM		VOC		0.89	0.89								
592-910760	7/10/2023 1:16:38 PM		VOC		0.892	0.892								
592-910760	7/10/2023 1:16:28 PM		VOC		0.894	0.894								
592-910760	7/10/2023 1:16:18 PM		VOC		0.891	0.891								
592-910760	7/10/2023 1:16:08 PM		VOC		0.886	0.886								
592-910760	7/10/2023 1:15:58 PM		VOC		0.89	0.89								
592-910760	7/10/2023 1:15:48 PM		VOC		0.893	0.893								
592-910760	7/10/2023 1:15:38 PM		VOC		0.895	0.895								
592-910760	7/10/2023 1:15:28 PM		VOC		0.894	0.894								
592-910760	7/10/2023 1:15:18 PM		VOC		0.901	0.901								
592-910760	7/10/2023 1:15:08 PM		VOC		0.903	0.903								
592-910760	7/10/2023 1:14:58 PM		VOC		0.909	0.909								
592-910760	7/10/2023 1:14:48 PM		VOC		0.869	0.869								
592-910760	7/10/2023 1:14:38 PM		VOC		0.912	0.912								
592-910760	7/10/2023 1:14:28 PM		VOC		0.912	0.912								
592-910760	7/10/2023 1:14:18 PM		VOC		0.913	0.913								
592-910760	7/10/2023 1:14:08 PM		VOC		0.916	0.916								
592-910760	7/10/2023 1:13:58 PM		VOC		0.915	0.915								
592-910760	7/10/2023 1:13:48 PM		VOC		0.917	0.917								
592-910760	7/10/2023 1:13:38 PM		VOC		0.912	0.912								
592-910760	7/10/2023 1:13:28 PM		VOC		0.915	0.915								
592-910760	7/10/2023 1:13:18 PM		VOC		0.915	0.915								
592-910760	7/10/2023 1:13:08 PM		VOC		0.916	0.916								
592-910760	7/10/2023 1:12:58 PM		VOC		0.912	0.912								
592-910760	7/10/2023 1:12:48 PM		VOC		0.825	0.825								
592-910760	7/10/2023 1:12:38 PM		VOC		0.913	0.913								
592-910760	7/10/2023 1:12:28 PM		VOC		0.915	0.915								
592-910760	7/10/2023 1:12:18 PM		VOC		0.784	0.784								
592-910760	7/10/2023 1:12:08 PM		VOC		0.927	0.927								
592-910760	7/10/2023 1:11:58 PM		VOC		0.933	0.933								
592-910760	7/10/2023 1:11:48 PM		VOC		0.931	0.931								
592-910760	7/10/2023 1:11:38 PM		VOC		0.932	0.932								
592-910760	7/10/2023 1:11:28 PM		VOC		0.937	0.937								
592-910760	7/10/2023 1:11:18 PM		VOC		0.939	0.939								
592-910760	7/10/2023 1:11:08 PM		VOC		0.939	0.939								
592-910760	7/10/2023 1:10:58 PM		VOC		0.943	0.943								
592-910760	7/10/2023 1:10:48 PM		VOC		0.941	0.941								
592-910760	7/10/2023 1:10:38 PM		VOC		0.94	0.94								

592-910760	7/10/2023 1:10:28 PM		VOC		0.94	0.94								
592-910760	7/10/2023 1:10:18 PM		VOC		0.937	0.937								
592-910760	7/10/2023 1:10:08 PM		VOC		0.939	0.939								
592-910760	7/10/2023 1:09:58 PM		VOC		0.846	0.846								
592-910760	7/10/2023 1:09:48 PM		VOC		0.952	0.952								
592-910760	7/10/2023 1:09:38 PM		VOC		0.955	0.955								
592-910760	7/10/2023 1:09:28 PM		VOC		0.954	0.954								
592-910760	7/10/2023 1:09:18 PM		VOC		0.953	0.953								
592-910760	7/10/2023 1:09:08 PM		VOC		0.956	0.956								
592-910760	7/10/2023 1:08:58 PM		VOC		0.961	0.961								
592-910760	7/10/2023 1:08:48 PM		VOC		0.964	0.964								
592-910760	7/10/2023 1:08:38 PM		VOC		0.972	0.972								
592-910760	7/10/2023 1:08:28 PM		VOC		0.976	0.976								
592-910760	7/10/2023 1:08:18 PM		VOC		0.979	0.979								
592-910760	7/10/2023 1:08:08 PM		VOC		0.98	0.98								
592-910760	7/10/2023 1:07:58 PM		VOC		0.983	0.983								
592-910760	7/10/2023 1:07:48 PM		VOC		0.982	0.982								
592-910760	7/10/2023 1:07:38 PM		VOC		0.981	0.981								
592-910760	7/10/2023 1:07:28 PM		VOC		0.983	0.983								
592-910760	7/10/2023 1:07:18 PM		VOC		0.992	0.992								
592-910760	7/10/2023 1:07:08 PM		VOC		0.995	0.995								
592-910760	7/10/2023 1:06:58 PM		VOC		0.999	0.999								
592-910760	7/10/2023 1:06:48 PM		VOC		0.993	0.993								
592-910760	7/10/2023 1:06:38 PM		VOC		1.015	1.015								
592-910760	7/10/2023 1:06:28 PM		VOC		1.017	1.017								
592-910760	7/10/2023 1:06:18 PM		VOC		1.02	1.02								
592-910760	7/10/2023 1:06:08 PM		VOC		1.022	1.022								
592-910760	7/10/2023 1:05:58 PM		VOC		1.028	1.028								
592-910760	7/10/2023 1:05:48 PM		VOC		1.033	1.033								
592-910760	7/10/2023 1:05:38 PM		VOC		1.032	1.032								
592-910760	7/10/2023 1:05:28 PM		VOC		1.036	1.036								
592-910760	7/10/2023 1:05:18 PM		VOC		1.038	1.038								
592-910760	7/10/2023 1:05:08 PM		VOC		1.041	1.041								
592-910760	7/10/2023 1:04:58 PM		VOC		1.037	1.037								
592-910760	7/10/2023 1:04:48 PM		VOC		1.034	1.034								
592-910760	7/10/2023 1:04:38 PM		VOC		1.035	1.035								
592-910760	7/10/2023 1:04:28 PM		VOC		1.04	1.04								
592-910760	7/10/2023 1:04:18 PM		VOC		1.04	1.04								
592-910760	7/10/2023 1:04:08 PM		VOC		1.037	1.037								
592-910760	7/10/2023 1:03:58 PM		VOC		1.035	1.035								
592-910760	7/10/2023 1:03:48 PM		VOC		1.039	1.039								
592-910760	7/10/2023 1:03:38 PM		VOC		1.034	1.034								
592-910760	7/10/2023 1:03:28 PM		VOC		1.031	1.031								
592-910760	7/10/2023 1:03:18 PM		VOC		1.02	1.02								
592-910760	7/10/2023 1:03:08 PM		VOC		0.863	0.863								
592-910760	7/10/2023 1:02:58 PM		VOC		1.037	1.037								
592-910760	7/10/2023 1:02:48 PM		VOC		1.038	1.038								
592-910760	7/10/2023 1:02:38 PM		VOC		1.044	1.044								
592-910760	7/10/2023 1:02:28 PM		VOC		1.032	1.032								
592-910760	7/10/2023 1:02:18 PM		VOC		1.049	1.049								
592-910760	7/10/2023 1:02:08 PM		VOC		1.047	1.047								
592-910760	7/10/2023 1:01:58 PM		VOC		1.048	1.048								
592-910760	7/10/2023 1:01:48 PM		VOC		1.048	1.048								
592-910760	7/10/2023 1:01:38 PM		VOC		1.048	1.048								
592-910760	7/10/2023 1:01:28 PM		VOC		1.047	1.047								
592-910760	7/10/2023 1:01:18 PM		VOC		1.044	1.044								
592-910760	7/10/2023 1:01:08 PM		VOC		1.044	1.044								
592-910760	7/10/2023 1:00:58 PM		VOC		1.043	1.043								
592-910760	7/10/2023 1:00:48 PM		VOC		1.047	1.047								
592-910760	7/10/2023 1:00:38 PM		VOC		1.046	1.046								
592-910760	7/10/2023 1:00:28 PM		VOC		1.047	1.047								
592-910760	7/10/2023 1:00:18 PM		VOC		1.046	1.046								
592-910760	7/10/2023 1:00:08 PM		VOC		1.045	1.045								
592-910760	7/10/2023 12:59:58 PM		VOC		1.045	1.045								
592-910760	7/10/2023 12:59:48 PM		VOC		1.041	1.041								
592-910760	7/10/2023 12:59:38 PM		VOC		1.044	1.044								
592-910760	7/10/2023 12:59:28 PM		VOC		1.034	1.034								
592-910760	7/10/2023 12:59:18 PM		VOC		1.046	1.046								
592-910760	7/10/2023 12:59:08 PM		VOC		1.04	1.04								
592-910760	7/10/2023 12:58:58 PM		VOC		1.041	1.041								
592-910760	7/10/2023 12:58:48 PM		VOC		1.038	1.038								
592-910760	7/10/2023 12:58:38 PM		VOC		1.041	1.041								
592-910760	7/10/2023 12:58:28 PM		VOC		1.039	1.039								
592-910760	7/10/2023 12:58:18 PM		VOC		1.039	1.039								
592-910760	7/10/2023 12:58:08 PM		VOC		1.034	1.034								
592-910760	7/10/2023 12:57:58 PM		VOC		1.037	1.037								
592-910760	7/10/2023 12:57:48 PM		VOC		1.035	1.035								
592-910760	7/10/2023 12:57:38 PM		VOC		1.037	1.037								
592-910760	7/10/2023 12:57:28 PM		VOC		1.036	1.036								
592-910760	7/10/2023 12:57:18 PM		VOC		1.035	1.035								
592-910760	7/10/2023 12:57:08 PM		VOC		1.028	1.028								
592-910760	7/10/2023 12:56:58 PM		VOC		1.027	1.027								
592-910760	7/10/2023 12:56:48 PM		VOC		1.028	1.028								
592-910760	7/10/2023 12:56:38 PM		VOC		1.029	1.029								
592-910760	7/10/2023 12:56:28 PM		VOC		1.03	1.03								
592-910760	7/10/2023 12:56:18 PM		VOC		1.028	1.028								
592-910760	7/10/2023 12:56:08 PM		VOC		1.025	1.025								
592-910760	7/10/2023 12:55:58 PM		VOC		1.024	1.024								
592-910760	7/10/2023 12:55:48 PM		VOC		1.023	1.023								
592-910760	7/10/2023 12:55:38 PM		VOC		1.021	1.021								
592-910760	7/10/2023 12:55:28 PM		VOC		1.024	1.024								
592-910760	7/10/2023 12:55:18 PM		VOC		1.027	1.027								
592-910760	7/10/2023 12:55:08 PM		VOC		1.02	1.02								
592-910760	7/10/2023 12:54:58 PM		VOC		1.018	1.018								
592-910760	7/10/2023 12:54:48 PM		VOC		1.02	1.02								
592-910760	7/10/2023 12:54:38 PM		VOC		1.017	1.017								
592-910760	7/10/2023 12:54:28 PM		VOC		1.018	1.018								
592-910760	7/10/2023 12:54:18 PM		VOC		1.016	1.016								
592-910760	7/10/2023 12:54:08 PM		VOC		1.015	1.015								
592-910760	7/10/2023 12:53:58 PM		VOC		1.015	1.015								
592-910760	7/10/2023 12:53:48 PM		VOC		1.015	1.015								

592-910760	7/10/2023 12:53:38 PM		VOC		1.014	1.014								
592-910760	7/10/2023 12:53:28 PM		VOC		1.014	1.014								
592-910760	7/10/2023 12:53:18 PM		VOC		1.013	1.013								
592-910760	7/10/2023 12:53:08 PM		VOC		1.014	1.014								
592-910760	7/10/2023 12:52:58 PM		VOC		1.006	1.006								
592-910760	7/10/2023 12:52:48 PM		VOC		1.003	1.003								
592-910760	7/10/2023 12:52:38 PM		VOC		1.003	1.003								
592-910760	7/10/2023 12:52:28 PM		VOC		1.005	1.005								
592-910760	7/10/2023 12:52:18 PM		VOC		0.99	0.99								
592-910760	7/10/2023 12:52:08 PM		VOC		1.006	1.006								
592-910760	7/10/2023 12:51:58 PM		VOC		1.012	1.012								
592-910760	7/10/2023 12:51:48 PM		VOC		1.008	1.008								
592-910760	7/10/2023 12:51:38 PM		VOC		1.009	1.009								
592-910760	7/10/2023 12:51:28 PM		VOC		1.01	1.01								
592-910760	7/10/2023 12:51:18 PM		VOC		1.005	1.005								
592-910760	7/10/2023 12:51:08 PM		VOC		0.999	0.999								
592-910760	7/10/2023 12:50:58 PM		VOC		0.997	0.997								
592-910760	7/10/2023 12:50:48 PM		VOC		0.998	0.998								
592-910760	7/10/2023 12:50:38 PM		VOC		0.995	0.995								
592-910760	7/10/2023 12:50:28 PM		VOC		1.0	1.0								
592-910760	7/10/2023 12:50:18 PM		VOC		0.998	0.998								
592-910760	7/10/2023 12:50:08 PM		VOC		0.999	0.999								
592-910760	7/10/2023 12:49:58 PM		VOC		0.999	0.999								
592-910760	7/10/2023 12:49:48 PM		VOC		1.002	1.002								
592-910760	7/10/2023 12:49:38 PM		VOC		1.012	1.012								
592-910760	7/10/2023 12:49:28 PM		VOC		1.019	1.019								
592-910760	7/10/2023 12:49:18 PM		VOC		1.009	1.009								
592-910760	7/10/2023 12:49:08 PM		VOC		0.994	0.994								
592-910760	7/10/2023 12:48:58 PM		VOC		0.996	0.996								
592-910760	7/10/2023 12:48:48 PM		VOC		0.993	0.993								
592-910760	7/10/2023 12:48:38 PM		VOC		1.0	1.0								
592-910760	7/10/2023 12:48:28 PM		VOC		1.001	1.001								
592-910760	7/10/2023 12:48:18 PM		VOC		0.999	0.999								
592-910760	7/10/2023 12:48:08 PM		VOC		0.999	0.999								
592-910760	7/10/2023 12:47:58 PM		VOC		0.998	0.998								
592-910760	7/10/2023 12:47:48 PM		VOC		0.919	0.919								
592-910760	7/10/2023 12:47:38 PM		VOC		0.981	0.981								
592-910760	7/10/2023 12:47:28 PM		VOC		1.011	1.011								
592-910760	7/10/2023 12:47:18 PM		VOC		1.014	1.014								
592-910760	7/10/2023 12:47:08 PM		VOC		1.01	1.01								
592-910760	7/10/2023 12:46:58 PM		VOC		1.017	1.017								
592-910760	7/10/2023 12:46:48 PM		VOC		1.022	1.022								
592-910760	7/10/2023 12:46:38 PM		VOC		1.022	1.022								
592-910760	7/10/2023 12:46:28 PM		VOC		1.021	1.021								
592-910760	7/10/2023 12:46:18 PM		VOC		1.022	1.022								
592-910760	7/10/2023 12:46:08 PM		VOC		1.021	1.021								
592-910760	7/10/2023 12:45:58 PM		VOC		1.024	1.024								
592-910760	7/10/2023 12:45:48 PM		VOC		1.018	1.018								
592-910760	7/10/2023 12:45:38 PM		VOC		1.018	1.018								
592-910760	7/10/2023 12:45:28 PM		VOC		0.989	0.989								
592-910760	7/10/2023 12:45:18 PM		VOC		1.017	1.017								
592-910760	7/10/2023 12:45:08 PM		VOC		1.024	1.024								
592-910760	7/10/2023 12:44:58 PM		VOC		1.027	1.027								
592-910760	7/10/2023 12:44:48 PM		VOC		1.031	1.031								
592-910760	7/10/2023 12:44:38 PM		VOC		1.034	1.034								
592-910760	7/10/2023 12:44:28 PM		VOC		1.035	1.035								
592-910760	7/10/2023 12:44:18 PM		VOC		1.039	1.039								
592-910760	7/10/2023 12:44:08 PM		VOC		1.042	1.042								
592-910760	7/10/2023 12:43:58 PM		VOC		1.044	1.044								
592-910760	7/10/2023 12:43:48 PM		VOC		1.044	1.044								
592-910760	7/10/2023 12:43:38 PM		VOC		1.042	1.042								
592-910760	7/10/2023 12:43:28 PM		VOC		1.039	1.039								
592-910760	7/10/2023 12:43:18 PM		VOC		1.046	1.046								
592-910760	7/10/2023 12:43:08 PM		VOC		1.043	1.043								
592-910760	7/10/2023 12:42:58 PM		VOC		1.041	1.041								
592-910760	7/10/2023 12:42:48 PM		VOC		1.045	1.045								
592-910760	7/10/2023 12:42:38 PM		VOC		1.045	1.045								
592-910760	7/10/2023 12:42:28 PM		VOC		1.047	1.047								
592-910760	7/10/2023 12:42:18 PM		VOC		1.041	1.041								
592-910760	7/10/2023 12:42:08 PM		VOC		1.045	1.045								
592-910760	7/10/2023 12:41:58 PM		VOC		1.044	1.044								
592-910760	7/10/2023 12:41:48 PM		VOC		1.049	1.049								
592-910760	7/10/2023 12:41:38 PM		VOC		1.05	1.05								
592-910760	7/10/2023 12:41:28 PM		VOC		1.05	1.05								
592-910760	7/10/2023 12:41:18 PM		VOC		1.047	1.047								
592-910760	7/10/2023 12:41:08 PM		VOC		1.027	1.027								
592-910760	7/10/2023 12:40:58 PM		VOC		1.053	1.053								
592-910760	7/10/2023 12:40:48 PM		VOC		1.055	1.055								
592-910760	7/10/2023 12:40:38 PM		VOC		1.059	1.059								
592-910760	7/10/2023 12:40:28 PM		VOC		1.056	1.056								
592-910760	7/10/2023 12:40:18 PM		VOC		1.058	1.058								
592-910760	7/10/2023 12:40:08 PM		VOC		1.055	1.055								
592-910760	7/10/2023 12:39:58 PM		VOC		1.055	1.055								
592-910760	7/10/2023 12:39:48 PM		VOC		1.057	1.057								
592-910760	7/10/2023 12:39:38 PM		VOC		1.056	1.056								
592-910760	7/10/2023 12:39:28 PM		VOC		1.054	1.054								
592-910760	7/10/2023 12:39:18 PM		VOC		1.054	1.054								
592-910760	7/10/2023 12:39:08 PM		VOC		1.058	1.058								
592-910760	7/10/2023 12:38:58 PM		VOC		1.059	1.059								
592-910760	7/10/2023 12:38:48 PM		VOC		1.055	1.055								
592-910760	7/10/2023 12:38:38 PM		VOC		1.058	1.058								
592-910760	7/10/2023 12:38:28 PM		VOC		1.053	1.053								
592-910760	7/10/2023 12:38:18 PM		VOC		1.053	1.053								
592-910760	7/10/2023 12:38:08 PM		VOC		1.053	1.053								
592-910760	7/10/2023 12:37:58 PM		VOC		1.054	1.054								
592-910760	7/10/2023 12:37:48 PM		VOC		1.048	1.048								
592-910760	7/10/2023 12:37:38 PM		VOC		1.049	1.049								
592-910760	7/10/2023 12:37:28 PM		VOC		1.033	1.033								
592-910760	7/10/2023 12:37:18 PM		VOC		0.832	0.832								
592-910760	7/10/2023 12:37:08 PM		VOC		1.053	1.053								
592-910760	7/10/2023 12:36:58 PM		VOC		1.062	1.062								

592-910760	7/10/2023 12:36:48 PM		VOC		1.058	1.058								
592-910760	7/10/2023 12:36:38 PM		VOC		1.056	1.056								
592-910760	7/10/2023 12:36:28 PM		VOC		1.057	1.057								
592-910760	7/10/2023 12:36:18 PM		VOC		1.059	1.059								
592-910760	7/10/2023 12:36:08 PM		VOC		1.06	1.06								
592-910760	7/10/2023 12:35:58 PM		VOC		1.058	1.058								
592-910760	7/10/2023 12:35:48 PM		VOC		1.063	1.063								
592-910760	7/10/2023 12:35:38 PM		VOC		1.061	1.061								
592-910760	7/10/2023 12:35:28 PM		VOC		1.064	1.064								
592-910760	7/10/2023 12:35:18 PM		VOC		1.047	1.047								
592-910760	7/10/2023 12:35:08 PM		VOC		1.049	1.049								
592-910760	7/10/2023 12:34:58 PM		VOC		1.056	1.056								
592-910760	7/10/2023 12:34:48 PM		VOC		1.052	1.052								
592-910760	7/10/2023 12:34:38 PM		VOC		1.056	1.056								
592-910760	7/10/2023 12:34:28 PM		VOC		1.053	1.053								
592-910760	7/10/2023 12:34:18 PM		VOC		1.057	1.057								
592-910760	7/10/2023 12:34:08 PM		VOC		1.055	1.055								
592-910760	7/10/2023 12:33:58 PM		VOC		1.057	1.057								
592-910760	7/10/2023 12:33:48 PM		VOC		1.054	1.054								
592-910760	7/10/2023 12:33:38 PM		VOC		1.054	1.054								
592-910760	7/10/2023 12:33:28 PM		VOC		1.055	1.055								
592-910760	7/10/2023 12:33:18 PM		VOC		1.054	1.054								
592-910760	7/10/2023 12:33:08 PM		VOC		1.054	1.054								
592-910760	7/10/2023 12:32:58 PM		VOC		1.055	1.055								
592-910760	7/10/2023 12:32:48 PM		VOC		1.054	1.054								
592-910760	7/10/2023 12:32:38 PM		VOC		1.052	1.052								
592-910760	7/10/2023 12:32:28 PM		VOC		1.052	1.052								
592-910760	7/10/2023 12:32:18 PM		VOC		1.054	1.054								
592-910760	7/10/2023 12:32:08 PM		VOC		1.053	1.053								
592-910760	7/10/2023 12:31:58 PM		VOC		1.052	1.052								
592-910760	7/10/2023 12:31:48 PM		VOC		1.052	1.052								
592-910760	7/10/2023 12:31:38 PM		VOC		1.052	1.052								
592-910760	7/10/2023 12:31:28 PM		VOC		1.05	1.05								
592-910760	7/10/2023 12:31:18 PM		VOC		1.052	1.052								
592-910760	7/10/2023 12:31:08 PM		VOC		1.052	1.052								
592-910760	7/10/2023 12:30:58 PM		VOC		1.053	1.053								
592-910760	7/10/2023 12:30:48 PM		VOC		1.052	1.052								
592-910760	7/10/2023 12:30:38 PM		VOC		1.054	1.054								
592-910760	7/10/2023 12:30:28 PM		VOC		1.053	1.053								
592-910760	7/10/2023 12:30:18 PM		VOC		1.057	1.057								
592-910760	7/10/2023 12:30:08 PM		VOC		1.056	1.056								
592-910760	7/10/2023 12:29:58 PM		VOC		1.057	1.057								
592-910760	7/10/2023 12:29:48 PM		VOC		1.058	1.058								
592-910760	7/10/2023 12:29:38 PM		VOC		1.055	1.055								
592-910760	7/10/2023 12:29:28 PM		VOC		1.058	1.058								
592-910760	7/10/2023 12:29:18 PM		VOC		1.056	1.056								
592-910760	7/10/2023 12:29:08 PM		VOC		1.056	1.056								
592-910760	7/10/2023 12:28:58 PM		VOC		1.058	1.058								
592-910760	7/10/2023 12:28:48 PM		VOC		1.058	1.058								
592-910760	7/10/2023 12:28:38 PM		VOC		1.063	1.063								
592-910760	7/10/2023 12:28:28 PM		VOC		1.061	1.061								
592-910760	7/10/2023 12:28:18 PM		VOC		1.062	1.062								
592-910760	7/10/2023 12:28:08 PM		VOC		1.06	1.06								
592-910760	7/10/2023 12:27:58 PM		VOC		1.064	1.064								
592-910760	7/10/2023 12:27:48 PM		VOC		1.065	1.065								
592-910760	7/10/2023 12:27:38 PM		VOC		1.061	1.061								
592-910760	7/10/2023 12:27:28 PM		VOC		1.063	1.063								
592-910760	7/10/2023 12:27:18 PM		VOC		1.063	1.063								
592-910760	7/10/2023 12:27:08 PM		VOC		1.066	1.066								
592-910760	7/10/2023 12:26:58 PM		VOC		1.068	1.068								
592-910760	7/10/2023 12:26:48 PM		VOC		1.07	1.07								
592-910760	7/10/2023 12:26:38 PM		VOC		1.067	1.067								
592-910760	7/10/2023 12:26:28 PM		VOC		1.066	1.066								
592-910760	7/10/2023 12:26:18 PM		VOC		1.067	1.067								
592-910760	7/10/2023 12:26:08 PM		VOC		1.067	1.067								
592-910760	7/10/2023 12:25:58 PM		VOC		1.066	1.066								
592-910760	7/10/2023 12:25:48 PM		VOC		1.07	1.07								
592-910760	7/10/2023 12:25:38 PM		VOC		1.071	1.071								
592-910760	7/10/2023 12:25:28 PM		VOC		1.07	1.07								
592-910760	7/10/2023 12:25:18 PM		VOC		1.067	1.067								
592-910760	7/10/2023 12:25:08 PM		VOC		1.067	1.067								
592-910760	7/10/2023 12:24:58 PM		VOC		1.071	1.071								
592-910760	7/10/2023 12:24:48 PM		VOC		1.071	1.071								
592-910760	7/10/2023 12:24:38 PM		VOC		1.069	1.069								
592-910760	7/10/2023 12:24:28 PM		VOC		1.072	1.072								
592-910760	7/10/2023 12:24:18 PM		VOC		1.075	1.075								
592-910760	7/10/2023 12:24:08 PM		VOC		1.074	1.074								
592-910760	7/10/2023 12:23:58 PM		VOC		1.071	1.071								
592-910760	7/10/2023 12:23:48 PM		VOC		1.071	1.071								
592-910760	7/10/2023 12:23:38 PM		VOC		1.071	1.071								
592-910760	7/10/2023 12:23:28 PM		VOC		1.073	1.073								
592-910760	7/10/2023 12:23:18 PM		VOC		1.07	1.07								
592-910760	7/10/2023 12:23:08 PM		VOC		1.07	1.07								
592-910760	7/10/2023 12:22:58 PM		VOC		1.072	1.072								
592-910760	7/10/2023 12:22:48 PM		VOC		1.073	1.073								
592-910760	7/10/2023 12:22:38 PM		VOC		1.072	1.072								
592-910760	7/10/2023 12:22:28 PM		VOC		1.075	1.075								
592-910760	7/10/2023 12:22:18 PM		VOC		1.074	1.074								
592-910760	7/10/2023 12:22:08 PM		VOC		1.075	1.075								
592-910760	7/10/2023 12:21:58 PM		VOC		1.078	1.078								
592-910760	7/10/2023 12:21:48 PM		VOC		1.076	1.076								
592-910760	7/10/2023 12:21:38 PM		VOC		1.075	1.075								
592-910760	7/10/2023 12:21:28 PM		VOC		1.079	1.079								
592-910760	7/10/2023 12:21:18 PM		VOC		1.08	1.08								
592-910760	7/10/2023 12:21:08 PM		VOC		1.077	1.077								
592-910760	7/10/2023 12:20:58 PM		VOC		1.073	1.073								
592-910760	7/10/2023 12:20:48 PM		VOC		1.078	1.078								
592-910760	7/10/2023 12:20:38 PM		VOC		1.076	1.076								
592-910760	7/10/2023 12:20:28 PM		VOC		1.077	1.077								
592-910760	7/10/2023 12:20:18 PM		VOC		1.077	1.077								
592-910760	7/10/2023 12:20:08 PM		VOC		1.072	1.072								

592-910760	7/10/2023 12:19:58 PM		VOC		1.074	1.074								
592-910760	7/10/2023 12:19:48 PM		VOC		1.078	1.078								
592-910760	7/10/2023 12:19:38 PM		VOC		1.08	1.08								
592-910760	7/10/2023 12:19:28 PM		VOC		1.078	1.078								
592-910760	7/10/2023 12:19:18 PM		VOC		1.078	1.078								
592-910760	7/10/2023 12:19:08 PM		VOC		1.082	1.082								
592-910760	7/10/2023 12:18:58 PM		VOC		1.081	1.081								
592-910760	7/10/2023 12:18:48 PM		VOC		1.087	1.087								
592-910760	7/10/2023 12:18:38 PM		VOC		1.087	1.087								
592-910760	7/10/2023 12:18:28 PM		VOC		1.088	1.088								
592-910760	7/10/2023 12:18:18 PM		VOC		1.104	1.104								
592-910760	7/10/2023 12:18:08 PM		VOC		1.058	1.058								
592-910760	7/10/2023 12:17:58 PM		VOC		1.093	1.093								
592-910760	7/10/2023 12:17:48 PM		VOC		1.094	1.094								
592-910760	7/10/2023 12:17:38 PM		VOC		1.095	1.095								
592-910760	7/10/2023 12:17:28 PM		VOC		1.095	1.095								
592-910760	7/10/2023 12:17:18 PM		VOC		1.095	1.095								
592-910760	7/10/2023 12:17:08 PM		VOC		1.095	1.095								
592-910760	7/10/2023 12:16:58 PM		VOC		1.093	1.093								
592-910760	7/10/2023 12:16:48 PM		VOC		1.095	1.095								
592-910760	7/10/2023 12:16:38 PM		VOC		1.097	1.097								
592-910760	7/10/2023 12:16:28 PM		VOC		1.092	1.092								
592-910760	7/10/2023 12:16:18 PM		VOC		1.099	1.099								
592-910760	7/10/2023 12:16:08 PM		VOC		1.096	1.096								
592-910760	7/10/2023 12:15:58 PM		VOC		1.094	1.094								
592-910760	7/10/2023 12:15:48 PM		VOC		1.092	1.092								
592-910760	7/10/2023 12:15:38 PM		VOC		1.089	1.089								
592-910760	7/10/2023 12:15:28 PM		VOC		1.092	1.092								
592-910760	7/10/2023 12:15:18 PM		VOC		1.092	1.092								
592-910760	7/10/2023 12:15:08 PM		VOC		1.093	1.093								
592-910760	7/10/2023 12:14:58 PM		VOC		1.089	1.089								
592-910760	7/10/2023 12:14:48 PM		VOC		1.086	1.086								
592-910760	7/10/2023 12:14:38 PM		VOC		1.09	1.09								
592-910760	7/10/2023 12:14:28 PM		VOC		1.092	1.092								
592-910760	7/10/2023 12:14:18 PM		VOC		1.09	1.09								
592-910760	7/10/2023 12:14:08 PM		VOC		1.092	1.092								
592-910760	7/10/2023 12:13:58 PM		VOC		1.09	1.09								
592-910760	7/10/2023 12:13:48 PM		VOC		1.092	1.092								
592-910760	7/10/2023 12:13:38 PM		VOC		1.092	1.092								
592-910760	7/10/2023 12:13:28 PM		VOC		1.089	1.089								
592-910760	7/10/2023 12:13:18 PM		VOC		1.086	1.086								
592-910760	7/10/2023 12:13:08 PM		VOC		1.089	1.089								
592-910760	7/10/2023 12:12:58 PM		VOC		1.086	1.086								
592-910760	7/10/2023 12:12:48 PM		VOC		1.09	1.09								
592-910760	7/10/2023 12:12:38 PM		VOC		1.092	1.092								
592-910760	7/10/2023 12:12:28 PM		VOC		1.092	1.092								
592-910760	7/10/2023 12:12:18 PM		VOC		1.09	1.09								
592-910760	7/10/2023 12:12:08 PM		VOC		1.093	1.093								
592-910760	7/10/2023 12:11:58 PM		VOC		1.087	1.087								
592-910760	7/10/2023 12:11:48 PM		VOC		1.091	1.091								
592-910760	7/10/2023 12:11:38 PM		VOC		1.088	1.088								
592-910760	7/10/2023 12:11:28 PM		VOC		1.085	1.085								
592-910760	7/10/2023 12:11:18 PM		VOC		1.084	1.084								
592-910760	7/10/2023 12:11:08 PM		VOC		1.081	1.081								
592-910760	7/10/2023 12:10:58 PM		VOC		1.086	1.086								
592-910760	7/10/2023 12:10:48 PM		VOC		1.085	1.085								
592-910760	7/10/2023 12:10:38 PM		VOC		1.087	1.087								
592-910760	7/10/2023 12:10:28 PM		VOC		1.085	1.085								
592-910760	7/10/2023 12:10:18 PM		VOC		1.083	1.083								
592-910760	7/10/2023 12:10:08 PM		VOC		1.085	1.085								
592-910760	7/10/2023 12:09:58 PM		VOC		1.083	1.083								
592-910760	7/10/2023 12:09:48 PM		VOC		1.081	1.081								
592-910760	7/10/2023 12:09:38 PM		VOC		1.078	1.078								
592-910760	7/10/2023 12:09:28 PM		VOC		1.086	1.086								
592-910760	7/10/2023 12:09:18 PM		VOC		1.085	1.085								
592-910760	7/10/2023 12:09:08 PM		VOC		1.085	1.085								
592-910760	7/10/2023 12:08:58 PM		VOC		1.086	1.086								
592-910760	7/10/2023 12:08:48 PM		VOC		1.088	1.088								
592-910760	7/10/2023 12:08:38 PM		VOC		1.091	1.091								
592-910760	7/10/2023 12:08:28 PM		VOC		1.073	1.073								
592-910760	7/10/2023 12:08:18 PM		VOC		1.08	1.08								
592-910760	7/10/2023 12:08:08 PM		VOC		1.097	1.097								
592-910760	7/10/2023 12:07:58 PM		VOC		1.099	1.099								
592-910760	7/10/2023 12:07:48 PM		VOC		1.096	1.096								
592-910760	7/10/2023 12:07:38 PM		VOC		1.095	1.095								
592-910760	7/10/2023 12:07:28 PM		VOC		1.094	1.094								
592-910760	7/10/2023 12:07:18 PM		VOC		1.096	1.096								
592-910760	7/10/2023 12:07:08 PM		VOC		1.096	1.096								
592-910760	7/10/2023 12:06:58 PM		VOC		1.095	1.095								
592-910760	7/10/2023 12:06:48 PM		VOC		1.093	1.093								
592-910760	7/10/2023 12:06:38 PM		VOC		1.093	1.093								
592-910760	7/10/2023 12:06:28 PM		VOC		1.095	1.095								
592-910760	7/10/2023 12:06:18 PM		VOC		1.093	1.093								
592-910760	7/10/2023 12:06:08 PM		VOC		1.09	1.09								
592-910760	7/10/2023 12:05:58 PM		VOC		1.09	1.09								
592-910760	7/10/2023 12:05:48 PM		VOC		1.091	1.091								
592-910760	7/10/2023 12:05:38 PM		VOC		1.09	1.09								
592-910760	7/10/2023 12:05:28 PM		VOC		1.041	1.041								
592-910760	7/10/2023 12:05:18 PM		VOC		1.085	1.085								
592-910760	7/10/2023 12:05:08 PM		VOC		1.089	1.089								
592-910760	7/10/2023 12:04:58 PM		VOC		1.086	1.086								
592-910760	7/10/2023 12:04:48 PM		VOC		1.088	1.088								
592-910760	7/10/2023 12:04:38 PM		VOC		1.088	1.088								
592-910760	7/10/2023 12:04:28 PM		VOC		1.082	1.082								
592-910760	7/10/2023 12:04:18 PM		VOC		1.081	1.081								
592-910760	7/10/2023 12:04:08 PM		VOC		1.082	1.082								
592-910760	7/10/2023 12:03:58 PM		VOC		1.086	1.086								
592-910760	7/10/2023 12:03:48 PM		VOC		1.079	1.079								
592-910760	7/10/2023 12:03:38 PM		VOC		1.078	1.078								
592-910760	7/10/2023 12:03:28 PM		VOC		1.074	1.074								
592-910760	7/10/2023 12:03:18 PM		VOC		1.081	1.081								

592-910760	7/10/2023 12:03:08 PM		VOC		1.079	1.079								
592-910760	7/10/2023 12:02:58 PM		VOC		1.075	1.075								
592-910760	7/10/2023 12:02:48 PM		VOC		1.073	1.073								
592-910760	7/10/2023 12:02:38 PM		VOC		1.074	1.074								
592-910760	7/10/2023 12:02:28 PM		VOC		1.079	1.079								
592-910760	7/10/2023 12:02:18 PM		VOC		1.077	1.077								
592-910760	7/10/2023 12:02:08 PM		VOC		1.075	1.075								
592-910760	7/10/2023 12:01:58 PM		VOC		1.078	1.078								
592-910760	7/10/2023 12:01:48 PM		VOC		1.071	1.071								
592-910760	7/10/2023 12:01:38 PM		VOC		1.076	1.076								
592-910760	7/10/2023 12:01:28 PM		VOC		1.077	1.077								
592-910760	7/10/2023 12:01:18 PM		VOC		1.082	1.082								
592-910760	7/10/2023 12:01:08 PM		VOC		1.09	1.09								
592-910760	7/10/2023 12:00:58 PM		VOC		1.081	1.081								
592-910760	7/10/2023 12:00:48 PM		VOC		1.073	1.073								
592-910760	7/10/2023 12:00:38 PM		VOC		1.079	1.079								
592-910760	7/10/2023 12:00:28 PM		VOC		1.078	1.078								
592-910760	7/10/2023 12:00:18 PM		VOC		1.07	1.07								
592-910760	7/10/2023 12:00:08 PM		VOC		1.077	1.077								
592-910760	7/10/2023 11:59:58 AM		VOC		1.092	1.092								
592-910760	7/10/2023 11:59:48 AM		VOC		1.109	1.109								
592-910760	7/10/2023 11:59:38 AM		VOC		1.08	1.08								
592-910760	7/10/2023 11:59:28 AM		VOC		1.074	1.074								
592-910760	7/10/2023 11:59:18 AM		VOC		1.075	1.075								
592-910760	7/10/2023 11:59:08 AM		VOC		0.96	0.96								
592-910760	7/10/2023 11:58:58 AM		VOC		1.056	1.056								
592-910760	7/10/2023 11:58:48 AM		VOC		1.08	1.08								
592-910760	7/10/2023 11:58:38 AM		VOC		1.08	1.08								
592-910760	7/10/2023 11:58:28 AM		VOC		1.08	1.08								
592-910760	7/10/2023 11:58:18 AM		VOC		1.076	1.076								
592-910760	7/10/2023 11:58:08 AM		VOC		1.076	1.076								
592-910760	7/10/2023 11:57:58 AM		VOC		1.076	1.076								
592-910760	7/10/2023 11:57:48 AM		VOC		1.078	1.078								
592-910760	7/10/2023 11:57:38 AM		VOC		1.077	1.077								
592-910760	7/10/2023 11:57:28 AM		VOC		1.079	1.079								
592-910760	7/10/2023 11:57:18 AM		VOC		1.078	1.078								
592-910760	7/10/2023 11:57:08 AM		VOC		1.077	1.077								
592-910760	7/10/2023 11:56:58 AM		VOC		1.072	1.072								
592-910760	7/10/2023 11:56:48 AM		VOC		1.076	1.076								
592-910760	7/10/2023 11:56:38 AM		VOC		1.072	1.072								
592-910760	7/10/2023 11:56:28 AM		VOC		1.073	1.073								
592-910760	7/10/2023 11:56:18 AM		VOC		1.07	1.07								
592-910760	7/10/2023 11:56:08 AM		VOC		1.07	1.07								
592-910760	7/10/2023 11:55:58 AM		VOC		1.072	1.072								
592-910760	7/10/2023 11:55:48 AM		VOC		1.071	1.071								
592-910760	7/10/2023 11:55:38 AM		VOC		1.07	1.07								
592-910760	7/10/2023 11:55:28 AM		VOC		1.071	1.071								
592-910760	7/10/2023 11:55:18 AM		VOC		1.072	1.072								
592-910760	7/10/2023 11:55:08 AM		VOC		1.099	1.099								
592-910760	7/10/2023 11:54:58 AM		VOC		1.08	1.08								
592-910760	7/10/2023 11:54:48 AM		VOC		1.065	1.065								
592-910760	7/10/2023 11:54:38 AM		VOC		1.058	1.058								
592-910760	7/10/2023 11:54:28 AM		VOC		1.062	1.062								
592-910760	7/10/2023 11:54:18 AM		VOC		1.061	1.061								
592-910760	7/10/2023 11:54:08 AM		VOC		1.058	1.058								
592-910760	7/10/2023 11:53:58 AM		VOC		1.058	1.058								
592-910760	7/10/2023 11:53:48 AM		VOC		1.056	1.056								
592-910760	7/10/2023 11:53:38 AM		VOC		1.055	1.055								
592-910760	7/10/2023 11:53:28 AM		VOC		1.053	1.053								
592-910760	7/10/2023 11:53:18 AM		VOC		1.053	1.053								
592-910760	7/10/2023 11:53:08 AM		VOC		1.049	1.049								
592-910760	7/10/2023 11:52:58 AM		VOC		1.048	1.048								
592-910760	7/10/2023 11:52:48 AM		VOC		1.053	1.053								
592-910760	7/10/2023 11:52:38 AM		VOC		1.052	1.052								
592-910760	7/10/2023 11:52:28 AM		VOC		1.049	1.049								
592-910760	7/10/2023 11:52:18 AM		VOC		1.05	1.05								
592-910760	7/10/2023 11:52:08 AM		VOC		1.044	1.044								
592-910760	7/10/2023 11:51:58 AM		VOC		1.049	1.049								
592-910760	7/10/2023 11:51:48 AM		VOC		1.046	1.046								
592-910760	7/10/2023 11:51:38 AM		VOC		1.043	1.043								
592-910760	7/10/2023 11:51:28 AM		VOC		1.043	1.043								
592-910760	7/10/2023 11:51:18 AM		VOC		1.044	1.044								
592-910760	7/10/2023 11:51:08 AM		VOC		1.041	1.041								
592-910760	7/10/2023 11:50:58 AM		VOC		1.036	1.036								
592-910760	7/10/2023 11:50:48 AM		VOC		1.031	1.031								
592-910760	7/10/2023 11:50:38 AM		VOC		1.033	1.033								
592-910760	7/10/2023 11:50:28 AM		VOC		1.029	1.029								
592-910760	7/10/2023 11:50:18 AM		VOC		1.031	1.031								
592-910760	7/10/2023 11:50:08 AM		VOC		1.032	1.032								
592-910760	7/10/2023 11:49:58 AM		VOC		1.03	1.03								
592-910760	7/10/2023 11:49:48 AM		VOC		1.028	1.028								
592-910760	7/10/2023 11:49:38 AM		VOC		1.028	1.028								
592-910760	7/10/2023 11:49:28 AM		VOC		1.026	1.026								
592-910760	7/10/2023 11:49:18 AM		VOC		1.024	1.024								
592-910760	7/10/2023 11:49:08 AM		VOC		1.019	1.019								
592-910760	7/10/2023 11:48:58 AM		VOC		1.016	1.016								
592-910760	7/10/2023 11:48:48 AM		VOC		1.014	1.014								
592-910760	7/10/2023 11:48:38 AM		VOC		1.019	1.019								
592-910760	7/10/2023 11:48:28 AM		VOC		1.012	1.012								
592-910760	7/10/2023 11:48:18 AM		VOC		1.012	1.012								
592-910760	7/10/2023 11:48:08 AM		VOC		1.009	1.009								
592-910760	7/10/2023 11:47:58 AM		VOC		1.01	1.01								
592-910760	7/10/2023 11:47:48 AM		VOC		1.01	1.01								
592-910760	7/10/2023 11:47:38 AM		VOC		1.011	1.011								
592-910760	7/10/2023 11:47:28 AM		VOC		1.007	1.007								
592-910760	7/10/2023 11:47:18 AM		VOC		1.0	1.0								
592-910760	7/10/2023 11:47:08 AM		VOC		0.999	0.999								
592-910760	7/10/2023 11:46:58 AM		VOC		1.0	1.0								
592-910760	7/10/2023 11:46:48 AM		VOC		0.997	0.997								
592-910760	7/10/2023 11:46:38 AM		VOC		1.001	1.001								
592-910760	7/10/2023 11:46:28 AM		VOC		0.993	0.993								

592-910760	7/10/2023 11:46:18 AM		VOC		0.997	0.997								
592-910760	7/10/2023 11:46:08 AM		VOC		0.996	0.996								
592-910760	7/10/2023 11:45:58 AM		VOC		0.995	0.995								
592-910760	7/10/2023 11:45:48 AM		VOC		0.992	0.992								
592-910760	7/10/2023 11:45:38 AM		VOC		0.992	0.992								
592-910760	7/10/2023 11:45:28 AM		VOC		0.983	0.983								
592-910760	7/10/2023 11:45:18 AM		VOC		0.988	0.988								
592-910760	7/10/2023 11:45:08 AM		VOC		0.99	0.99								
592-910760	7/10/2023 11:44:58 AM		VOC		0.99	0.99								
592-910760	7/10/2023 11:44:48 AM		VOC		0.987	0.987								
592-910760	7/10/2023 11:44:38 AM		VOC		0.987	0.987								
592-910760	7/10/2023 11:44:28 AM		VOC		0.98	0.98								
592-910760	7/10/2023 11:44:18 AM		VOC		0.983	0.983								
592-910760	7/10/2023 11:44:08 AM		VOC		0.981	0.981								
592-910760	7/10/2023 11:43:58 AM		VOC		0.982	0.982								
592-910760	7/10/2023 11:43:48 AM		VOC		0.978	0.978								
592-910760	7/10/2023 11:43:38 AM		VOC		0.979	0.979								
592-910760	7/10/2023 11:43:28 AM		VOC		0.98	0.98								
592-910760	7/10/2023 11:43:18 AM		VOC		0.973	0.973								
592-910760	7/10/2023 11:43:08 AM		VOC		0.979	0.979								
592-910760	7/10/2023 11:42:58 AM		VOC		0.971	0.971								
592-910760	7/10/2023 11:42:48 AM		VOC		0.976	0.976								
592-910760	7/10/2023 11:42:38 AM		VOC		0.979	0.979								
592-910760	7/10/2023 11:42:28 AM		VOC		0.973	0.973								
592-910760	7/10/2023 11:42:18 AM		VOC		0.973	0.973								
592-910760	7/10/2023 11:42:08 AM		VOC		0.971	0.971								
592-910760	7/10/2023 11:41:58 AM		VOC		0.977	0.977								
592-910760	7/10/2023 11:41:48 AM		VOC		0.972	0.972								
592-910760	7/10/2023 11:41:38 AM		VOC		0.97	0.97								
592-910760	7/10/2023 11:41:28 AM		VOC		0.972	0.972								
592-910760	7/10/2023 11:41:18 AM		VOC		0.973	0.973								
592-910760	7/10/2023 11:41:08 AM		VOC		0.976	0.976								
592-910760	7/10/2023 11:40:58 AM		VOC		0.972	0.972								
592-910760	7/10/2023 11:40:48 AM		VOC		0.973	0.973								
592-910760	7/10/2023 11:40:38 AM		VOC		0.974	0.974								
592-910760	7/10/2023 11:40:28 AM		VOC		0.969	0.969								
592-910760	7/10/2023 11:40:18 AM		VOC		0.969	0.969								
592-910760	7/10/2023 11:40:08 AM		VOC		0.972	0.972								
592-910760	7/10/2023 11:39:58 AM		VOC		0.97	0.97								
592-910760	7/10/2023 11:39:48 AM		VOC		0.968	0.968								
592-910760	7/10/2023 11:39:38 AM		VOC		0.971	0.971								
592-910760	7/10/2023 11:39:28 AM		VOC		0.972	0.972								
592-910760	7/10/2023 11:39:18 AM		VOC		0.971	0.971								
592-910760	7/10/2023 11:39:08 AM		VOC		0.974	0.974								
592-910760	7/10/2023 11:38:58 AM		VOC		0.974	0.974								
592-910760	7/10/2023 11:38:48 AM		VOC		0.973	0.973								
592-910760	7/10/2023 11:38:38 AM		VOC		0.971	0.971								
592-910760	7/10/2023 11:38:28 AM		VOC		0.971	0.971								
592-910760	7/10/2023 11:38:18 AM		VOC		0.973	0.973								
592-910760	7/10/2023 11:38:08 AM		VOC		0.971	0.971								
592-910760	7/10/2023 11:37:58 AM		VOC		0.968	0.968								
592-910760	7/10/2023 11:37:48 AM		VOC		0.969	0.969								
592-910760	7/10/2023 11:37:38 AM		VOC		0.972	0.972								
592-910760	7/10/2023 11:37:28 AM		VOC		0.967	0.967								
592-910760	7/10/2023 11:37:18 AM		VOC		0.97	0.97								
592-910760	7/10/2023 11:37:08 AM		VOC		0.975	0.975								
592-910760	7/10/2023 11:36:58 AM		VOC		0.969	0.969								
592-910760	7/10/2023 11:36:48 AM		VOC		0.973	0.973								
592-910760	7/10/2023 11:36:38 AM		VOC		0.977	0.977								
592-910760	7/10/2023 11:36:28 AM		VOC		0.978	0.978								
592-910760	7/10/2023 11:36:18 AM		VOC		0.98	0.98								
592-910760	7/10/2023 11:36:08 AM		VOC		0.978	0.978								
592-910760	7/10/2023 11:35:58 AM		VOC		0.978	0.978								
592-910760	7/10/2023 11:35:48 AM		VOC		0.981	0.981								
592-910760	7/10/2023 11:35:38 AM		VOC		0.982	0.982								
592-910760	7/10/2023 11:35:28 AM		VOC		0.98	0.98								
592-910760	7/10/2023 11:35:18 AM		VOC		0.983	0.983								
592-910760	7/10/2023 11:35:08 AM		VOC		0.984	0.984								
592-910760	7/10/2023 11:34:58 AM		VOC		0.984	0.984								
592-910760	7/10/2023 11:34:48 AM		VOC		0.981	0.981								
592-910760	7/10/2023 11:34:38 AM		VOC		0.985	0.985								
592-910760	7/10/2023 11:34:28 AM		VOC		0.982	0.982								
592-910760	7/10/2023 11:34:18 AM		VOC		0.909	0.909								
592-910760	7/10/2023 11:34:08 AM		VOC		0.967	0.967								
592-910760	7/10/2023 11:33:58 AM		VOC		0.999	0.999								
592-910760	7/10/2023 11:33:48 AM		VOC		1.003	1.003								
592-910760	7/10/2023 11:33:38 AM		VOC		1.001	1.001								
592-910760	7/10/2023 11:33:28 AM		VOC		0.974	0.974								
592-910760	7/10/2023 11:33:18 AM		VOC		0.816	0.816								
592-910760	7/10/2023 11:33:08 AM		VOC		0.997	0.997								
592-910760	7/10/2023 11:32:58 AM		VOC		1.025	1.025								
592-910760	7/10/2023 11:32:48 AM		VOC		1.016	1.016								
592-910760	7/10/2023 11:32:38 AM		VOC		1.019	1.019								
592-910760	7/10/2023 11:32:28 AM		VOC		1.026	1.026								
592-910760	7/10/2023 11:32:18 AM		VOC		0.954	0.954								
592-910760	7/10/2023 11:32:08 AM		VOC		0.966	0.966								
592-910760	7/10/2023 11:31:58 AM		VOC		1.031	1.031								
592-910760	7/10/2023 11:31:48 AM		VOC		1.031	1.031								
592-910760	7/10/2023 11:31:38 AM		VOC		1.032	1.032								
592-910760	7/10/2023 11:31:28 AM		VOC		1.032	1.032								
592-910760	7/10/2023 11:31:18 AM		VOC		1.031	1.031								
592-910760	7/10/2023 11:31:08 AM		VOC		1.032	1.032								
592-910760	7/10/2023 11:30:58 AM		VOC		1.037	1.037								
592-910760	7/10/2023 11:30:48 AM		VOC		1.037	1.037								
592-910760	7/10/2023 11:30:38 AM		VOC		1.037	1.037								
592-910760	7/10/2023 11:30:28 AM		VOC		1.038	1.038								
592-910760	7/10/2023 11:30:18 AM		VOC		1.038	1.038								
592-910760	7/10/2023 11:30:08 AM		VOC		1.039	1.039								
592-910760	7/10/2023 11:29:58 AM		VOC		1.04	1.04								
592-910760	7/10/2023 11:29:48 AM		VOC		1.041	1.041								
592-910760	7/10/2023 11:29:38 AM		VOC		1.039	1.039								

592-910760	7/10/2023 11:29:28 AM		VOC		1.036	1.036								
592-910760	7/10/2023 11:29:18 AM		VOC		1.041	1.041								
592-910760	7/10/2023 11:29:08 AM		VOC		1.041	1.041								
592-910760	7/10/2023 11:28:58 AM		VOC		1.043	1.043								
592-910760	7/10/2023 11:28:48 AM		VOC		1.044	1.044								
592-910760	7/10/2023 11:28:38 AM		VOC		1.046	1.046								
592-910760	7/10/2023 11:28:28 AM		VOC		1.05	1.05								
592-910760	7/10/2023 11:28:18 AM		VOC		1.046	1.046								
592-910760	7/10/2023 11:28:08 AM		VOC		1.049	1.049								
592-910760	7/10/2023 11:27:58 AM		VOC		1.048	1.048								
592-910760	7/10/2023 11:27:48 AM		VOC		1.048	1.048								
592-910760	7/10/2023 11:27:38 AM		VOC		1.048	1.048								
592-910760	7/10/2023 11:27:28 AM		VOC		1.053	1.053								
592-910760	7/10/2023 11:27:18 AM		VOC		1.054	1.054								
592-910760	7/10/2023 11:27:08 AM		VOC		1.044	1.044								
592-910760	7/10/2023 11:26:58 AM		VOC		1.053	1.053								
592-910760	7/10/2023 11:26:48 AM		VOC		1.051	1.051								
592-910760	7/10/2023 11:26:38 AM		VOC		1.055	1.055								
592-910760	7/10/2023 11:26:28 AM		VOC		1.053	1.053								
592-910760	7/10/2023 11:26:18 AM		VOC		1.05	1.05								
592-910760	7/10/2023 11:26:08 AM		VOC		1.057	1.057								
592-910760	7/10/2023 11:25:58 AM		VOC		1.059	1.059								
592-910760	7/10/2023 11:25:48 AM		VOC		1.058	1.058								
592-910760	7/10/2023 11:25:38 AM		VOC		1.06	1.06								
592-910760	7/10/2023 11:25:28 AM		VOC		1.059	1.059								
592-910760	7/10/2023 11:25:18 AM		VOC		1.058	1.058								
592-910760	7/10/2023 11:25:08 AM		VOC		1.062	1.062								
592-910760	7/10/2023 11:24:58 AM		VOC		1.062	1.062								
592-910760	7/10/2023 11:24:48 AM		VOC		1.062	1.062								
592-910760	7/10/2023 11:24:38 AM		VOC		1.062	1.062								
592-910760	7/10/2023 11:24:28 AM		VOC		1.06	1.06								
592-910760	7/10/2023 11:24:18 AM		VOC		1.067	1.067								
592-910760	7/10/2023 11:24:08 AM		VOC		1.069	1.069								
592-910760	7/10/2023 11:23:58 AM		VOC		1.068	1.068								
592-910760	7/10/2023 11:23:48 AM		VOC		1.073	1.073								
592-910760	7/10/2023 11:23:38 AM		VOC		1.068	1.068								
592-910760	7/10/2023 11:23:28 AM		VOC		1.071	1.071								
592-910760	7/10/2023 11:23:18 AM		VOC		1.072	1.072								
592-910760	7/10/2023 11:23:08 AM		VOC		1.074	1.074								
592-910760	7/10/2023 11:22:58 AM		VOC		1.073	1.073								
592-910760	7/10/2023 11:22:48 AM		VOC		1.076	1.076								
592-910760	7/10/2023 11:22:38 AM		VOC		1.077	1.077								
592-910760	7/10/2023 11:22:28 AM		VOC		1.077	1.077								
592-910760	7/10/2023 11:22:18 AM		VOC		1.076	1.076								
592-910760	7/10/2023 11:22:08 AM		VOC		1.081	1.081								
592-910760	7/10/2023 11:21:58 AM		VOC		1.081	1.081								
592-910760	7/10/2023 11:21:48 AM		VOC		1.084	1.084								
592-910760	7/10/2023 11:21:38 AM		VOC		1.087	1.087								
592-910760	7/10/2023 11:21:28 AM		VOC		1.083	1.083								
592-910760	7/10/2023 11:21:18 AM		VOC		1.084	1.084								
592-910760	7/10/2023 11:21:08 AM		VOC		1.086	1.086								
592-910760	7/10/2023 11:20:58 AM		VOC		1.087	1.087								
592-910760	7/10/2023 11:20:48 AM		VOC		1.088	1.088								
592-910760	7/10/2023 11:20:38 AM		VOC		1.092	1.092								
592-910760	7/10/2023 11:20:28 AM		VOC		1.096	1.096								
592-910760	7/10/2023 11:20:18 AM		VOC		1.093	1.093								
592-910760	7/10/2023 11:20:08 AM		VOC		1.085	1.085								
592-910760	7/10/2023 11:19:58 AM		VOC		1.101	1.101								
592-910760	7/10/2023 11:19:48 AM		VOC		1.101	1.101								
592-910760	7/10/2023 11:19:38 AM		VOC		1.102	1.102								
592-910760	7/10/2023 11:19:28 AM		VOC		1.105	1.105								
592-910760	7/10/2023 11:19:18 AM		VOC		1.106	1.106								
592-910760	7/10/2023 11:19:08 AM		VOC		1.107	1.107								
592-910760	7/10/2023 11:18:58 AM		VOC		1.107	1.107								
592-910760	7/10/2023 11:18:48 AM		VOC		1.108	1.108								
592-910760	7/10/2023 11:18:38 AM		VOC		1.111	1.111								
592-910760	7/10/2023 11:18:28 AM		VOC		1.109	1.109								
592-910760	7/10/2023 11:18:18 AM		VOC		1.112	1.112								
592-910760	7/10/2023 11:18:08 AM		VOC		1.115	1.115								
592-910760	7/10/2023 11:17:58 AM		VOC		1.115	1.115								
592-910760	7/10/2023 11:17:48 AM		VOC		1.118	1.118								
592-910760	7/10/2023 11:17:38 AM		VOC		1.115	1.115								
592-910760	7/10/2023 11:17:28 AM		VOC		1.116	1.116								
592-910760	7/10/2023 11:17:18 AM		VOC		1.12	1.12								
592-910760	7/10/2023 11:17:08 AM		VOC		1.121	1.121								
592-910760	7/10/2023 11:16:58 AM		VOC		1.122	1.122								
592-910760	7/10/2023 11:16:48 AM		VOC		1.126	1.126								
592-910760	7/10/2023 11:16:38 AM		VOC		1.127	1.127								
592-910760	7/10/2023 11:16:28 AM		VOC		1.128	1.128								
592-910760	7/10/2023 11:16:18 AM		VOC		1.129	1.129								
592-910760	7/10/2023 11:16:08 AM		VOC		1.135	1.135								
592-910760	7/10/2023 11:15:58 AM		VOC		1.127	1.127								
592-910760	7/10/2023 11:15:48 AM		VOC		1.132	1.132								
592-910760	7/10/2023 11:15:38 AM		VOC		1.132	1.132								
592-910760	7/10/2023 11:15:28 AM		VOC		1.134	1.134								
592-910760	7/10/2023 11:15:18 AM		VOC		1.138	1.138								
592-910760	7/10/2023 11:15:08 AM		VOC		1.137	1.137								
592-910760	7/10/2023 11:14:58 AM		VOC		1.144	1.144								
592-910760	7/10/2023 11:14:48 AM		VOC		1.143	1.143								
592-910760	7/10/2023 11:14:38 AM		VOC		1.141	1.141								
592-910760	7/10/2023 11:14:28 AM		VOC		1.147	1.147								
592-910760	7/10/2023 11:14:18 AM		VOC		1.147	1.147								
592-910760	7/10/2023 11:14:08 AM		VOC		1.15	1.15								
592-910760	7/10/2023 11:13:58 AM		VOC		1.149	1.149								
592-910760	7/10/2023 11:13:48 AM		VOC		1.149	1.149								
592-910760	7/10/2023 11:13:38 AM		VOC		1.152	1.152								
592-910760	7/10/2023 11:13:28 AM		VOC		1.147	1.147								
592-910760	7/10/2023 11:13:18 AM		VOC		1.15	1.15								
592-910760	7/10/2023 11:13:08 AM		VOC		1.151	1.151								
592-910760	7/10/2023 11:12:58 AM		VOC		1.151	1.151								
592-910760	7/10/2023 11:12:48 AM		VOC		1.154	1.154								

592-910760	7/10/2023 11:12:38 AM		VOC		1.156	1.156								
592-910760	7/10/2023 11:12:28 AM		VOC		1.155	1.155								
592-910760	7/10/2023 11:12:18 AM		VOC		1.157	1.157								
592-910760	7/10/2023 11:12:08 AM		VOC		1.163	1.163								
592-910760	7/10/2023 11:11:58 AM		VOC		1.163	1.163								
592-910760	7/10/2023 11:11:48 AM		VOC		1.165	1.165								
592-910760	7/10/2023 11:11:38 AM		VOC		1.163	1.163								
592-910760	7/10/2023 11:11:28 AM		VOC		1.166	1.166								
592-910760	7/10/2023 11:11:18 AM		VOC		1.168	1.168								
592-910760	7/10/2023 11:11:08 AM		VOC		1.168	1.168								
592-910760	7/10/2023 11:10:58 AM		VOC		1.171	1.171								
592-910760	7/10/2023 11:10:48 AM		VOC		1.173	1.173								
592-910760	7/10/2023 11:10:38 AM		VOC		1.176	1.176								
592-910760	7/10/2023 11:10:28 AM		VOC		1.178	1.178								
592-910760	7/10/2023 11:10:18 AM		VOC		1.182	1.182								
592-910760	7/10/2023 11:10:08 AM		VOC		1.18	1.18								
592-910760	7/10/2023 11:09:58 AM		VOC		1.185	1.185								
592-910760	7/10/2023 11:09:48 AM		VOC		1.182	1.182								
592-910760	7/10/2023 11:09:38 AM		VOC		1.187	1.187								
592-910760	7/10/2023 11:09:28 AM		VOC		1.185	1.185								
592-910760	7/10/2023 11:09:18 AM		VOC		1.19	1.19								
592-910760	7/10/2023 11:09:08 AM		VOC		1.189	1.189								
592-910760	7/10/2023 11:08:58 AM		VOC		1.195	1.195								
592-910760	7/10/2023 11:08:48 AM		VOC		1.191	1.191								
592-910760	7/10/2023 11:08:38 AM		VOC		1.194	1.194								
592-910760	7/10/2023 11:08:28 AM		VOC		1.195	1.195								
592-910760	7/10/2023 11:08:18 AM		VOC		1.195	1.195								
592-910760	7/10/2023 11:08:08 AM		VOC		1.194	1.194								
592-910760	7/10/2023 11:07:58 AM		VOC		1.198	1.198								
592-910760	7/10/2023 11:07:48 AM		VOC		1.194	1.194								
592-910760	7/10/2023 11:07:38 AM		VOC		1.198	1.198								
592-910760	7/10/2023 11:07:28 AM		VOC		1.201	1.201								
592-910760	7/10/2023 11:07:18 AM		VOC		1.199	1.199								
592-910760	7/10/2023 11:07:08 AM		VOC		1.204	1.204								
592-910760	7/10/2023 11:06:58 AM		VOC		1.203	1.203								
592-910760	7/10/2023 11:06:48 AM		VOC		1.204	1.204								
592-910760	7/10/2023 11:06:38 AM		VOC		1.203	1.203								
592-910760	7/10/2023 11:06:28 AM		VOC		1.204	1.204								
592-910760	7/10/2023 11:06:18 AM		VOC		1.209	1.209								
592-910760	7/10/2023 11:06:08 AM		VOC		1.212	1.212								
592-910760	7/10/2023 11:05:58 AM		VOC		1.211	1.211								
592-910760	7/10/2023 11:05:48 AM		VOC		1.211	1.211								
592-910760	7/10/2023 11:05:38 AM		VOC		1.212	1.212								
592-910760	7/10/2023 11:05:28 AM		VOC		1.216	1.216								
592-910760	7/10/2023 11:05:18 AM		VOC		1.218	1.218								
592-910760	7/10/2023 11:05:08 AM		VOC		1.218	1.218								
592-910760	7/10/2023 11:04:58 AM		VOC		1.219	1.219								
592-910760	7/10/2023 11:04:48 AM		VOC		1.222	1.222								
592-910760	7/10/2023 11:04:38 AM		VOC		1.223	1.223								
592-910760	7/10/2023 11:04:28 AM		VOC		1.221	1.221								
592-910760	7/10/2023 11:04:18 AM		VOC		1.225	1.225								
592-910760	7/10/2023 11:04:08 AM		VOC		1.226	1.226								
592-910760	7/10/2023 11:03:58 AM		VOC		1.226	1.226								
592-910760	7/10/2023 11:03:48 AM		VOC		1.225	1.225								
592-910760	7/10/2023 11:03:38 AM		VOC		1.23	1.23								
592-910760	7/10/2023 11:03:28 AM		VOC		1.232	1.232								
592-910760	7/10/2023 11:03:18 AM		VOC		1.231	1.231								
592-910760	7/10/2023 11:03:08 AM		VOC		1.232	1.232								
592-910760	7/10/2023 11:02:58 AM		VOC		1.234	1.234								
592-910760	7/10/2023 11:02:48 AM		VOC		1.235	1.235								
592-910760	7/10/2023 11:02:38 AM		VOC		1.236	1.236								
592-910760	7/10/2023 11:02:28 AM		VOC		1.237	1.237								
592-910760	7/10/2023 11:02:18 AM		VOC		1.236	1.236								
592-910760	7/10/2023 11:02:08 AM		VOC		1.24	1.24								
592-910760	7/10/2023 11:01:58 AM		VOC		1.24	1.24								
592-910760	7/10/2023 11:01:48 AM		VOC		1.241	1.241								
592-910760	7/10/2023 11:01:38 AM		VOC		1.242	1.242								
592-910760	7/10/2023 11:01:28 AM		VOC		1.242	1.242								
592-910760	7/10/2023 11:01:18 AM		VOC		1.244	1.244								
592-910760	7/10/2023 11:01:08 AM		VOC		1.245	1.245								
592-910760	7/10/2023 11:00:58 AM		VOC		1.247	1.247								
592-910760	7/10/2023 11:00:48 AM		VOC		1.245	1.245								
592-910760	7/10/2023 11:00:38 AM		VOC		1.249	1.249								
592-910760	7/10/2023 11:00:28 AM		VOC		1.251	1.251								
592-910760	7/10/2023 11:00:18 AM		VOC		1.253	1.253								
592-910760	7/10/2023 11:00:08 AM		VOC		1.256	1.256								
592-910760	7/10/2023 10:59:58 AM		VOC		1.253	1.253								
592-910760	7/10/2023 10:59:48 AM		VOC		1.259	1.259								
592-910760	7/10/2023 10:59:38 AM		VOC		1.263	1.263								
592-910760	7/10/2023 10:59:28 AM		VOC		1.26	1.26								
592-910760	7/10/2023 10:59:18 AM		VOC		1.264	1.264								
592-910760	7/10/2023 10:59:08 AM		VOC		1.265	1.265								
592-910760	7/10/2023 10:58:58 AM		VOC		1.264	1.264								
592-910760	7/10/2023 10:58:48 AM		VOC		1.269	1.269								
592-910760	7/10/2023 10:58:38 AM		VOC		1.268	1.268								
592-910760	7/10/2023 10:58:28 AM		VOC		1.272	1.272								
592-910760	7/10/2023 10:58:18 AM		VOC		1.268	1.268								
592-910760	7/10/2023 10:58:08 AM		VOC		1.274	1.274								
592-910760	7/10/2023 10:57:58 AM		VOC		1.274	1.274								
592-910760	7/10/2023 10:57:48 AM		VOC		1.273	1.273								
592-910760	7/10/2023 10:57:38 AM		VOC		1.274	1.274								
592-910760	7/10/2023 10:57:28 AM		VOC		1.276	1.276								
592-910760	7/10/2023 10:57:18 AM		VOC		1.28	1.28								
592-910760	7/10/2023 10:57:08 AM		VOC		1.28	1.28								
592-910760	7/10/2023 10:56:58 AM		VOC		1.283	1.283								
592-910760	7/10/2023 10:56:48 AM		VOC		1.284	1.284								
592-910760	7/10/2023 10:56:38 AM		VOC		1.283	1.283								
592-910760	7/10/2023 10:56:28 AM		VOC		1.288	1.288								
592-910760	7/10/2023 10:56:18 AM		VOC		1.287	1.287								
592-910760	7/10/2023 10:56:08 AM		VOC		1.289	1.289								
592-910760	7/10/2023 10:55:58 AM		VOC		1.29	1.29								

592-910760	7/10/2023 10:55:48 AM		VOC		1.294	1.294								
592-910760	7/10/2023 10:55:38 AM		VOC		1.296	1.296								
592-910760	7/10/2023 10:55:28 AM		VOC		1.299	1.299								
592-910760	7/10/2023 10:55:18 AM		VOC		1.301	1.301								
592-910760	7/10/2023 10:55:08 AM		VOC		1.299	1.299								
592-910760	7/10/2023 10:54:58 AM		VOC		1.303	1.303								
592-910760	7/10/2023 10:54:48 AM		VOC		1.309	1.309								
592-910760	7/10/2023 10:54:38 AM		VOC		1.306	1.306								
592-910760	7/10/2023 10:54:28 AM		VOC		1.31	1.31								
592-910760	7/10/2023 10:54:18 AM		VOC		1.314	1.314								
592-910760	7/10/2023 10:54:08 AM		VOC		1.315	1.315								
592-910760	7/10/2023 10:53:58 AM		VOC		1.317	1.317								
592-910760	7/10/2023 10:53:48 AM		VOC		1.32	1.32								
592-910760	7/10/2023 10:53:38 AM		VOC		1.323	1.323								
592-910760	7/10/2023 10:53:28 AM		VOC		1.319	1.319								
592-910760	7/10/2023 10:53:18 AM		VOC		1.32	1.32								
592-910760	7/10/2023 10:53:08 AM		VOC		1.325	1.325								
592-910760	7/10/2023 10:52:58 AM		VOC		1.324	1.324								
592-910760	7/10/2023 10:52:48 AM		VOC		1.325	1.325								
592-910760	7/10/2023 10:52:38 AM		VOC		1.331	1.331								
592-910760	7/10/2023 10:52:28 AM		VOC		1.332	1.332								
592-910760	7/10/2023 10:52:18 AM		VOC		1.332	1.332								
592-910760	7/10/2023 10:52:08 AM		VOC		1.334	1.334								
592-910760	7/10/2023 10:51:58 AM		VOC		1.34	1.34								
592-910760	7/10/2023 10:51:48 AM		VOC		1.338	1.338								
592-910760	7/10/2023 10:51:38 AM		VOC		1.34	1.34								
592-910760	7/10/2023 10:51:28 AM		VOC		1.343	1.343								
592-910760	7/10/2023 10:51:18 AM		VOC		1.345	1.345								
592-910760	7/10/2023 10:51:08 AM		VOC		1.344	1.344								
592-910760	7/10/2023 10:50:58 AM		VOC		1.349	1.349								
592-910760	7/10/2023 10:50:48 AM		VOC		1.352	1.352								
592-910760	7/10/2023 10:50:38 AM		VOC		1.356	1.356								
592-910760	7/10/2023 10:50:28 AM		VOC		1.361	1.361								
592-910760	7/10/2023 10:50:18 AM		VOC		1.361	1.361								
592-910760	7/10/2023 10:50:08 AM		VOC		1.357	1.357								
592-910760	7/10/2023 10:49:58 AM		VOC		1.361	1.361								
592-910760	7/10/2023 10:49:48 AM		VOC		1.365	1.365								
592-910760	7/10/2023 10:49:38 AM		VOC		1.365	1.365								
592-910760	7/10/2023 10:49:28 AM		VOC		1.368	1.368								
592-910760	7/10/2023 10:49:18 AM		VOC		1.372	1.372								
592-910760	7/10/2023 10:49:08 AM		VOC		1.371	1.371								
592-910760	7/10/2023 10:48:58 AM		VOC		1.375	1.375								
592-910760	7/10/2023 10:48:48 AM		VOC		1.376	1.376								
592-910760	7/10/2023 10:48:38 AM		VOC		1.379	1.379								
592-910760	7/10/2023 10:48:28 AM		VOC		1.38	1.38								
592-910760	7/10/2023 10:48:18 AM		VOC		1.382	1.382								
592-910760	7/10/2023 10:48:08 AM		VOC		1.381	1.381								
592-910760	7/10/2023 10:47:58 AM		VOC		1.384	1.384								
592-910760	7/10/2023 10:47:48 AM		VOC		1.384	1.384								
592-910760	7/10/2023 10:47:38 AM		VOC		1.386	1.386								
592-910760	7/10/2023 10:47:28 AM		VOC		1.386	1.386								
592-910760	7/10/2023 10:47:18 AM		VOC		1.387	1.387								
592-910760	7/10/2023 10:47:08 AM		VOC		1.387	1.387								
592-910760	7/10/2023 10:46:58 AM		VOC		1.387	1.387								
592-910760	7/10/2023 10:46:48 AM		VOC		1.389	1.389								
592-910760	7/10/2023 10:46:38 AM		VOC		1.388	1.388								
592-910760	7/10/2023 10:46:28 AM		VOC		1.388	1.388								
592-910760	7/10/2023 10:46:18 AM		VOC		1.39	1.39								
592-910760	7/10/2023 10:46:08 AM		VOC		1.389	1.389								
592-910760	7/10/2023 10:45:58 AM		VOC		1.391	1.391								
592-910760	7/10/2023 10:45:48 AM		VOC		1.393	1.393								
592-910760	7/10/2023 10:45:38 AM		VOC		1.397	1.397								
592-910760	7/10/2023 10:45:28 AM		VOC		1.396	1.396								
592-910760	7/10/2023 10:45:18 AM		VOC		1.399	1.399								
592-910760	7/10/2023 10:45:08 AM		VOC		1.394	1.394								
592-910760	7/10/2023 10:44:58 AM		VOC		1.395	1.395								
592-910760	7/10/2023 10:44:48 AM		VOC		1.397	1.397								
592-910760	7/10/2023 10:44:38 AM		VOC		1.397	1.397								
592-910760	7/10/2023 10:44:28 AM		VOC		1.4	1.4								
592-910760	7/10/2023 10:44:18 AM		VOC		1.403	1.403								
592-910760	7/10/2023 10:44:08 AM		VOC		1.402	1.402								
592-910760	7/10/2023 10:43:58 AM		VOC		1.4	1.4								
592-910760	7/10/2023 10:43:48 AM		VOC		1.402	1.402								
592-910760	7/10/2023 10:43:38 AM		VOC		1.4	1.4								
592-910760	7/10/2023 10:43:28 AM		VOC		1.4	1.4								
592-910760	7/10/2023 10:43:18 AM		VOC		1.402	1.402								
592-910760	7/10/2023 10:43:08 AM		VOC		1.399	1.399								
592-910760	7/10/2023 10:42:58 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:42:48 AM		VOC		1.403	1.403								
592-910760	7/10/2023 10:42:38 AM		VOC		1.399	1.399								
592-910760	7/10/2023 10:42:28 AM		VOC		1.403	1.403								
592-910760	7/10/2023 10:42:18 AM		VOC		1.4	1.4								
592-910760	7/10/2023 10:42:08 AM		VOC		1.4	1.4								
592-910760	7/10/2023 10:41:58 AM		VOC		1.401	1.401								
592-910760	7/10/2023 10:41:48 AM		VOC		1.402	1.402								
592-910760	7/10/2023 10:41:38 AM		VOC		1.4	1.4								
592-910760	7/10/2023 10:41:28 AM		VOC		1.399	1.399								
592-910760	7/10/2023 10:41:18 AM		VOC		1.403	1.403								
592-910760	7/10/2023 10:41:08 AM		VOC		1.401	1.401								
592-910760	7/10/2023 10:40:58 AM		VOC		1.403	1.403								
592-910760	7/10/2023 10:40:48 AM		VOC		1.404	1.404								
592-910760	7/10/2023 10:40:38 AM		VOC		1.402	1.402								
592-910760	7/10/2023 10:40:28 AM		VOC		1.4	1.4								
592-910760	7/10/2023 10:40:18 AM		VOC		1.402	1.402								
592-910760	7/10/2023 10:40:08 AM		VOC		1.401	1.401								
592-910760	7/10/2023 10:39:58 AM		VOC		1.399	1.399								
592-910760	7/10/2023 10:39:48 AM		VOC		1.401	1.401								
592-910760	7/10/2023 10:39:38 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:39:28 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:39:18 AM		VOC		1.397	1.397								
592-910760	7/10/2023 10:39:08 AM		VOC		1.402	1.402								

592-910760	7/10/2023 10:38:58 AM		VOC		1.401	1.401								
592-910760	7/10/2023 10:38:48 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:38:38 AM		VOC		1.403	1.403								
592-910760	7/10/2023 10:38:28 AM		VOC		1.406	1.406								
592-910760	7/10/2023 10:38:18 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:38:08 AM		VOC		1.406	1.406								
592-910760	7/10/2023 10:37:58 AM		VOC		1.403	1.403								
592-910760	7/10/2023 10:37:48 AM		VOC		1.402	1.402								
592-910760	7/10/2023 10:37:38 AM		VOC		1.407	1.407								
592-910760	7/10/2023 10:37:28 AM		VOC		1.407	1.407								
592-910760	7/10/2023 10:37:18 AM		VOC		1.403	1.403								
592-910760	7/10/2023 10:37:08 AM		VOC		1.404	1.404								
592-910760	7/10/2023 10:36:58 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:36:48 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:36:38 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:36:28 AM		VOC		1.402	1.402								
592-910760	7/10/2023 10:36:18 AM		VOC		1.404	1.404								
592-910760	7/10/2023 10:36:08 AM		VOC		1.409	1.409								
592-910760	7/10/2023 10:35:58 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:35:48 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:35:38 AM		VOC		1.403	1.403								
592-910760	7/10/2023 10:35:28 AM		VOC		1.406	1.406								
592-910760	7/10/2023 10:35:18 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:35:08 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:34:58 AM		VOC		1.398	1.398								
592-910760	7/10/2023 10:34:48 AM		VOC		1.4	1.4								
592-910760	7/10/2023 10:34:38 AM		VOC		1.399	1.399								
592-910760	7/10/2023 10:34:28 AM		VOC		1.399	1.399								
592-910760	7/10/2023 10:34:18 AM		VOC		1.4	1.4								
592-910760	7/10/2023 10:34:08 AM		VOC		1.396	1.396								
592-910760	7/10/2023 10:33:58 AM		VOC		1.398	1.398								
592-910760	7/10/2023 10:33:48 AM		VOC		1.399	1.399								
592-910760	7/10/2023 10:33:38 AM		VOC		1.397	1.397								
592-910760	7/10/2023 10:33:28 AM		VOC		1.398	1.398								
592-910760	7/10/2023 10:33:18 AM		VOC		1.396	1.396								
592-910760	7/10/2023 10:33:08 AM		VOC		1.393	1.393								
592-910760	7/10/2023 10:32:58 AM		VOC		1.393	1.393								
592-910760	7/10/2023 10:32:48 AM		VOC		1.396	1.396								
592-910760	7/10/2023 10:32:38 AM		VOC		1.395	1.395								
592-910760	7/10/2023 10:32:28 AM		VOC		1.397	1.397								
592-910760	7/10/2023 10:32:18 AM		VOC		1.4	1.4								
592-910760	7/10/2023 10:32:08 AM		VOC		1.396	1.396								
592-910760	7/10/2023 10:31:58 AM		VOC		1.396	1.396								
592-910760	7/10/2023 10:31:48 AM		VOC		1.4	1.4								
592-910760	7/10/2023 10:31:38 AM		VOC		1.401	1.401								
592-910760	7/10/2023 10:31:28 AM		VOC		1.399	1.399								
592-910760	7/10/2023 10:31:18 AM		VOC		1.4	1.4								
592-910760	7/10/2023 10:31:08 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:30:58 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:30:48 AM		VOC		1.401	1.401								
592-910760	7/10/2023 10:30:38 AM		VOC		1.403	1.403								
592-910760	7/10/2023 10:30:28 AM		VOC		1.403	1.403								
592-910760	7/10/2023 10:30:18 AM		VOC		1.4	1.4								
592-910760	7/10/2023 10:30:08 AM		VOC		1.402	1.402								
592-910760	7/10/2023 10:29:58 AM		VOC		1.397	1.397								
592-910760	7/10/2023 10:29:48 AM		VOC		1.399	1.399								
592-910760	7/10/2023 10:29:38 AM		VOC		1.403	1.403								
592-910760	7/10/2023 10:29:28 AM		VOC		1.403	1.403								
592-910760	7/10/2023 10:29:18 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:29:08 AM		VOC		1.409	1.409								
592-910760	7/10/2023 10:28:58 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:28:48 AM		VOC		1.412	1.412								
592-910760	7/10/2023 10:28:38 AM		VOC		1.412	1.412								
592-910760	7/10/2023 10:28:28 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:28:18 AM		VOC		1.407	1.407								
592-910760	7/10/2023 10:28:08 AM		VOC		1.407	1.407								
592-910760	7/10/2023 10:27:58 AM		VOC		1.413	1.413								
592-910760	7/10/2023 10:27:48 AM		VOC		1.411	1.411								
592-910760	7/10/2023 10:27:38 AM		VOC		1.41	1.41								
592-910760	7/10/2023 10:27:28 AM		VOC		1.413	1.413								
592-910760	7/10/2023 10:27:18 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:27:08 AM		VOC		1.41	1.41								
592-910760	7/10/2023 10:26:58 AM		VOC		1.411	1.411								
592-910760	7/10/2023 10:26:48 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:26:38 AM		VOC		1.409	1.409								
592-910760	7/10/2023 10:26:28 AM		VOC		1.407	1.407								
592-910760	7/10/2023 10:26:18 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:26:08 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:25:58 AM		VOC		1.406	1.406								
592-910760	7/10/2023 10:25:48 AM		VOC		1.409	1.409								
592-910760	7/10/2023 10:25:38 AM		VOC		1.407	1.407								
592-910760	7/10/2023 10:25:28 AM		VOC		1.406	1.406								
592-910760	7/10/2023 10:25:18 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:25:08 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:24:58 AM		VOC		1.407	1.407								
592-910760	7/10/2023 10:24:48 AM		VOC		1.406	1.406								
592-910760	7/10/2023 10:24:38 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:24:28 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:24:18 AM		VOC		1.41	1.41								
592-910760	7/10/2023 10:24:08 AM		VOC		1.41	1.41								
592-910760	7/10/2023 10:23:58 AM		VOC		1.412	1.412								
592-910760	7/10/2023 10:23:48 AM		VOC		1.411	1.411								
592-910760	7/10/2023 10:23:38 AM		VOC		1.411	1.411								
592-910760	7/10/2023 10:23:28 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:23:18 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:23:08 AM		VOC		1.414	1.414								
592-910760	7/10/2023 10:22:58 AM		VOC		1.409	1.409								
592-910760	7/10/2023 10:22:48 AM		VOC		1.407	1.407								
592-910760	7/10/2023 10:22:38 AM		VOC		1.409	1.409								
592-910760	7/10/2023 10:22:28 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:22:18 AM		VOC		1.407	1.407								

592-910760	7/10/2023 10:22:08 AM		VOC		1.407	1.407								
592-910760	7/10/2023 10:21:58 AM		VOC		1.406	1.406								
592-910760	7/10/2023 10:21:48 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:21:38 AM		VOC		1.406	1.406								
592-910760	7/10/2023 10:21:28 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:21:18 AM		VOC		1.406	1.406								
592-910760	7/10/2023 10:21:08 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:20:58 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:20:48 AM		VOC		1.407	1.407								
592-910760	7/10/2023 10:20:38 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:20:28 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:20:18 AM		VOC		1.403	1.403								
592-910760	7/10/2023 10:20:08 AM		VOC		1.409	1.409								
592-910760	7/10/2023 10:19:58 AM		VOC		1.407	1.407								
592-910760	7/10/2023 10:19:48 AM		VOC		1.409	1.409								
592-910760	7/10/2023 10:19:38 AM		VOC		1.407	1.407								
592-910760	7/10/2023 10:19:28 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:19:18 AM		VOC		1.409	1.409								
592-910760	7/10/2023 10:19:08 AM		VOC		1.408	1.408								
592-910760	7/10/2023 10:18:58 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:18:48 AM		VOC		1.405	1.405								
592-910760	7/10/2023 10:18:38 AM		VOC		1.404	1.404								
592-910760	7/10/2023 10:18:28 AM		VOC		1.403	1.403								
592-910760	7/10/2023 10:18:18 AM		VOC		1.404	1.404								
592-910760	7/10/2023 10:18:08 AM		VOC		1.398	1.398								
592-910760	7/10/2023 10:17:58 AM		VOC		1.401	1.401								
592-910760	7/10/2023 10:17:48 AM		VOC		1.401	1.401								
592-910760	7/10/2023 10:17:38 AM		VOC		1.401	1.401								
592-910760	7/10/2023 10:17:28 AM		VOC		1.399	1.399								
592-910760	7/10/2023 10:17:18 AM		VOC		1.399	1.399								
592-910760	7/10/2023 10:17:08 AM		VOC		1.395	1.395								
592-910760	7/10/2023 10:16:58 AM		VOC		1.394	1.394								
592-910760	7/10/2023 10:16:48 AM		VOC		1.392	1.392								
592-910760	7/10/2023 10:16:38 AM		VOC		1.39	1.39								
592-910760	7/10/2023 10:16:28 AM		VOC		1.395	1.395								
592-910760	7/10/2023 10:16:18 AM		VOC		1.393	1.393								
592-910760	7/10/2023 10:16:08 AM		VOC		1.393	1.393								
592-910760	7/10/2023 10:15:58 AM		VOC		1.394	1.394								
592-910760	7/10/2023 10:15:48 AM		VOC		1.387	1.387								
592-910760	7/10/2023 10:15:38 AM		VOC		1.385	1.385								
592-910760	7/10/2023 10:15:28 AM		VOC		1.389	1.389								
592-910760	7/10/2023 10:15:18 AM		VOC		1.387	1.387								
592-910760	7/10/2023 10:15:08 AM		VOC		1.383	1.383								
592-910760	7/10/2023 10:14:58 AM		VOC		1.384	1.384								
592-910760	7/10/2023 10:14:48 AM		VOC		1.38	1.38								
592-910760	7/10/2023 10:14:38 AM		VOC		1.372	1.372								
592-910760	7/10/2023 10:14:28 AM		VOC		1.376	1.376								
592-910760	7/10/2023 10:14:18 AM		VOC		1.375	1.375								
592-910760	7/10/2023 10:14:08 AM		VOC		1.373	1.373								
592-910760	7/10/2023 10:13:58 AM		VOC		1.376	1.376								
592-910760	7/10/2023 10:13:48 AM		VOC		1.38	1.38								
592-910760	7/10/2023 10:13:38 AM		VOC		1.374	1.374								
592-910760	7/10/2023 10:13:28 AM		VOC		1.373	1.373								
592-910760	7/10/2023 10:13:18 AM		VOC		1.375	1.375								
592-910760	7/10/2023 10:13:08 AM		VOC		1.371	1.371								
592-910760	7/10/2023 10:12:58 AM		VOC		1.367	1.367								
592-910760	7/10/2023 10:12:48 AM		VOC		1.371	1.371								
592-910760	7/10/2023 10:12:38 AM		VOC		1.368	1.368								
592-910760	7/10/2023 10:12:28 AM		VOC		1.357	1.357								
592-910760	7/10/2023 10:12:18 AM		VOC		1.362	1.362								
592-910760	7/10/2023 10:12:08 AM		VOC		1.36	1.36								
592-910760	7/10/2023 10:11:58 AM		VOC		1.362	1.362								
592-910760	7/10/2023 10:11:48 AM		VOC		1.359	1.359								
592-910760	7/10/2023 10:11:38 AM		VOC		1.356	1.356								
592-910760	7/10/2023 10:11:28 AM		VOC		1.354	1.354								
592-910760	7/10/2023 10:11:18 AM		VOC		1.354	1.354								
592-910760	7/10/2023 10:11:08 AM		VOC		1.351	1.351								
592-910760	7/10/2023 10:10:58 AM		VOC		1.352	1.352								
592-910760	7/10/2023 10:10:48 AM		VOC		1.347	1.347								
592-910760	7/10/2023 10:10:38 AM		VOC		1.35	1.35								
592-910760	7/10/2023 10:10:28 AM		VOC		1.342	1.342								
592-910760	7/10/2023 10:10:18 AM		VOC		1.344	1.344								
592-910760	7/10/2023 10:10:08 AM		VOC		1.348	1.348								
592-910760	7/10/2023 10:09:58 AM		VOC		1.343	1.343								
592-910760	7/10/2023 10:09:48 AM		VOC		1.341	1.341								
592-910760	7/10/2023 10:09:38 AM		VOC		1.34	1.34								
592-910760	7/10/2023 10:09:28 AM		VOC		1.334	1.334								
592-910760	7/10/2023 10:09:18 AM		VOC		1.336	1.336								
592-910760	7/10/2023 10:09:08 AM		VOC		1.335	1.335								
592-910760	7/10/2023 10:08:58 AM		VOC		1.33	1.33								
592-910760	7/10/2023 10:08:48 AM		VOC		1.325	1.325								
592-910760	7/10/2023 10:08:38 AM		VOC		1.325	1.325								
592-910760	7/10/2023 10:08:28 AM		VOC		1.322	1.322								
592-910760	7/10/2023 10:08:18 AM		VOC		1.319	1.319								
592-910760	7/10/2023 10:08:08 AM		VOC		1.322	1.322								
592-910760	7/10/2023 10:07:58 AM		VOC		1.319	1.319								
592-910760	7/10/2023 10:07:48 AM		VOC		1.318	1.318								
592-910760	7/10/2023 10:07:38 AM		VOC		1.319	1.319								
592-910760	7/10/2023 10:07:28 AM		VOC		1.321	1.321								
592-910760	7/10/2023 10:07:18 AM		VOC		1.315	1.315								
592-910760	7/10/2023 10:07:08 AM		VOC		1.309	1.309								
592-910760	7/10/2023 10:06:58 AM		VOC		1.305	1.305								
592-910760	7/10/2023 10:06:48 AM		VOC		1.308	1.308								
592-910760	7/10/2023 10:06:38 AM		VOC		1.31	1.31								
592-910760	7/10/2023 10:06:28 AM		VOC		1.3	1.3								
592-910760	7/10/2023 10:06:18 AM		VOC		1.305	1.305								
592-910760	7/10/2023 10:06:08 AM		VOC		1.301	1.301								
592-910760	7/10/2023 10:05:58 AM		VOC		1.3	1.3								
592-910760	7/10/2023 10:05:48 AM		VOC		1.302	1.302								
592-910760	7/10/2023 10:05:38 AM		VOC		1.298	1.298								
592-910760	7/10/2023 10:05:28 AM		VOC		1.299	1.299								

592-910760	7/10/2023 10:05:18 AM		VOC		1.298	1.298								
592-910760	7/10/2023 10:05:08 AM		VOC		1.297	1.297								
592-910760	7/10/2023 10:04:58 AM		VOC		1.297	1.297								
592-910760	7/10/2023 10:04:48 AM		VOC		1.305	1.305								
592-910760	7/10/2023 10:04:38 AM		VOC		1.299	1.299								
592-910760	7/10/2023 10:04:28 AM		VOC		1.29	1.29								
592-910760	7/10/2023 10:04:18 AM		VOC		1.291	1.291								
592-910760	7/10/2023 10:04:08 AM		VOC		1.292	1.292								
592-910760	7/10/2023 10:03:58 AM		VOC		1.292	1.292								
592-910760	7/10/2023 10:03:48 AM		VOC		1.31	1.31								
592-910760	7/10/2023 10:03:38 AM		VOC		1.304	1.304								
592-910760	7/10/2023 10:03:28 AM		VOC		1.298	1.298								
592-910760	7/10/2023 10:03:18 AM		VOC		1.302	1.302								
592-910760	7/10/2023 10:03:08 AM		VOC		1.301	1.301								
592-910760	7/10/2023 10:02:58 AM		VOC		1.314	1.314								
592-910760	7/10/2023 10:02:48 AM		VOC		1.305	1.305								
592-910760	7/10/2023 10:02:38 AM		VOC		1.298	1.298								
592-910760	7/10/2023 10:02:28 AM		VOC		1.272	1.272								
592-910760	7/10/2023 10:02:18 AM		VOC		1.264	1.264								
592-910760	7/10/2023 10:02:08 AM		VOC		1.263	1.263								
592-910760	7/10/2023 10:01:58 AM		VOC		1.26	1.26								
592-910760	7/10/2023 10:01:48 AM		VOC		1.26	1.26								
592-910760	7/10/2023 10:01:38 AM		VOC		1.257	1.257								
592-910760	7/10/2023 10:01:28 AM		VOC		1.259	1.259								
592-910760	7/10/2023 10:01:18 AM		VOC		1.254	1.254								
592-910760	7/10/2023 10:01:08 AM		VOC		1.253	1.253								
592-910760	7/10/2023 10:00:58 AM		VOC		1.255	1.255								
592-910760	7/10/2023 10:00:48 AM		VOC		1.248	1.248								
592-910760	7/10/2023 10:00:38 AM		VOC		1.241	1.241								
592-910760	7/10/2023 10:00:28 AM		VOC		1.236	1.236								
592-910760	7/10/2023 10:00:18 AM		VOC		1.237	1.237								
592-910760	7/10/2023 10:00:08 AM		VOC		1.237	1.237								
592-910760	7/10/2023 9:59:58 AM		VOC		1.232	1.232								
592-910760	7/10/2023 9:59:48 AM		VOC		1.228	1.228								
592-910760	7/10/2023 9:59:38 AM		VOC		1.227	1.227								
592-910760	7/10/2023 9:59:28 AM		VOC		1.229	1.229								
592-910760	7/10/2023 9:59:18 AM		VOC		1.225	1.225								
592-910760	7/10/2023 9:59:08 AM		VOC		1.216	1.216								
592-910760	7/10/2023 9:58:58 AM		VOC		1.22	1.22								
592-910760	7/10/2023 9:58:48 AM		VOC		1.211	1.211								
592-910760	7/10/2023 9:58:38 AM		VOC		1.212	1.212								
592-910760	7/10/2023 9:58:28 AM		VOC		1.211	1.211								
592-910760	7/10/2023 9:58:18 AM		VOC		1.207	1.207								
592-910760	7/10/2023 9:58:08 AM		VOC		1.206	1.206								
592-910760	7/10/2023 9:57:58 AM		VOC		1.199	1.199								
592-910760	7/10/2023 9:57:48 AM		VOC		1.204	1.204								
592-910760	7/10/2023 9:57:38 AM		VOC		1.211	1.211								
592-910760	7/10/2023 9:57:28 AM		VOC		1.2	1.2								
592-910760	7/10/2023 9:57:18 AM		VOC		1.194	1.194								
592-910760	7/10/2023 9:57:08 AM		VOC		1.192	1.192								
592-910760	7/10/2023 9:56:58 AM		VOC		1.188	1.188								
592-910760	7/10/2023 9:56:48 AM		VOC		1.19	1.19								
592-910760	7/10/2023 9:56:38 AM		VOC		1.19	1.19								
592-910760	7/10/2023 9:56:28 AM		VOC		1.188	1.188								
592-910760	7/10/2023 9:56:18 AM		VOC		1.189	1.189								
592-910760	7/10/2023 9:56:08 AM		VOC		1.188	1.188								
592-910760	7/10/2023 9:55:58 AM		VOC		1.184	1.184								
592-910760	7/10/2023 9:55:48 AM		VOC		1.181	1.181								
592-910760	7/10/2023 9:55:38 AM		VOC		1.18	1.18								
592-910760	7/10/2023 9:55:28 AM		VOC		1.174	1.174								
592-910760	7/10/2023 9:55:18 AM		VOC		1.174	1.174								
592-910760	7/10/2023 9:55:08 AM		VOC		1.174	1.174								
592-910760	7/10/2023 9:54:58 AM		VOC		1.173	1.173								
592-910760	7/10/2023 9:54:48 AM		VOC		1.178	1.178								
592-910760	7/10/2023 9:54:38 AM		VOC		1.177	1.177								
592-910760	7/10/2023 9:54:28 AM		VOC		1.177	1.177								
592-910760	7/10/2023 9:54:18 AM		VOC		1.172	1.172								
592-910760	7/10/2023 9:54:08 AM		VOC		1.171	1.171								
592-910760	7/10/2023 9:53:58 AM		VOC		1.166	1.166								
592-910760	7/10/2023 9:53:48 AM		VOC		1.167	1.167								
592-910760	7/10/2023 9:53:38 AM		VOC		1.164	1.164								
592-910760	7/10/2023 9:53:28 AM		VOC		1.16	1.16								
592-910760	7/10/2023 9:53:18 AM		VOC		1.158	1.158								
592-910760	7/10/2023 9:53:08 AM		VOC		1.157	1.157								
592-910760	7/10/2023 9:52:58 AM		VOC		1.153	1.153								
592-910760	7/10/2023 9:52:48 AM		VOC		1.153	1.153								
592-910760	7/10/2023 9:52:38 AM		VOC		1.155	1.155								
592-910760	7/10/2023 9:52:28 AM		VOC		1.153	1.153								
592-910760	7/10/2023 9:52:18 AM		VOC		1.151	1.151								
592-910760	7/10/2023 9:52:08 AM		VOC		1.144	1.144								
592-910760	7/10/2023 9:51:58 AM		VOC		1.141	1.141								
592-910760	7/10/2023 9:51:48 AM		VOC		1.14	1.14								
592-910760	7/10/2023 9:51:38 AM		VOC		1.133	1.133								
592-910760	7/10/2023 9:51:28 AM		VOC		1.137	1.137								
592-910760	7/10/2023 9:51:18 AM		VOC		1.134	1.134								
592-910760	7/10/2023 9:51:08 AM		VOC		1.13	1.13								
592-910760	7/10/2023 9:50:58 AM		VOC		1.133	1.133								
592-910760	7/10/2023 9:50:48 AM		VOC		1.128	1.128								
592-910760	7/10/2023 9:50:38 AM		VOC		1.122	1.122								
592-910760	7/10/2023 9:50:28 AM		VOC		1.123	1.123								
592-910760	7/10/2023 9:50:18 AM		VOC		1.123	1.123								
592-910760	7/10/2023 9:50:08 AM		VOC		1.121	1.121								
592-910760	7/10/2023 9:49:58 AM		VOC		1.116	1.116								
592-910760	7/10/2023 9:49:48 AM		VOC		1.121	1.121								
592-910760	7/10/2023 9:49:38 AM		VOC		1.118	1.118								
592-910760	7/10/2023 9:49:28 AM		VOC		1.12	1.12								
592-910760	7/10/2023 9:49:18 AM		VOC		1.12	1.12								
592-910760	7/10/2023 9:49:08 AM		VOC		1.113	1.113								
592-910760	7/10/2023 9:48:58 AM		VOC		1.108	1.108								
592-910760	7/10/2023 9:48:48 AM		VOC		1.104	1.104								
592-910760	7/10/2023 9:48:38 AM		VOC		1.106	1.106								

592-910760	7/10/2023 9:48:28 AM		VOC		1.1	1.1								
592-910760	7/10/2023 9:48:18 AM		VOC		1.106	1.106								
592-910760	7/10/2023 9:48:08 AM		VOC		1.098	1.098								
592-910760	7/10/2023 9:47:58 AM		VOC		1.098	1.098								
592-910760	7/10/2023 9:47:48 AM		VOC		1.099	1.099								
592-910760	7/10/2023 9:47:38 AM		VOC		1.101	1.101								
592-910760	7/10/2023 9:47:28 AM		VOC		1.094	1.094								
592-910760	7/10/2023 9:47:18 AM		VOC		1.099	1.099								
592-910760	7/10/2023 9:47:08 AM		VOC		1.09	1.09								
592-910760	7/10/2023 9:46:58 AM		VOC		1.093	1.093								
592-910760	7/10/2023 9:46:48 AM		VOC		1.094	1.094								
592-910760	7/10/2023 9:46:38 AM		VOC		1.106	1.106								
592-910760	7/10/2023 9:46:28 AM		VOC		1.116	1.116								
592-910760	7/10/2023 9:46:18 AM		VOC		1.083	1.083								
592-910760	7/10/2023 9:46:08 AM		VOC		1.081	1.081								
592-910760	7/10/2023 9:45:58 AM		VOC		1.083	1.083								
592-910760	7/10/2023 9:45:48 AM		VOC		1.079	1.079								
592-910760	7/10/2023 9:45:38 AM		VOC		1.081	1.081								
592-910760	7/10/2023 9:45:28 AM		VOC		1.08	1.08								
592-910760	7/10/2023 9:45:18 AM		VOC		1.08	1.08								
592-910760	7/10/2023 9:45:08 AM		VOC		1.065	1.065								
592-910760	7/10/2023 9:44:58 AM		VOC		1.074	1.074								
592-910760	7/10/2023 9:44:48 AM		VOC		1.074	1.074								
592-910760	7/10/2023 9:44:38 AM		VOC		1.065	1.065								
592-910760	7/10/2023 9:44:28 AM		VOC		1.068	1.068								
592-910760	7/10/2023 9:44:18 AM		VOC		1.07	1.07								
592-910760	7/10/2023 9:44:08 AM		VOC		1.071	1.071								
592-910760	7/10/2023 9:43:58 AM		VOC		1.066	1.066								
592-910760	7/10/2023 9:43:48 AM		VOC		1.062	1.062								
592-910760	7/10/2023 9:43:38 AM		VOC		1.063	1.063								
592-910760	7/10/2023 9:43:28 AM		VOC		1.061	1.061								
592-910760	7/10/2023 9:43:18 AM		VOC		1.06	1.06								
592-910760	7/10/2023 9:43:08 AM		VOC		1.061	1.061								
592-910760	7/10/2023 9:42:58 AM		VOC		1.055	1.055								
592-910760	7/10/2023 9:42:48 AM		VOC		1.049	1.049								
592-910760	7/10/2023 9:42:38 AM		VOC		1.048	1.048								
592-910760	7/10/2023 9:42:28 AM		VOC		1.045	1.045								
592-910760	7/10/2023 9:42:18 AM		VOC		1.044	1.044								
592-910760	7/10/2023 9:42:08 AM		VOC		1.049	1.049								
592-910760	7/10/2023 9:41:58 AM		VOC		1.046	1.046								
592-910760	7/10/2023 9:41:48 AM		VOC		1.048	1.048								
592-910760	7/10/2023 9:41:38 AM		VOC		1.05	1.05								
592-910760	7/10/2023 9:41:28 AM		VOC		1.047	1.047								
592-910760	7/10/2023 9:41:18 AM		VOC		1.044	1.044								
592-910760	7/10/2023 9:41:08 AM		VOC		1.036	1.036								
592-910760	7/10/2023 9:40:58 AM		VOC		1.038	1.038								
592-910760	7/10/2023 9:40:48 AM		VOC		1.033	1.033								
592-910760	7/10/2023 9:40:38 AM		VOC		1.025	1.025								
592-910760	7/10/2023 9:40:28 AM		VOC		1.024	1.024								
592-910760	7/10/2023 9:40:18 AM		VOC		1.035	1.035								
592-910760	7/10/2023 9:40:08 AM		VOC		1.032	1.032								
592-910760	7/10/2023 9:39:58 AM		VOC		1.023	1.023								
592-910760	7/10/2023 9:39:48 AM		VOC		1.032	1.032								
592-910760	7/10/2023 9:39:38 AM		VOC		1.034	1.034								
592-910760	7/10/2023 9:39:28 AM		VOC		1.03	1.03								
592-910760	7/10/2023 9:39:18 AM		VOC		1.022	1.022								
592-910760	7/10/2023 9:39:08 AM		VOC		1.027	1.027								
592-910760	7/10/2023 9:38:58 AM		VOC		1.028	1.028								
592-910760	7/10/2023 9:38:48 AM		VOC		1.023	1.023								
592-910760	7/10/2023 9:38:38 AM		VOC		1.016	1.016								
592-910760	7/10/2023 9:38:28 AM		VOC		1.011	1.011								
592-910760	7/10/2023 9:38:18 AM		VOC		1.013	1.013								
592-910760	7/10/2023 9:38:08 AM		VOC		1.014	1.014								
592-910760	7/10/2023 9:37:58 AM		VOC		1.013	1.013								
592-910760	7/10/2023 9:37:48 AM		VOC		1.007	1.007								
592-910760	7/10/2023 9:37:38 AM		VOC		1.001	1.001								
592-910760	7/10/2023 9:37:28 AM		VOC		1.001	1.001								
592-910760	7/10/2023 9:37:18 AM		VOC		1.0	1.0								
592-910760	7/10/2023 9:37:08 AM		VOC		1.003	1.003								
592-910760	7/10/2023 9:36:58 AM		VOC		1.007	1.007								
592-910760	7/10/2023 9:36:48 AM		VOC		0.996	0.996								
592-910760	7/10/2023 9:36:38 AM		VOC		1.0	1.0								
592-910760	7/10/2023 9:36:28 AM		VOC		0.996	0.996								
592-910760	7/10/2023 9:36:18 AM		VOC		0.989	0.989								
592-910760	7/10/2023 9:36:08 AM		VOC		0.992	0.992								
592-910760	7/10/2023 9:35:58 AM		VOC		0.989	0.989								
592-910760	7/10/2023 9:35:48 AM		VOC		0.989	0.989								
592-910760	7/10/2023 9:35:38 AM		VOC		0.985	0.985								
592-910760	7/10/2023 9:35:28 AM		VOC		0.985	0.985								
592-910760	7/10/2023 9:35:18 AM		VOC		0.985	0.985								
592-910760	7/10/2023 9:35:08 AM		VOC		0.989	0.989								
592-910760	7/10/2023 9:34:58 AM		VOC		0.983	0.983								
592-910760	7/10/2023 9:34:48 AM		VOC		0.974	0.974								
592-910760	7/10/2023 9:34:38 AM		VOC		0.984	0.984								
592-910760	7/10/2023 9:34:28 AM		VOC		0.985	0.985								
592-910760	7/10/2023 9:34:18 AM		VOC		0.982	0.982								
592-910760	7/10/2023 9:34:08 AM		VOC		0.984	0.984								
592-910760	7/10/2023 9:33:58 AM		VOC		0.972	0.972								
592-910760	7/10/2023 9:33:48 AM		VOC		0.975	0.975								
592-910760	7/10/2023 9:33:38 AM		VOC		0.981	0.981								
592-910760	7/10/2023 9:33:28 AM		VOC		0.977	0.977								
592-910760	7/10/2023 9:33:18 AM		VOC		0.976	0.976								
592-910760	7/10/2023 9:33:08 AM		VOC		0.979	0.979								
592-910760	7/10/2023 9:32:58 AM		VOC		0.976	0.976								
592-910760	7/10/2023 9:32:48 AM		VOC		0.969	0.969								
592-910760	7/10/2023 9:32:38 AM		VOC		0.968	0.968								
592-910760	7/10/2023 9:32:28 AM		VOC		0.969	0.969								
592-910760	7/10/2023 9:32:18 AM		VOC		0.966	0.966								
592-910760	7/10/2023 9:32:08 AM		VOC		0.958	0.958								
592-910760	7/10/2023 9:31:58 AM		VOC		0.953	0.953								
592-910760	7/10/2023 9:31:48 AM		VOC		0.96	0.96								

592-910760	7/10/2023 9:31:38 AM		VOC		0.958	0.958								
592-910760	7/10/2023 9:31:28 AM		VOC		0.955	0.955								
592-910760	7/10/2023 9:31:18 AM		VOC		0.955	0.955								
592-910760	7/10/2023 9:31:08 AM		VOC		0.956	0.956								
592-910760	7/10/2023 9:30:58 AM		VOC		0.948	0.948								
592-910760	7/10/2023 9:30:48 AM		VOC		0.945	0.945								
592-910760	7/10/2023 9:30:38 AM		VOC		0.94	0.94								
592-910760	7/10/2023 9:30:28 AM		VOC		0.944	0.944								
592-910760	7/10/2023 9:30:18 AM		VOC		0.946	0.946								
592-910760	7/10/2023 9:30:08 AM		VOC		0.949	0.949								
592-910760	7/10/2023 9:29:58 AM		VOC		0.945	0.945								
592-910760	7/10/2023 9:29:48 AM		VOC		0.939	0.939								
592-910760	7/10/2023 9:29:38 AM		VOC		0.944	0.944								
592-910760	7/10/2023 9:29:28 AM		VOC		0.942	0.942								
592-910760	7/10/2023 9:29:18 AM		VOC		0.933	0.933								
592-910760	7/10/2023 9:29:08 AM		VOC		0.932	0.932								
592-910760	7/10/2023 9:28:58 AM		VOC		0.936	0.936								
592-910760	7/10/2023 9:28:48 AM		VOC		0.938	0.938								
592-910760	7/10/2023 9:28:38 AM		VOC		0.934	0.934								
592-910760	7/10/2023 9:28:28 AM		VOC		0.928	0.928								
592-910760	7/10/2023 9:28:18 AM		VOC		0.933	0.933								
592-910760	7/10/2023 9:28:08 AM		VOC		0.936	0.936								
592-910760	7/10/2023 9:27:58 AM		VOC		0.931	0.931								
592-910760	7/10/2023 9:27:48 AM		VOC		0.928	0.928								
592-910760	7/10/2023 9:27:38 AM		VOC		0.931	0.931								
592-910760	7/10/2023 9:27:28 AM		VOC		0.922	0.922								
592-910760	7/10/2023 9:27:18 AM		VOC		0.927	0.927								
592-910760	7/10/2023 9:27:08 AM		VOC		0.929	0.929								
592-910760	7/10/2023 9:26:58 AM		VOC		0.924	0.924								
592-910760	7/10/2023 9:26:48 AM		VOC		0.934	0.934								
592-910760	7/10/2023 9:26:38 AM		VOC		0.926	0.926								
592-910760	7/10/2023 9:26:28 AM		VOC		0.921	0.921								
592-910760	7/10/2023 9:26:18 AM		VOC		0.923	0.923								
592-910760	7/10/2023 9:26:08 AM		VOC		0.912	0.912								
592-910760	7/10/2023 9:25:58 AM		VOC		0.916	0.916								
592-910760	7/10/2023 9:25:48 AM		VOC		0.914	0.914								
592-910760	7/10/2023 9:25:38 AM		VOC		0.911	0.911								
592-910760	7/10/2023 9:25:28 AM		VOC		0.911	0.911								
592-910760	7/10/2023 9:25:18 AM		VOC		0.914	0.914								
592-910760	7/10/2023 9:25:08 AM		VOC		0.914	0.914								
592-910760	7/10/2023 9:24:58 AM		VOC		0.917	0.917								
592-910760	7/10/2023 9:24:48 AM		VOC		0.908	0.908								
592-910760	7/10/2023 9:24:38 AM		VOC		0.906	0.906								
592-910760	7/10/2023 9:24:28 AM		VOC		0.907	0.907								
592-910760	7/10/2023 9:24:18 AM		VOC		0.907	0.907								
592-910760	7/10/2023 9:24:08 AM		VOC		0.91	0.91								
592-910760	7/10/2023 9:23:58 AM		VOC		0.908	0.908								
592-910760	7/10/2023 9:23:48 AM		VOC		0.914	0.914								
592-910760	7/10/2023 9:23:38 AM		VOC		0.907	0.907								
592-910760	7/10/2023 9:23:28 AM		VOC		0.909	0.909								
592-910760	7/10/2023 9:23:18 AM		VOC		0.906	0.906								
592-910760	7/10/2023 9:23:08 AM		VOC		0.908	0.908								
592-910760	7/10/2023 9:22:58 AM		VOC		0.902	0.902								
592-910760	7/10/2023 9:22:48 AM		VOC		0.9	0.9								
592-910760	7/10/2023 9:22:38 AM		VOC		0.904	0.904								
592-910760	7/10/2023 9:22:28 AM		VOC		0.907	0.907								
592-910760	7/10/2023 9:22:18 AM		VOC		0.904	0.904								
592-910760	7/10/2023 9:22:08 AM		VOC		0.899	0.899								
592-910760	7/10/2023 9:21:58 AM		VOC		0.904	0.904								
592-910760	7/10/2023 9:21:48 AM		VOC		0.905	0.905								
592-910760	7/10/2023 9:21:38 AM		VOC		0.906	0.906								
592-910760	7/10/2023 9:21:28 AM		VOC		0.894	0.894								
592-910760	7/10/2023 9:21:18 AM		VOC		0.898	0.898								
592-910760	7/10/2023 9:21:08 AM		VOC		0.896	0.896								
592-910760	7/10/2023 9:20:58 AM		VOC		0.903	0.903								
592-910760	7/10/2023 9:20:48 AM		VOC		0.895	0.895								
592-910760	7/10/2023 9:20:38 AM		VOC		0.894	0.894								
592-910760	7/10/2023 9:20:28 AM		VOC		0.896	0.896								
592-910760	7/10/2023 9:20:18 AM		VOC		0.891	0.891								
592-910760	7/10/2023 9:20:08 AM		VOC		0.889	0.889								
592-910760	7/10/2023 9:19:58 AM		VOC		0.885	0.885								
592-910760	7/10/2023 9:19:48 AM		VOC		0.894	0.894								
592-910760	7/10/2023 9:19:38 AM		VOC		0.89	0.89								
592-910760	7/10/2023 9:19:28 AM		VOC		0.892	0.892								
592-910760	7/10/2023 9:19:18 AM		VOC		0.885	0.885								
592-910760	7/10/2023 9:19:08 AM		VOC		0.894	0.894								
592-910760	7/10/2023 9:18:58 AM		VOC		0.897	0.897								
592-910760	7/10/2023 9:18:48 AM		VOC		0.885	0.885								
592-910760	7/10/2023 9:18:38 AM		VOC		0.887	0.887								
592-910760	7/10/2023 9:18:28 AM		VOC		0.882	0.882								
592-910760	7/10/2023 9:18:18 AM		VOC		0.886	0.886								
592-910760	7/10/2023 9:18:08 AM		VOC		0.892	0.892								
592-910760	7/10/2023 9:17:58 AM		VOC		0.893	0.893								
592-910760	7/10/2023 9:17:48 AM		VOC		0.889	0.889								
592-910760	7/10/2023 9:17:38 AM		VOC		0.891	0.891								
592-910760	7/10/2023 9:17:28 AM		VOC		0.89	0.89								
592-910760	7/10/2023 9:17:18 AM		VOC		0.897	0.897								
592-910760	7/10/2023 9:17:08 AM		VOC		0.887	0.887								
592-910760	7/10/2023 9:16:58 AM		VOC		0.892	0.892								
592-910760	7/10/2023 9:16:48 AM		VOC		0.885	0.885								
592-910760	7/10/2023 9:16:38 AM		VOC		0.881	0.881								
592-910760	7/10/2023 9:16:28 AM		VOC		0.887	0.887								
592-910760	7/10/2023 9:16:18 AM		VOC		0.889	0.889								
592-910760	7/10/2023 9:16:08 AM		VOC		0.891	0.891								
592-910760	7/10/2023 9:15:58 AM		VOC		0.893	0.893								
592-910760	7/10/2023 9:15:48 AM		VOC		0.892	0.892								
592-910760	7/10/2023 9:15:38 AM		VOC		0.886	0.886								
592-910760	7/10/2023 9:15:28 AM		VOC		0.883	0.883								
592-910760	7/10/2023 9:15:18 AM		VOC		0.889	0.889								
592-910760	7/10/2023 9:15:08 AM		VOC		0.886	0.886								
592-910760	7/10/2023 9:14:58 AM		VOC		0.883	0.883								

592-910760	7/10/2023 9:14:48 AM		VOC		0.861	0.861								
592-910760	7/10/2023 9:14:38 AM		VOC		0.88	0.88								
592-910760	7/10/2023 9:14:28 AM		VOC		0.878	0.878								
592-910760	7/10/2023 9:14:18 AM		VOC		0.876	0.876								
592-910760	7/10/2023 9:14:08 AM		VOC		0.884	0.884								
592-910760	7/10/2023 9:13:58 AM		VOC		0.874	0.874								
592-910760	7/10/2023 9:13:48 AM		VOC		0.885	0.885								
592-910760	7/10/2023 9:13:38 AM		VOC		0.879	0.879								
592-910760	7/10/2023 9:13:28 AM		VOC		0.882	0.882								
592-910760	7/10/2023 9:13:18 AM		VOC		0.876	0.876								
592-910760	7/10/2023 9:13:08 AM		VOC		0.88	0.88								
592-910760	7/10/2023 9:12:58 AM		VOC		0.887	0.887								
592-910760	7/10/2023 9:12:48 AM		VOC		0.879	0.879								
592-910760	7/10/2023 9:12:38 AM		VOC		0.872	0.872								
592-910760	7/10/2023 9:12:28 AM		VOC		0.872	0.872								
592-910760	7/10/2023 9:12:18 AM		VOC		0.88	0.88								
592-910760	7/10/2023 9:12:08 AM		VOC		0.875	0.875								
592-910760	7/10/2023 9:11:58 AM		VOC		0.875	0.875								
592-910760	7/10/2023 9:11:48 AM		VOC		0.881	0.881								
592-910760	7/10/2023 9:11:38 AM		VOC		0.874	0.874								
592-910760	7/10/2023 9:11:28 AM		VOC		0.878	0.878								
592-910760	7/10/2023 9:11:18 AM		VOC		0.88	0.88								
592-910760	7/10/2023 9:11:08 AM		VOC		0.885	0.885								
592-910760	7/10/2023 9:10:58 AM		VOC		0.884	0.884								
592-910760	7/10/2023 9:10:48 AM		VOC		0.88	0.88								
592-910760	7/10/2023 9:10:38 AM		VOC		0.883	0.883								
592-910760	7/10/2023 9:10:28 AM		VOC		0.884	0.884								
592-910760	7/10/2023 9:10:18 AM		VOC		0.873	0.873								
592-910760	7/10/2023 9:10:08 AM		VOC		0.876	0.876								
592-910760	7/10/2023 9:09:58 AM		VOC		0.872	0.872								
592-910760	7/10/2023 9:09:48 AM		VOC		0.873	0.873								
592-910760	7/10/2023 9:09:38 AM		VOC		0.88	0.88								
592-910760	7/10/2023 9:09:28 AM		VOC		0.875	0.875								
592-910760	7/10/2023 9:09:18 AM		VOC		0.876	0.876								
592-910760	7/10/2023 9:09:08 AM		VOC		0.88	0.88								
592-910760	7/10/2023 9:08:58 AM		VOC		0.878	0.878								
592-910760	7/10/2023 9:08:48 AM		VOC		0.862	0.862								
592-910760	7/10/2023 9:08:38 AM		VOC		0.87	0.87								
592-910760	7/10/2023 9:08:28 AM		VOC		0.876	0.876								
592-910760	7/10/2023 9:08:18 AM		VOC		0.877	0.877								
592-910760	7/10/2023 9:08:08 AM		VOC		0.873	0.873								
592-910760	7/10/2023 9:07:58 AM		VOC		0.87	0.87								
592-910760	7/10/2023 9:07:48 AM		VOC		0.872	0.872								
592-910760	7/10/2023 9:07:38 AM		VOC		0.869	0.869								
592-910760	7/10/2023 9:07:28 AM		VOC		0.874	0.874								
592-910760	7/10/2023 9:07:18 AM		VOC		0.871	0.871								
592-910760	7/10/2023 9:07:08 AM		VOC		0.872	0.872								
592-910760	7/10/2023 9:06:58 AM		VOC		0.869	0.869								
592-910760	7/10/2023 9:06:48 AM		VOC		0.87	0.87								
592-910760	7/10/2023 9:06:38 AM		VOC		0.877	0.877								
592-910760	7/10/2023 9:06:28 AM		VOC		0.881	0.881								
592-910760	7/10/2023 9:06:18 AM		VOC		0.88	0.88								
592-910760	7/10/2023 9:06:08 AM		VOC		0.875	0.875								
592-910760	7/10/2023 9:05:58 AM		VOC		0.877	0.877								
592-910760	7/10/2023 9:05:48 AM		VOC		0.877	0.877								
592-910760	7/10/2023 9:05:38 AM		VOC		0.868	0.868								
592-910760	7/10/2023 9:05:28 AM		VOC		0.867	0.867								
592-910760	7/10/2023 9:05:18 AM		VOC		0.872	0.872								
592-910760	7/10/2023 9:05:08 AM		VOC		0.872	0.872								
592-910760	7/10/2023 9:04:58 AM		VOC		0.875	0.875								
592-910760	7/10/2023 9:04:48 AM		VOC		0.876	0.876								
592-910760	7/10/2023 9:04:38 AM		VOC		0.874	0.874								
592-910760	7/10/2023 9:04:28 AM		VOC		0.878	0.878								
592-910760	7/10/2023 9:04:18 AM		VOC		0.863	0.863								
592-910760	7/10/2023 9:04:08 AM		VOC		0.861	0.861								
592-910760	7/10/2023 9:03:58 AM		VOC		0.879	0.879								
592-910760	7/10/2023 9:03:48 AM		VOC		0.866	0.866								
592-910760	7/10/2023 9:03:38 AM		VOC		0.868	0.868								
592-910760	7/10/2023 9:03:28 AM		VOC		0.878	0.878								
592-910760	7/10/2023 9:03:18 AM		VOC		0.866	0.866								
592-910760	7/10/2023 9:03:08 AM		VOC		0.876	0.876								
592-910760	7/10/2023 9:02:58 AM		VOC		0.872	0.872								
592-910760	7/10/2023 9:02:48 AM		VOC		0.865	0.865								
592-910760	7/10/2023 9:02:38 AM		VOC		0.868	0.868								
592-910760	7/10/2023 9:02:28 AM		VOC		0.873	0.873								
592-910760	7/10/2023 9:02:18 AM		VOC		0.865	0.865								
592-910760	7/10/2023 9:02:08 AM		VOC		0.869	0.869								
592-910760	7/10/2023 9:01:58 AM		VOC		0.871	0.871								
592-910760	7/10/2023 9:01:48 AM		VOC		0.867	0.867								
592-910760	7/10/2023 9:01:38 AM		VOC		0.865	0.865								
592-910760	7/10/2023 9:01:28 AM		VOC		0.858	0.858								
592-910760	7/10/2023 9:01:18 AM		VOC		0.865	0.865								
592-910760	7/10/2023 9:01:08 AM		VOC		0.854	0.854								
592-910760	7/10/2023 9:00:58 AM		VOC		0.869	0.869								
592-910760	7/10/2023 9:00:48 AM		VOC		0.863	0.863								
592-910760	7/10/2023 9:00:38 AM		VOC		0.864	0.864								
592-910760	7/10/2023 9:00:28 AM		VOC		0.865	0.865								
592-910760	7/10/2023 9:00:18 AM		VOC		0.874	0.874								
592-910760	7/10/2023 9:00:08 AM		VOC		0.869	0.869								
592-910760	7/10/2023 8:59:58 AM		VOC		0.868	0.868								
592-910760	7/10/2023 8:59:48 AM		VOC		0.871	0.871								
592-910760	7/10/2023 8:59:38 AM		VOC		0.869	0.869								
592-910760	7/10/2023 8:59:28 AM		VOC		0.874	0.874								
592-910760	7/10/2023 8:59:18 AM		VOC		0.862	0.862								
592-910760	7/10/2023 8:59:08 AM		VOC		0.881	0.881								
592-910760	7/10/2023 8:58:58 AM		VOC		0.87	0.87								
592-910760	7/10/2023 8:58:48 AM		VOC		0.877	0.877								
592-910760	7/10/2023 8:58:38 AM		VOC		0.877	0.877								
592-910760	7/10/2023 8:58:28 AM		VOC		0.872	0.872								
592-910760	7/10/2023 8:58:18 AM		VOC		0.872	0.872								
592-910760	7/10/2023 8:58:08 AM		VOC		0.876	0.876								

592-910760	7/10/2023 8:57:58 AM		VOC		0.881	0.881									
592-910760	7/10/2023 8:57:48 AM		VOC		0.877	0.877									
592-910760	7/10/2023 8:57:38 AM		VOC		0.879	0.879									
592-910760	7/10/2023 8:57:28 AM		VOC		0.873	0.873									
592-910760	7/10/2023 8:57:18 AM		VOC		0.876	0.876									
592-910760	7/10/2023 8:57:08 AM		VOC		0.874	0.874									
592-910760	7/10/2023 8:56:58 AM		VOC		0.879	0.879									
592-910760	7/10/2023 8:56:48 AM		VOC		0.885	0.885									
592-910760	7/10/2023 8:56:38 AM		VOC		0.875	0.875									
592-910760	7/10/2023 8:56:28 AM		VOC		0.879	0.879									
592-910760	7/10/2023 8:56:18 AM		VOC		0.88	0.88									
592-910760	7/10/2023 8:56:08 AM		VOC		0.878	0.878									
592-910760	7/10/2023 8:55:58 AM		VOC		0.875	0.875									
592-910760	7/10/2023 8:55:48 AM		VOC		0.88	0.88									
592-910760	7/10/2023 8:55:38 AM		VOC		0.886	0.886									
592-910760	7/10/2023 8:55:28 AM		VOC		0.877	0.877									
592-910760	7/10/2023 8:55:18 AM		VOC		0.886	0.886									
592-910760	7/10/2023 8:55:08 AM		VOC		0.882	0.882									
592-910760	7/10/2023 8:54:58 AM		VOC		0.885	0.885									
592-910760	7/10/2023 8:54:48 AM		VOC		0.887	0.887									
592-910760	7/10/2023 8:54:38 AM		VOC		0.88	0.88									
592-910760	7/10/2023 8:54:28 AM		VOC		0.877	0.877									
592-910760	7/10/2023 8:54:18 AM		VOC		0.879	0.879									
592-910760	7/10/2023 8:54:08 AM		VOC		0.886	0.886									
592-910760	7/10/2023 8:53:58 AM		VOC		0.887	0.887									
592-910760	7/10/2023 8:53:48 AM		VOC		0.877	0.877									
592-910760	7/10/2023 8:53:38 AM		VOC		0.883	0.883									
592-910760	7/10/2023 8:53:28 AM		VOC		0.89	0.89									
592-910760	7/10/2023 8:53:18 AM		VOC		0.886	0.886									
592-910760	7/10/2023 8:53:08 AM		VOC		0.885	0.885									
592-910760	7/10/2023 8:52:58 AM		VOC		0.888	0.888									
592-910760	7/10/2023 8:52:48 AM		VOC		0.894	0.894									
592-910760	7/10/2023 8:52:38 AM		VOC		0.884	0.884									
592-910760	7/10/2023 8:52:28 AM		VOC		0.884	0.884									
592-910760	7/10/2023 8:52:18 AM		VOC		0.884	0.884									
592-910760	7/10/2023 8:52:08 AM		VOC		0.884	0.884									
592-910760	7/10/2023 8:51:58 AM		VOC		0.894	0.894									
592-910760	7/10/2023 8:51:48 AM		VOC		0.892	0.892									
592-910760	7/10/2023 8:51:38 AM		VOC		0.892	0.892									
592-910760	7/10/2023 8:51:28 AM		VOC		0.9	0.9									
592-910760	7/10/2023 8:51:18 AM		VOC		0.897	0.897									
592-910760	7/10/2023 8:51:08 AM		VOC		0.901	0.901									
592-910760	7/10/2023 8:50:58 AM		VOC		0.901	0.901									
592-910760	7/10/2023 8:50:48 AM		VOC		0.905	0.905									
592-910760	7/10/2023 8:50:38 AM		VOC		0.902	0.902									
592-910760	7/10/2023 8:50:28 AM		VOC		0.905	0.905									
592-910760	7/10/2023 8:50:18 AM		VOC		0.905	0.905									
592-910760	7/10/2023 8:50:08 AM		VOC		0.905	0.905									
592-910760	7/10/2023 8:49:58 AM		VOC		0.907	0.907									
592-910760	7/10/2023 8:49:48 AM		VOC		0.912	0.912									
592-910760	7/10/2023 8:49:38 AM		VOC		0.912	0.912									
592-910760	7/10/2023 8:49:28 AM		VOC		0.911	0.911									
592-910760	7/10/2023 8:49:18 AM		VOC		0.91	0.91									
592-910760	7/10/2023 8:49:08 AM		VOC		0.916	0.916									
592-910760	7/10/2023 8:48:58 AM		VOC		0.918	0.918									
592-910760	7/10/2023 8:48:48 AM		VOC		0.899	0.899									
592-910760	7/10/2023 8:48:38 AM		VOC		0.901	0.901									
592-910760	7/10/2023 8:48:28 AM		VOC		0.903	0.903									
592-910760	7/10/2023 8:48:18 AM		VOC		0.908	0.908									
592-910760	7/10/2023 8:48:08 AM		VOC		0.906	0.906									
592-910760	7/10/2023 8:47:58 AM		VOC		0.907	0.907									
592-910760	7/10/2023 8:47:48 AM		VOC		0.913	0.913									
592-910760	7/10/2023 8:47:38 AM		VOC		0.911	0.911									
592-910760	7/10/2023 8:47:28 AM		VOC		0.913	0.913									
592-910760	7/10/2023 8:47:18 AM		VOC		0.912	0.912									
592-910760	7/10/2023 8:47:08 AM		VOC		0.913	0.913									
592-910760	7/10/2023 8:46:58 AM		VOC		0.922	0.922									
592-910760	7/10/2023 8:46:48 AM		VOC		0.937	0.937									
592-910760	7/10/2023 8:46:38 AM		VOC		0.947	0.947									
592-910760	7/10/2023 8:46:28 AM		VOC		0.948	0.948									
592-910760	7/10/2023 8:46:18 AM		VOC		0.947	0.947									
592-910760	7/10/2023 8:46:08 AM		VOC		0.951	0.951									
592-910760	7/10/2023 8:45:58 AM		VOC		0.944	0.944									
592-910760	7/10/2023 8:45:48 AM		VOC		0.955	0.955									
592-910760	7/10/2023 8:45:38 AM		VOC		0.956	0.956									
592-910760	7/10/2023 8:45:28 AM		VOC		0.958	0.958									
592-910760	7/10/2023 8:45:18 AM		VOC		0.965	0.965									
592-910760	7/10/2023 8:45:08 AM		VOC		0.955	0.955									
592-910760	7/10/2023 8:44:58 AM		VOC		0.971	0.971									
592-910760	7/10/2023 8:44:48 AM		VOC		0.975	0.975									
592-910760	7/10/2023 8:44:38 AM		VOC		0.98	0.98									
592-910760	7/10/2023 8:44:28 AM		VOC		0.975	0.975									
592-910760	7/10/2023 8:44:18 AM		VOC		0.99	0.99									
592-910760	7/10/2023 8:44:08 AM		VOC		0.991	0.991									
592-910760	7/10/2023 8:43:58 AM		VOC		0.99	0.99									
592-910760	7/10/2023 8:43:48 AM		VOC		1.0	1.0									
592-910760	7/10/2023 8:43:38 AM		VOC		1.0	1.0									
592-910760	7/10/2023 8:43:28 AM		VOC		0.987	0.987									
592-910760	7/10/2023 8:43:18 AM		VOC		0.996	0.996									
592-910760	7/10/2023 8:43:08 AM		VOC		1.007	1.007									
592-910760	7/10/2023 8:42:58 AM		VOC		1.017	1.017									
592-910760	7/10/2023 8:42:48 AM		VOC		1.015	1.015									
592-910760	7/10/2023 8:42:38 AM		VOC		1.022	1.022									
592-910760	7/10/2023 8:42:28 AM		VOC		1.026	1.026									
592-910760	7/10/2023 8:42:18 AM		VOC		1.031	1.031									
592-910760	7/10/2023 8:42:08 AM		VOC		1.036	1.036									
592-910760	7/10/2023 8:41:58 AM		VOC		1.04	1.04									
592-910760	7/10/2023 8:41:48 AM		VOC		1.043	1.043									
592-910760	7/10/2023 8:41:38 AM		VOC		1.048	1.048									
592-910760	7/10/2023 8:41:28 AM		VOC		1.048	1.048									
592-910760	7/10/2023 8:41:18 AM		VOC		1.061	1.061									

592-910760	7/10/2023 8:41:08 AM		VOC		1.063	1.063								
592-910760	7/10/2023 8:40:58 AM		VOC		1.065	1.065								
592-910760	7/10/2023 8:40:48 AM		VOC		1.071	1.071								
592-910760	7/10/2023 8:40:38 AM		VOC		1.075	1.075								
592-910760	7/10/2023 8:40:28 AM		VOC		1.091	1.091								
592-910760	7/10/2023 8:40:18 AM		VOC		1.105	1.105								
592-910760	7/10/2023 8:40:08 AM		VOC		1.13	1.13								
592-910760	7/10/2023 8:39:58 AM		VOC		1.147	1.147								
592-910760	7/10/2023 8:39:48 AM		VOC		1.114	1.114								
592-910760	7/10/2023 8:39:38 AM		VOC		1.092	1.092								
592-910760	7/10/2023 8:39:28 AM		VOC		1.096	1.096								
592-910760	7/10/2023 8:39:18 AM		VOC		1.103	1.103								
592-910760	7/10/2023 8:39:08 AM		VOC		1.114	1.114								
592-910760	7/10/2023 8:38:58 AM		VOC		1.124	1.124								
592-910760	7/10/2023 8:38:48 AM		VOC		1.139	1.139								
592-910760	7/10/2023 8:38:38 AM		VOC		1.149	1.149								
592-910760	7/10/2023 8:38:28 AM		VOC		1.159	1.159								
592-910760	7/10/2023 8:38:18 AM		VOC		1.169	1.169								
592-910760	7/10/2023 8:38:08 AM		VOC		1.177	1.177								
592-910760	7/10/2023 8:37:58 AM		VOC		1.183	1.183								
592-910760	7/10/2023 8:37:48 AM		VOC		1.187	1.187								
592-910760	7/10/2023 8:37:38 AM		VOC		1.194	1.194								
592-910760	7/10/2023 8:37:28 AM		VOC		1.204	1.204								
592-910760	7/10/2023 8:37:18 AM		VOC		1.215	1.215								
592-910760	7/10/2023 8:37:08 AM		VOC		1.216	1.216								
592-910760	7/10/2023 8:36:58 AM		VOC		1.226	1.226								
592-910760	7/10/2023 8:36:48 AM		VOC		1.237	1.237								
592-910760	7/10/2023 8:36:38 AM		VOC		1.243	1.243								
592-910760	7/10/2023 8:36:28 AM		VOC		1.255	1.255								
592-910760	7/10/2023 8:36:18 AM		VOC		1.261	1.261								
592-910760	7/10/2023 8:36:08 AM		VOC		1.274	1.274								
592-910760	7/10/2023 8:35:58 AM		VOC		1.288	1.288								
592-910760	7/10/2023 8:35:48 AM		VOC		1.299	1.299								
592-910760	7/10/2023 8:35:38 AM		VOC		1.308	1.308								
592-910760	7/10/2023 8:35:28 AM		VOC		1.318	1.318								
592-910760	7/10/2023 8:35:18 AM		VOC		1.327	1.327								
592-910760	7/10/2023 8:35:08 AM		VOC		1.339	1.339								
592-910760	7/10/2023 8:34:58 AM		VOC		1.351	1.351								
592-910760	7/10/2023 8:34:48 AM		VOC		1.361	1.361								
592-910760	7/10/2023 8:34:38 AM		VOC		1.376	1.376								
592-910760	7/10/2023 8:34:28 AM		VOC		1.385	1.385								
592-910760	7/10/2023 8:34:18 AM		VOC		1.4	1.4								
592-910760	7/10/2023 8:34:08 AM		VOC		1.41	1.41								
592-910760	7/10/2023 8:33:58 AM		VOC		1.433	1.433								
592-910760	7/10/2023 8:33:48 AM		VOC		1.443	1.443								
592-910760	7/10/2023 8:33:38 AM		VOC		1.463	1.463								
592-910760	7/10/2023 8:33:28 AM		VOC		1.491	1.491								
592-910760	7/10/2023 8:33:18 AM		VOC		1.517	1.517								
592-910760	7/10/2023 8:33:08 AM		VOC		1.537	1.537								
592-910760	7/10/2023 8:32:58 AM		VOC		1.567	1.567								
592-910760	7/10/2023 8:32:48 AM		VOC		1.603	1.603								
592-910760	7/10/2023 8:32:38 AM		VOC		1.631	1.631								
592-910760	7/10/2023 8:32:28 AM		VOC		1.665	1.665								
592-910760	7/10/2023 8:32:18 AM		VOC		1.693	1.693								
592-910760	7/10/2023 8:32:08 AM		VOC		1.698	1.698								
592-910760	7/10/2023 8:31:58 AM		VOC		1.705	1.705								
592-910760	7/10/2023 8:31:48 AM		VOC		1.716	1.716								
592-910760	7/10/2023 8:31:38 AM		VOC		1.7	1.7								
592-910760	7/10/2023 8:31:28 AM		VOC		1.714	1.714								
592-910760	7/10/2023 8:31:18 AM		VOC		1.714	1.714								
592-910760	7/10/2023 8:31:08 AM		VOC		1.714	1.714								
592-910760	7/10/2023 8:30:58 AM		VOC		1.696	1.696								
592-910760	7/10/2023 8:30:48 AM		VOC		1.697	1.697								
592-910760	7/10/2023 8:30:38 AM		VOC		1.698	1.698								
592-910760	7/10/2023 8:30:28 AM		VOC		1.695	1.695								
592-910760	7/10/2023 8:30:18 AM		VOC		1.693	1.693								
592-910760	7/10/2023 8:30:08 AM		VOC		1.686	1.686								
592-910760	7/10/2023 8:29:58 AM		VOC		1.678	1.678								
592-910760	7/10/2023 8:29:48 AM		VOC		1.677	1.677								
592-910760	7/10/2023 8:29:38 AM		VOC		1.662	1.662								
592-910760	7/10/2023 8:29:28 AM		VOC		1.634	1.634								
592-910760	7/10/2023 8:29:18 AM		VOC		1.612	1.612								
592-910760	7/10/2023 8:29:08 AM		VOC		1.613	1.613								
592-910760	7/10/2023 8:28:58 AM		VOC		1.589	1.589								
592-910760	7/10/2023 8:28:48 AM		VOC		1.566	1.566								
592-910760	7/10/2023 8:28:38 AM		VOC		1.533	1.533								
592-910760	7/10/2023 8:28:28 AM		VOC		1.512	1.512								
592-910760	7/10/2023 8:28:18 AM		VOC		1.464	1.464								
592-910760	7/10/2023 8:28:08 AM		VOC		1.367	1.367								
592-910760	7/10/2023 8:27:58 AM		VOC		1.228	1.228								
592-910760	7/10/2023 8:27:48 AM		VOC		1.008	1.008								
592-910760	7/10/2023 8:27:38 AM		VOC		1.01	1.01								
592-910760	7/10/2023 8:27:28 AM		VOC		1.046	1.046								
592-910760	7/10/2023 8:27:18 AM		VOC		1.082	1.082								
592-910760	7/10/2023 8:27:08 AM		VOC		1.091	1.091								
592-910760	7/10/2023 8:26:58 AM		VOC		1.103	1.103								
592-910760	7/10/2023 8:26:48 AM		VOC		1.117	1.117								
592-910760	7/10/2023 8:26:38 AM		VOC		1.127	1.127								
592-910760	7/10/2023 8:26:28 AM		VOC		1.141	1.141								
592-910760	7/10/2023 8:26:18 AM		VOC		1.154	1.154								
592-910760	7/10/2023 8:26:08 AM		VOC		1.177	1.177								
592-910760	7/10/2023 8:25:58 AM		VOC		1.201	1.201								
592-910760	7/10/2023 8:25:48 AM		VOC		1.219	1.219								
592-910760	7/10/2023 8:25:38 AM		VOC		1.235	1.235								
592-910760	7/10/2023 8:25:28 AM		VOC		1.251	1.251								
592-910760	7/10/2023 8:25:18 AM		VOC		1.272	1.272								
592-910760	7/10/2023 8:25:08 AM		VOC		1.294	1.294								
592-910760	7/10/2023 8:24:58 AM		VOC		1.318	1.318								
592-910760	7/10/2023 8:24:48 AM		VOC		1.34	1.34								
592-910760	7/10/2023 8:24:38 AM		VOC		1.359	1.359								
592-910760	7/10/2023 8:24:28 AM		VOC		1.383	1.383								

592-910760	7/10/2023 8:24:18 AM		VOC		1.41	1.41							
592-910760	7/10/2023 8:24:08 AM		VOC		1.437	1.437							
592-910760	7/10/2023 8:23:58 AM		VOC		1.465	1.465							
592-910760	7/10/2023 8:23:48 AM		VOC		1.493	1.493							
592-910760	7/10/2023 8:23:38 AM		VOC		1.522	1.522							
592-910760	7/10/2023 8:23:28 AM		VOC		1.555	1.555							
592-910760	7/10/2023 8:23:18 AM		VOC		1.587	1.587							
592-910760	7/10/2023 8:23:08 AM		VOC		1.612	1.612							
592-910760	7/10/2023 8:22:58 AM		VOC		1.63	1.63							
592-910760	7/10/2023 8:22:48 AM		VOC		1.656	1.656							
592-910760	7/10/2023 8:22:38 AM		VOC		1.69	1.69							
592-910760	7/10/2023 8:22:28 AM		VOC		1.718	1.718							
592-910760	7/10/2023 8:22:18 AM		VOC		1.756	1.756							
592-910760	7/10/2023 8:22:08 AM		VOC		1.802	1.802							
592-910760	7/10/2023 8:21:58 AM		VOC		1.804	1.804							
592-910760	7/10/2023 8:21:48 AM		VOC		1.8	1.8							
592-910760	7/10/2023 8:21:38 AM		VOC		1.797	1.797							
592-910760	7/10/2023 8:21:28 AM		VOC		1.758	1.758							
592-910760	7/10/2023 8:21:18 AM		VOC		1.756	1.756							
592-910760	7/10/2023 8:21:08 AM		VOC		1.704	1.704							
592-910760	7/10/2023 8:20:58 AM		VOC		1.673	1.673							
592-910760	7/10/2023 8:20:48 AM		VOC		1.606	1.606							
592-910760	7/10/2023 8:20:38 AM		VOC		1.518	1.518							
592-910760	7/10/2023 8:20:28 AM		VOC		1.389	1.389							
592-910760	7/10/2023 8:20:18 AM		VOC		1.246	1.246							
592-910760	7/10/2023 8:20:08 AM		VOC		1.183	1.183							
592-910760	7/10/2023 8:19:58 AM		VOC		1.123	1.123							
592-910760	7/10/2023 8:19:48 AM	10	VOC	ppm			100.0	200.0	100.0	2347	7/10/2023 8:19:48 AM	7/10/2023 2:50:58 PM	V1.20
592-910760	7/6/2023 2:57:51 PM		VOC		0.986	0.986							
592-910760	7/6/2023 2:57:41 PM		VOC		0.945	0.945							
592-910760	7/6/2023 2:57:31 PM		VOC		1.644	1.644							
592-910760	7/6/2023 2:57:21 PM		VOC		1.678	1.678							
592-910760	7/6/2023 2:57:11 PM		VOC		1.374	1.374							
592-910760	7/6/2023 2:57:01 PM		VOC		2.238	2.238							
592-910760	7/6/2023 2:56:51 PM		VOC		2.609	2.609							
592-910760	7/6/2023 2:56:41 PM		VOC		2.432	2.432							
592-910760	7/6/2023 2:56:31 PM		VOC		2.325	2.325							
592-910760	7/6/2023 2:56:21 PM		VOC		8.666	8.666							
592-910760	7/6/2023 2:56:11 PM		VOC		32.594	32.594							
592-910760	7/6/2023 2:56:01 PM		VOC		2.313	2.313							
592-910760	7/6/2023 2:55:51 PM		VOC		5.06	5.06							
592-910760	7/6/2023 2:55:41 PM		VOC		3.359	3.359							
592-910760	7/6/2023 2:55:31 PM		VOC		1.445	1.445							
592-910760	7/6/2023 2:55:21 PM		VOC		1.266	1.266							
592-910760	7/6/2023 2:55:11 PM		VOC		1.131	1.131							
592-910760	7/6/2023 2:55:01 PM		VOC		1.284	1.284							
592-910760	7/6/2023 2:54:51 PM		VOC		1.558	1.558							
592-910760	7/6/2023 2:54:41 PM		VOC		1.682	1.682							
592-910760	7/6/2023 2:54:31 PM		VOC		1.145	1.145							
592-910760	7/6/2023 2:54:21 PM		VOC		1.297	1.297							
592-910760	7/6/2023 2:54:11 PM		VOC		1.454	1.454							
592-910760	7/6/2023 2:54:01 PM		VOC		0.988	0.988							
592-910760	7/6/2023 2:53:51 PM		VOC		2.028	2.028							
592-910760	7/6/2023 2:53:41 PM		VOC		2.21	2.21							
592-910760	7/6/2023 2:53:31 PM		VOC		2.085	2.085							
592-910760	7/6/2023 2:53:21 PM		VOC		1.972	1.972							
592-910760	7/6/2023 2:53:11 PM		VOC		2.181	2.181							
592-910760	7/6/2023 2:53:01 PM		VOC		2.331	2.331							
592-910760	7/6/2023 2:52:51 PM		VOC		2.424	2.424							
592-910760	7/6/2023 2:52:41 PM		VOC		2.253	2.253							
592-910760	7/6/2023 2:52:31 PM		VOC		3.325	3.325							
592-910760	7/6/2023 2:52:21 PM		VOC		16.76	16.76							
592-910760	7/6/2023 2:52:11 PM		VOC		1.932	1.932							
592-910760	7/6/2023 2:52:01 PM		VOC		1.974	1.974							
592-910760	7/6/2023 2:51:51 PM		VOC		1.81	1.81							
592-910760	7/6/2023 2:51:41 PM		VOC		1.903	1.903							
592-910760	7/6/2023 2:51:31 PM		VOC		2.086	2.086							
592-910760	7/6/2023 2:51:21 PM		VOC		2.537	2.537							
592-910760	7/6/2023 2:51:11 PM		VOC		3.503	3.503							
592-910760	7/6/2023 2:51:01 PM		VOC		6.101	6.101							
592-910760	7/6/2023 2:50:51 PM		VOC		46.066	46.066							
592-910760	7/6/2023 2:50:41 PM		VOC		2.359	2.359							
592-910760	7/6/2023 2:50:31 PM		VOC		2.435	2.435							
592-910760	7/6/2023 2:50:21 PM		VOC		2.86	2.86							
592-910760	7/6/2023 2:50:11 PM		VOC		2.469	2.469							
592-910760	7/6/2023 2:50:01 PM		VOC		2.426	2.426							
592-910760	7/6/2023 2:49:51 PM		VOC		2.002	2.002							
592-910760	7/6/2023 2:49:41 PM		VOC		1.92	1.92							
592-910760	7/6/2023 2:49:31 PM		VOC		1.724	1.724							
592-910760	7/6/2023 2:49:21 PM		VOC		2.276	2.276							
592-910760	7/6/2023 2:49:11 PM		VOC		0.53	0.53							
592-910760	7/6/2023 2:49:01 PM		VOC		1.253	1.253							
592-910760	7/6/2023 2:48:51 PM		VOC		0.882	0.882							
592-910760	7/6/2023 2:48:41 PM		VOC		4.141	4.141							
592-910760	7/6/2023 2:48:31 PM		VOC		42.926	42.926							
592-910760	7/6/2023 2:48:21 PM		VOC		663.139	663.139							
592-910760	7/6/2023 2:48:11 PM		VOC		0.0	0.0							
592-910760	7/6/2023 2:48:01 PM		VOC		1852112.9	1852112.9							
592-910760	7/6/2023 2:47:51 PM		VOC		1954114.6	1954114.6							
592-910760	7/6/2023 2:47:41 PM		VOC		1936679.5	1936679.5							
592-910760	7/6/2023 2:47:31 PM		VOC		2560.073	2560.073							
592-910760	7/6/2023 2:47:21 PM		VOC		6400.0	6400.0							
592-910760	7/6/2023 2:47:11 PM		VOC		512000.0	512000.0							
592-910760	7/6/2023 2:47:01 PM		VOC		51200.0	51200.0							
592-910760	7/6/2023 2:46:51 PM		VOC		25600.0	25600.0							
592-910760	7/6/2023 2:46:41 PM		VOC		25600.0	25600.0							
592-910760	7/6/2023 2:46:31 PM		VOC		202121.73	202121.73							
592-910760	7/6/2023 2:46:21 PM		VOC		831001.9	831001.9							
592-910760	7/6/2023 2:46:11 PM		VOC		1644167.4	1644167.4							
592-910760	7/6/2023 2:46:01 PM		VOC		0.0	0.0							
592-910760	7/6/2023 2:45:51 PM		VOC		0.0	0.0							

592-910760	7/6/2023 2:45:41 PM		VOC		65.536	65.536								
592-910760	7/6/2023 2:45:31 PM		VOC		2108.673	2108.673								
592-910760	7/6/2023 2:45:21 PM		VOC		0.001	0.001								
592-910760	7/6/2023 2:45:11 PM		VOC		1.024	1.024								
592-910760	7/6/2023 2:45:01 PM		VOC		808464.6	808464.6								
592-910760	7/6/2023 2:44:51 PM		VOC		808464.44	808464.44								
592-910760	7/6/2023 2:44:41 PM		VOC		808452.1	808452.1								
592-910760	7/6/2023 2:44:31 PM		VOC		1160786.0	1160786.0								
592-910760	7/6/2023 2:44:21 PM		VOC		3953.217	3953.217								
592-910760	7/6/2023 2:44:11 PM		VOC		17826.309	17826.309								
592-910760	7/6/2023 2:44:01 PM		VOC		19600.9	19600.9								
592-910760	7/6/2023 2:43:51 PM		VOC		369361.16	369361.16								
592-910760	7/6/2023 2:43:41 PM		VOC		135.281	135.281								
592-910760	7/6/2023 2:43:31 PM		VOC		16777.217	16777.217								
592-910760	7/6/2023 2:43:21 PM		VOC		369230.1	369230.1								
592-910760	7/6/2023 2:43:11 PM		VOC		16908.32	16908.32								
592-910760	7/6/2023 2:43:01 PM		VOC		2458978.2	2458978.2								
592-910760	7/6/2023 2:42:51 PM		VOC		17.669	17.669								
592-910760	7/6/2023 2:42:41 PM		VOC											
592-910760	7/6/2023 2:42:31 PM		VOC											
592-910760	7/6/2023 2:42:21 PM		VOC											
592-910760	7/6/2023 2:42:11 PM		VOC											
592-910760	7/6/2023 2:42:01 PM		VOC											
592-910760	7/6/2023 2:41:51 PM		VOC											
592-910760	7/6/2023 2:41:41 PM		VOC											
592-910760	7/6/2023 2:41:31 PM		VOC											
592-910760	7/6/2023 2:41:21 PM		VOC											
592-910760	7/6/2023 2:41:11 PM		VOC											
592-910760	7/6/2023 2:41:01 PM		VOC											
592-910760	7/6/2023 2:40:51 PM		VOC											
592-910760	7/6/2023 2:40:41 PM		VOC											
592-910760	7/6/2023 2:40:31 PM		VOC											
592-910760	7/6/2023 2:40:21 PM		VOC											
592-910760	7/6/2023 2:40:11 PM		VOC											
592-910760	7/6/2023 2:40:01 PM		VOC											
592-910760	7/6/2023 2:39:51 PM		VOC											
592-910760	7/6/2023 2:39:41 PM		VOC											
592-910760	7/6/2023 2:39:31 PM		VOC											
592-910760	7/6/2023 2:39:21 PM		VOC											
592-910760	7/6/2023 2:39:11 PM		VOC											
592-910760	7/6/2023 2:39:01 PM		VOC											
592-910760	7/6/2023 2:38:51 PM		VOC											
592-910760	7/6/2023 2:38:41 PM		VOC											
592-910760	7/6/2023 2:38:31 PM		VOC											
592-910760	7/6/2023 2:38:21 PM		VOC											
592-910760	7/6/2023 2:38:11 PM		VOC											
592-910760	7/6/2023 2:38:01 PM		VOC											
592-910760	7/6/2023 2:37:51 PM		VOC											
592-910760	7/6/2023 2:37:41 PM		VOC											
592-910760	7/6/2023 2:37:31 PM		VOC											
592-910760	7/6/2023 2:37:21 PM		VOC											
592-910760	7/6/2023 2:37:11 PM		VOC											
592-910760	7/6/2023 2:37:01 PM		VOC		3.36	3.36								
592-910760	7/6/2023 2:36:51 PM		VOC		3.13	3.13								
592-910760	7/6/2023 2:36:41 PM		VOC		2.942	2.942								
592-910760	7/6/2023 2:36:31 PM		VOC		2.843	2.843								
592-910760	7/6/2023 2:36:21 PM		VOC		3.004	3.004								
592-910760	7/6/2023 2:36:11 PM		VOC		3.021	3.021								
592-910760	7/6/2023 2:36:01 PM		VOC		3.008	3.008								
592-910760	7/6/2023 2:35:51 PM		VOC		3.131	3.131								
592-910760	7/6/2023 2:35:41 PM		VOC		2.911	2.911								
592-910760	7/6/2023 2:35:31 PM		VOC		2.662	2.662								
592-910760	7/6/2023 2:35:21 PM		VOC		2.765	2.765								
592-910760	7/6/2023 2:35:11 PM		VOC		3.185	3.185								
592-910760	7/6/2023 2:35:01 PM		VOC		3.191	3.191								
592-910760	7/6/2023 2:34:51 PM		VOC		3.301	3.301								
592-910760	7/6/2023 2:34:41 PM		VOC		3.5	3.5								
592-910760	7/6/2023 2:34:31 PM		VOC		4.02	4.02								
592-910760	7/6/2023 2:34:21 PM		VOC		4.224	4.224								
592-910760	7/6/2023 2:34:11 PM		VOC		4.89	4.89								
592-910760	7/6/2023 2:34:01 PM		VOC		5.109	5.109								
592-910760	7/6/2023 2:33:51 PM		VOC		5.526	5.526								
592-910760	7/6/2023 2:33:41 PM		VOC		5.887	5.887								
592-910760	7/6/2023 2:33:31 PM		VOC		5.276	5.276								
592-910760	7/6/2023 2:33:21 PM		VOC		5.633	5.633								
592-910760	7/6/2023 2:33:11 PM		VOC		5.617	5.617								
592-910760	7/6/2023 2:33:01 PM		VOC		4.644	4.644								
592-910760	7/6/2023 2:32:51 PM		VOC		5.16	5.16								
592-910760	7/6/2023 2:32:41 PM		VOC		4.671	4.671								
592-910760	7/6/2023 2:32:31 PM		VOC		3.782	3.782								
592-910760	7/6/2023 2:32:21 PM		VOC		3.176	3.176								
592-910760	7/6/2023 2:32:11 PM		VOC		3.097	3.097								
592-910760	7/6/2023 2:32:01 PM		VOC		3.13	3.13								
592-910760	7/6/2023 2:31:51 PM		VOC		3.162	3.162								
592-910760	7/6/2023 2:31:41 PM		VOC		2.924	2.924								
592-910760	7/6/2023 2:31:31 PM		VOC		2.797	2.797								
592-910760	7/6/2023 2:31:21 PM		VOC		2.673	2.673								
592-910760	7/6/2023 2:31:11 PM		VOC		2.645	2.645								
592-910760	7/6/2023 2:31:01 PM		VOC		2.756	2.756								
592-910760	7/6/2023 2:30:51 PM		VOC		2.624	2.624								
592-910760	7/6/2023 2:30:41 PM		VOC		2.817	2.817								
592-910760	7/6/2023 2:30:31 PM		VOC		2.723	2.723								
592-910760	7/6/2023 2:30:21 PM		VOC		2.77	2.77								
592-910760	7/6/2023 2:30:11 PM		VOC		2.44	2.44								
592-910760	7/6/2023 2:30:01 PM		VOC		2.64	2.64								
592-910760	7/6/2023 2:29:51 PM		VOC		2.349	2.349								
592-910760	7/6/2023 2:29:41 PM		VOC		2.263	2.263								
592-910760	7/6/2023 2:29:31 PM		VOC		2.534	2.534								
592-910760	7/6/2023 2:29:21 PM		VOC		2.372	2.372								
592-910760	7/6/2023 2:29:11 PM		VOC		2.002	2.002								
592-910760	7/6/2023 2:29:01 PM		VOC		2.095	2.095								

592-910760	7/6/2023 2:28:51 PM		VOC		2.007	2.007									
592-910760	7/6/2023 2:28:41 PM		VOC		1.715	1.715									
592-910760	7/6/2023 2:28:31 PM		VOC		1.632	1.632									
592-910760	7/6/2023 2:28:21 PM		VOC		1.715	1.715									
592-910760	7/6/2023 2:28:11 PM		VOC		1.72	1.72									
592-910760	7/6/2023 2:28:01 PM		VOC		1.969	1.969									
592-910760	7/6/2023 2:27:51 PM		VOC		1.87	1.87									
592-910760	7/6/2023 2:27:41 PM		VOC		1.85	1.85									
592-910760	7/6/2023 2:27:31 PM		VOC		1.984	1.984									
592-910760	7/6/2023 2:27:21 PM		VOC		2.271	2.271									
592-910760	7/6/2023 2:27:11 PM		VOC		2.007	2.007									
592-910760	7/6/2023 2:27:01 PM		VOC		2.273	2.273									
592-910760	7/6/2023 2:26:51 PM		VOC		5.77	5.77									
592-910760	7/6/2023 2:26:41 PM		VOC		2.042	2.042									
592-910760	7/6/2023 2:26:31 PM		VOC		1.987	1.987									
592-910760	7/6/2023 2:26:21 PM		VOC		657.55	657.55									
592-910760	7/6/2023 2:26:11 PM		VOC		0.0	0.0									
592-910760	7/6/2023 2:26:01 PM		VOC		1852112.9	1852112.9									
592-910760	7/6/2023 2:25:51 PM		VOC		1954114.6	1954114.6									
592-910760	7/6/2023 2:25:41 PM		VOC		1936679.5	1936679.5									
592-910760	7/6/2023 2:25:31 PM		VOC		2560.073	2560.073									
592-910760	7/6/2023 2:25:21 PM		VOC		6400.0	6400.0									
592-910760	7/6/2023 2:25:11 PM		VOC		512000.0	512000.0									
592-910760	7/6/2023 2:25:01 PM		VOC		51200.0	51200.0									
592-910760	7/6/2023 2:24:51 PM		VOC		25600.0	25600.0									
592-910760	7/6/2023 2:24:41 PM		VOC		25600.0	25600.0									
592-910760	7/6/2023 2:24:31 PM		VOC		386874.12	386874.12									
592-910760	7/6/2023 2:24:21 PM		VOC		831001.4	831001.4									
592-910760	7/6/2023 2:24:11 PM		VOC		1644167.4	1644167.4									
592-910760	7/6/2023 2:24:01 PM		VOC		3.273	3.273									
592-910760	7/6/2023 2:23:51 PM		VOC		3.438	3.438									
592-910760	7/6/2023 2:23:41 PM		VOC		65.594	65.594									
592-910760	7/6/2023 2:23:31 PM		VOC		1059.585	1059.585									
592-910760	7/6/2023 2:23:21 PM		VOC		6.913	6.913									
592-910760	7/6/2023 2:23:11 PM		VOC		1.024	1.024									
592-910760	7/6/2023 2:23:01 PM		VOC		808464.6	808464.6									
592-910760	7/6/2023 2:22:51 PM		VOC		808464.44	808464.44									
592-910760	7/6/2023 2:22:41 PM		VOC		808452.1	808452.1									
592-910760	7/6/2023 2:22:31 PM		VOC		1160786.0	1160786.0									
592-910760	7/6/2023 2:22:21 PM		VOC		3953.217	3953.217									
592-910760	7/6/2023 2:22:11 PM		VOC		135271.44	135271.44									
592-910760	7/6/2023 2:22:01 PM		VOC		876221.2	876221.2									
592-910760	7/6/2023 2:21:51 PM		VOC		319490.06	319490.06									
592-910760	7/6/2023 2:21:41 PM		VOC		1812074.6	1812074.6									
592-910760	7/6/2023 2:21:31 PM		VOC		16777.217	16777.217									
592-910760	7/6/2023 2:21:21 PM		VOC		369230.1	369230.1									
592-910760	7/6/2023 2:21:11 PM		VOC		16908.32	16908.32									
592-910760	7/6/2023 2:21:01 PM		VOC		2458978.2	2458978.2									
592-910760	7/6/2023 2:20:51 PM		VOC		0.0	0.0									
592-910760	7/6/2023 2:20:41 PM		VOC		4.033	4.033									
592-910760	7/6/2023 2:20:31 PM		VOC		3.979	3.979									
592-910760	7/6/2023 2:20:21 PM		VOC		4.396	4.396									
592-910760	7/6/2023 2:20:11 PM		VOC		5.264	5.264									
592-910760	7/6/2023 2:20:01 PM		VOC		4.963	4.963									
592-910760	7/6/2023 2:19:51 PM		VOC		5.611	5.611									
592-910760	7/6/2023 2:19:41 PM		VOC		5.413	5.413									
592-910760	7/6/2023 2:19:31 PM		VOC		5.418	5.418									
592-910760	7/6/2023 2:19:21 PM		VOC		5.736	5.736									
592-910760	7/6/2023 2:19:11 PM		VOC		5.391	5.391									
592-910760	7/6/2023 2:19:01 PM		VOC		5.653	5.653									
592-910760	7/6/2023 2:18:51 PM		VOC		5.863	5.863									
592-910760	7/6/2023 2:18:41 PM		VOC		6.688	6.688									
592-910760	7/6/2023 2:18:31 PM		VOC		19.562	19.562									
592-910760	7/6/2023 2:18:21 PM		VOC		4.528	4.528									
592-910760	7/6/2023 2:18:11 PM		VOC		4.594	4.594									
592-910760	7/6/2023 2:18:01 PM		VOC		4.152	4.152									
592-910760	7/6/2023 2:17:51 PM		VOC		4.093	4.093									
592-910760	7/6/2023 2:17:41 PM		VOC		4.86	4.86									
592-910760	7/6/2023 2:17:31 PM		VOC		4.2	4.2									
592-910760	7/6/2023 2:17:21 PM		VOC		4.105	4.105									
592-910760	7/6/2023 2:17:11 PM		VOC		4.218	4.218									
592-910760	7/6/2023 2:17:01 PM		VOC		4.541	4.541									
592-910760	7/6/2023 2:16:51 PM		VOC		4.578	4.578									
592-910760	7/6/2023 2:16:41 PM		VOC		4.765	4.765									
592-910760	7/6/2023 2:16:31 PM		VOC		5.519	5.519									
592-910760	7/6/2023 2:16:21 PM		VOC		5.276	5.276									
592-910760	7/6/2023 2:16:11 PM		VOC		5.296	5.296									
592-910760	7/6/2023 2:16:01 PM		VOC		5.368	5.368									
592-910760	7/6/2023 2:15:51 PM		VOC		5.242	5.242									
592-910760	7/6/2023 2:15:41 PM		VOC		4.87	4.87									
592-910760	7/6/2023 2:15:31 PM		VOC		4.89	4.89									
592-910760	7/6/2023 2:15:21 PM		VOC		5.348	5.348									
592-910760	7/6/2023 2:15:11 PM		VOC		6.081	6.081									
592-910760	7/6/2023 2:15:01 PM		VOC		5.236	5.236									
592-910760	7/6/2023 2:14:51 PM		VOC		5.444	5.444									
592-910760	7/6/2023 2:14:41 PM		VOC		5.038	5.038									
592-910760	7/6/2023 2:14:31 PM		VOC		5.485	5.485									
592-910760	7/6/2023 2:14:21 PM		VOC		5.717	5.717									
592-910760	7/6/2023 2:14:11 PM		VOC		5.988	5.988									
592-910760	7/6/2023 2:14:01 PM		VOC		6.309	6.309									
592-910760	7/6/2023 2:13:51 PM		VOC		6.959	6.959									
592-910760	7/6/2023 2:13:41 PM		VOC		7.607	7.607									
592-910760	7/6/2023 2:13:31 PM		VOC		5.631	5.631									
592-910760	7/6/2023 2:13:21 PM		VOC		5.877	5.877									
592-910760	7/6/2023 2:13:11 PM		VOC		7.277	7.277									
592-910760	7/6/2023 2:13:01 PM		VOC		5.583	5.583									
592-910760	7/6/2023 2:12:51 PM		VOC		5.063	5.063									
592-910760	7/6/2023 2:12:41 PM		VOC		5.163	5.163									
592-910760	7/6/2023 2:12:31 PM		VOC		5.164	5.164									
592-910760	7/6/2023 2:12:21 PM		VOC		5.448	5.448									
592-910760	7/6/2023 2:12:11 PM		VOC		5.645	5.645									

592-910760	7/6/2023 2:12:01 PM		VOC		5.63	5.63									
592-910760	7/6/2023 2:11:51 PM		VOC		5.671	5.671									
592-910760	7/6/2023 2:11:41 PM		VOC		6.967	6.967									
592-910760	7/6/2023 2:11:31 PM		VOC		9.459	9.459									
592-910760	7/6/2023 2:11:21 PM		VOC		6.708	6.708									
592-910760	7/6/2023 2:11:11 PM		VOC		6.363	6.363									
592-910760	7/6/2023 2:11:01 PM		VOC		5.088	5.088									
592-910760	7/6/2023 2:10:51 PM		VOC		4.9	4.9									
592-910760	7/6/2023 2:10:41 PM		VOC		5.072	5.072									
592-910760	7/6/2023 2:10:31 PM		VOC		5.122	5.122									
592-910760	7/6/2023 2:10:21 PM		VOC		5.589	5.589									
592-910760	7/6/2023 2:10:11 PM		VOC		5.312	5.312									
592-910760	7/6/2023 2:10:01 PM		VOC		5.545	5.545									
592-910760	7/6/2023 2:09:51 PM		VOC		5.411	5.411									
592-910760	7/6/2023 2:09:41 PM		VOC		5.967	5.967									
592-910760	7/6/2023 2:09:31 PM		VOC		5.808	5.808									
592-910760	7/6/2023 2:09:21 PM		VOC		5.708	5.708									
592-910760	7/6/2023 2:09:11 PM		VOC		5.574	5.574									
592-910760	7/6/2023 2:09:01 PM		VOC		5.475	5.475									
592-910760	7/6/2023 2:08:51 PM		VOC		6.087	6.087									
592-910760	7/6/2023 2:08:41 PM		VOC		20.291	20.291									
592-910760	7/6/2023 2:08:31 PM		VOC		14.864	14.864									
592-910760	7/6/2023 2:08:21 PM		VOC		6.375	6.375									
592-910760	7/6/2023 2:08:11 PM		VOC		6.494	6.494									
592-910760	7/6/2023 2:08:01 PM		VOC		6.423	6.423									
592-910760	7/6/2023 2:07:51 PM		VOC		6.712	6.712									
592-910760	7/6/2023 2:07:41 PM		VOC		6.908	6.908									
592-910760	7/6/2023 2:07:31 PM		VOC		6.704	6.704									
592-910760	7/6/2023 2:07:21 PM		VOC		6.431	6.431									
592-910760	7/6/2023 2:07:11 PM		VOC		6.819	6.819									
592-910760	7/6/2023 2:07:01 PM		VOC		8.405	8.405									
592-910760	7/6/2023 2:06:51 PM		VOC		20.301	20.301									
592-910760	7/6/2023 2:06:41 PM		VOC		14.524	14.524									
592-910760	7/6/2023 2:06:31 PM		VOC		6.285	6.285									
592-910760	7/6/2023 2:06:21 PM		VOC		6.44	6.44									
592-910760	7/6/2023 2:06:11 PM		VOC		6.405	6.405									
592-910760	7/6/2023 2:06:01 PM		VOC		6.455	6.455									
592-910760	7/6/2023 2:05:51 PM		VOC		7.255	7.255									
592-910760	7/6/2023 2:05:41 PM		VOC		18.754	18.754									
592-910760	7/6/2023 2:05:31 PM		VOC		12.602	12.602									
592-910760	7/6/2023 2:05:21 PM		VOC		16.998	16.998									
592-910760	7/6/2023 2:05:11 PM		VOC		6.471	6.471									
592-910760	7/6/2023 2:05:01 PM		VOC		7.068	7.068									
592-910760	7/6/2023 2:04:51 PM		VOC		0.01	0.01									
592-910760	7/6/2023 2:04:41 PM		VOC		0.199	0.199									
592-910760	7/6/2023 2:04:31 PM		VOC		2.477	2.477									
592-910760	7/6/2023 2:04:21 PM		VOC		704.52	704.52									
592-910760	7/6/2023 2:04:11 PM		VOC		0.0	0.0									
592-910760	7/6/2023 2:04:01 PM		VOC		1852112.9	1852112.9									
592-910760	7/6/2023 2:03:51 PM		VOC		1954114.6	1954114.6									
592-910760	7/6/2023 2:03:41 PM		VOC		1936679.5	1936679.5									
592-910760	7/6/2023 2:03:31 PM		VOC		2560.073	2560.073									
592-910760	7/6/2023 2:03:21 PM		VOC		6400.0	6400.0									
592-910760	7/6/2023 2:03:11 PM		VOC		512000.0	512000.0									
592-910760	7/6/2023 2:03:01 PM		VOC		51200.0	51200.0									
592-910760	7/6/2023 2:02:51 PM		VOC		25600.0	25600.0									
592-910760	7/6/2023 2:02:41 PM		VOC		25600.0	25600.0									
592-910760	7/6/2023 2:02:31 PM		VOC		202121.73	202121.73									
592-910760	7/6/2023 2:02:21 PM		VOC		831001.9	831001.9									
592-910760	7/6/2023 2:02:11 PM		VOC		1644167.4	1644167.4									
592-910760	7/6/2023 2:02:01 PM		VOC		0.081	0.081									
592-910760	7/6/2023 2:01:51 PM		VOC		0.083	0.083									
592-910760	7/6/2023 2:01:41 PM		VOC		65.629	65.629									
592-910760	7/6/2023 2:01:31 PM		VOC		10.497	10.497									
592-910760	7/6/2023 2:01:21 PM		VOC		0.257	0.257									
592-910760	7/6/2023 2:01:11 PM		VOC		1.024	1.024									
592-910760	7/6/2023 2:01:01 PM		VOC		808464.6	808464.6									
592-910760	7/6/2023 2:00:51 PM		VOC		808464.44	808464.44									
592-910760	7/6/2023 2:00:41 PM		VOC		808452.1	808452.1									
592-910760	7/6/2023 2:00:31 PM		VOC		1160786.0	1160786.0									
592-910760	7/6/2023 2:00:21 PM		VOC		3953.217	3953.217									
592-910760	7/6/2023 2:00:11 PM		VOC		17762.05	17762.05									
592-910760	7/6/2023 2:00:01 PM		VOC		85005.83	85005.83									
592-910760	7/6/2023 1:59:51 PM		VOC		369361.16	369361.16									
592-910760	7/6/2023 1:59:41 PM		VOC		67244.15	67244.15									
592-910760	7/6/2023 1:59:31 PM		VOC		16777.217	16777.217									
592-910760	7/6/2023 1:59:21 PM		VOC		369230.1	369230.1									
592-910760	7/6/2023 1:59:11 PM		VOC		16908.32	16908.32									
592-910760	7/6/2023 1:59:01 PM		VOC		2458978.2	2458978.2									
592-910760	7/6/2023 1:58:51 PM		VOC		17.669	17.669									
592-910760	7/6/2023 1:58:41 PM		VOC												
592-910760	7/6/2023 1:58:31 PM		VOC												
592-910760	7/6/2023 1:58:21 PM		VOC												
592-910760	7/6/2023 1:58:11 PM		VOC												
592-910760	7/6/2023 1:58:01 PM		VOC												
592-910760	7/6/2023 1:57:51 PM		VOC												
592-910760	7/6/2023 1:57:41 PM		VOC												
592-910760	7/6/2023 1:57:31 PM		VOC												
592-910760	7/6/2023 1:57:21 PM		VOC												
592-910760	7/6/2023 1:57:11 PM		VOC												
592-910760	7/6/2023 1:57:01 PM		VOC												
592-910760	7/6/2023 1:56:51 PM		VOC												
592-910760	7/6/2023 1:56:41 PM		VOC												
592-910760	7/6/2023 1:56:31 PM		VOC												
592-910760	7/6/2023 1:56:21 PM		VOC												
592-910760	7/6/2023 1:56:11 PM		VOC												
592-910760	7/6/2023 1:56:01 PM		VOC												
592-910760	7/6/2023 1:55:51 PM		VOC												
592-910760	7/6/2023 1:55:41 PM		VOC												
592-910760	7/6/2023 1:55:31 PM		VOC												
592-910760	7/6/2023 1:55:21 PM		VOC												

592-910760	7/6/2023 1:55:11 PM		VOC											
592-910760	7/6/2023 1:55:01 PM		VOC											
592-910760	7/6/2023 1:54:51 PM		VOC											
592-910760	7/6/2023 1:54:41 PM		VOC											
592-910760	7/6/2023 1:54:31 PM		VOC											
592-910760	7/6/2023 1:54:21 PM		VOC											
592-910760	7/6/2023 1:54:11 PM		VOC											
592-910760	7/6/2023 1:54:01 PM		VOC											
592-910760	7/6/2023 1:53:51 PM		VOC											
592-910760	7/6/2023 1:53:41 PM		VOC											
592-910760	7/6/2023 1:53:31 PM		VOC											
592-910760	7/6/2023 1:53:21 PM		VOC											
592-910760	7/6/2023 1:53:11 PM		VOC											
592-910760	7/6/2023 1:53:01 PM		VOC											
592-910760	7/6/2023 1:52:51 PM		VOC											
592-910760	7/6/2023 1:52:41 PM		VOC											
592-910760	7/6/2023 1:52:31 PM		VOC											
592-910760	7/6/2023 1:52:21 PM		VOC											
592-910760	7/6/2023 1:52:11 PM		VOC											
592-910760	7/6/2023 1:52:01 PM		VOC											
592-910760	7/6/2023 1:51:51 PM		VOC											
592-910760	7/6/2023 1:51:41 PM		VOC											
592-910760	7/6/2023 1:51:31 PM		VOC											
592-910760	7/6/2023 1:51:21 PM		VOC											
592-910760	7/6/2023 1:51:11 PM		VOC											
592-910760	7/6/2023 1:51:01 PM		VOC											
592-910760	7/6/2023 1:50:51 PM		VOC											
592-910760	7/6/2023 1:50:41 PM		VOC											
592-910760	7/6/2023 1:50:31 PM		VOC											
592-910760	7/6/2023 1:50:21 PM		VOC											
592-910760	7/6/2023 1:50:11 PM		VOC											
592-910760	7/6/2023 1:50:01 PM		VOC											
592-910760	7/6/2023 1:49:51 PM		VOC											
592-910760	7/6/2023 1:49:41 PM		VOC											
592-910760	7/6/2023 1:49:31 PM		VOC											
592-910760	7/6/2023 1:49:21 PM		VOC											
592-910760	7/6/2023 1:49:11 PM		VOC											
592-910760	7/6/2023 1:49:01 PM		VOC											
592-910760	7/6/2023 1:48:51 PM		VOC											
592-910760	7/6/2023 1:48:41 PM		VOC											
592-910760	7/6/2023 1:48:31 PM		VOC											
592-910760	7/6/2023 1:48:21 PM		VOC											
592-910760	7/6/2023 1:48:11 PM		VOC											
592-910760	7/6/2023 1:48:01 PM		VOC											
592-910760	7/6/2023 1:47:51 PM		VOC											
592-910760	7/6/2023 1:47:41 PM		VOC											
592-910760	7/6/2023 1:47:31 PM		VOC											
592-910760	7/6/2023 1:47:21 PM		VOC											
592-910760	7/6/2023 1:47:11 PM		VOC											
592-910760	7/6/2023 1:47:01 PM		VOC											
592-910760	7/6/2023 1:46:51 PM		VOC											
592-910760	7/6/2023 1:46:41 PM		VOC											
592-910760	7/6/2023 1:46:31 PM		VOC											
592-910760	7/6/2023 1:46:21 PM		VOC											
592-910760	7/6/2023 1:46:11 PM		VOC											
592-910760	7/6/2023 1:46:01 PM		VOC											
592-910760	7/6/2023 1:45:51 PM		VOC											
592-910760	7/6/2023 1:45:41 PM		VOC											
592-910760	7/6/2023 1:45:31 PM		VOC											
592-910760	7/6/2023 1:45:21 PM		VOC											
592-910760	7/6/2023 1:45:11 PM		VOC											
592-910760	7/6/2023 1:45:01 PM		VOC											
592-910760	7/6/2023 1:44:51 PM		VOC											
592-910760	7/6/2023 1:44:41 PM		VOC											
592-910760	7/6/2023 1:44:31 PM		VOC											
592-910760	7/6/2023 1:44:21 PM		VOC											
592-910760	7/6/2023 1:44:11 PM		VOC											
592-910760	7/6/2023 1:44:01 PM		VOC											
592-910760	7/6/2023 1:43:51 PM		VOC											
592-910760	7/6/2023 1:43:41 PM		VOC											
592-910760	7/6/2023 1:43:31 PM		VOC											
592-910760	7/6/2023 1:43:21 PM		VOC											
592-910760	7/6/2023 1:43:11 PM		VOC											
592-910760	7/6/2023 1:43:01 PM		VOC											
592-910760	7/6/2023 1:42:51 PM		VOC											
592-910760	7/6/2023 1:42:41 PM		VOC											
592-910760	7/6/2023 1:42:31 PM		VOC											
592-910760	7/6/2023 1:42:21 PM		VOC		720.895	720.895								
592-910760	7/6/2023 1:42:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:42:01 PM		VOC		1852112.9	1852112.9								
592-910760	7/6/2023 1:41:51 PM		VOC		1954114.6	1954114.6								
592-910760	7/6/2023 1:41:41 PM		VOC		1936679.5	1936679.5								
592-910760	7/6/2023 1:41:31 PM		VOC		2560.073	2560.073								
592-910760	7/6/2023 1:41:21 PM		VOC		6400.0	6400.0								
592-910760	7/6/2023 1:41:11 PM		VOC		512000.0	512000.0								
592-910760	7/6/2023 1:41:01 PM		VOC		51200.0	51200.0								
592-910760	7/6/2023 1:40:51 PM		VOC		25600.0	25600.0								
592-910760	7/6/2023 1:40:41 PM		VOC		25600.0	25600.0								
592-910760	7/6/2023 1:40:31 PM		VOC		386874.12	386874.12								
592-910760	7/6/2023 1:40:21 PM		VOC		831001.4	831001.4								
592-910760	7/6/2023 1:40:11 PM		VOC		1644167.4	1644167.4								
592-910760	7/6/2023 1:40:01 PM		VOC		0.114	0.114								
592-910760	7/6/2023 1:39:51 PM		VOC		0.11	0.11								
592-910760	7/6/2023 1:39:41 PM		VOC		65.637	65.637								
592-910760	7/6/2023 1:39:31 PM		VOC		15738.369	15738.369								
592-910760	7/6/2023 1:39:21 PM		VOC		1.537	1.537								
592-910760	7/6/2023 1:39:11 PM		VOC		1.024	1.024								
592-910760	7/6/2023 1:39:01 PM		VOC		808464.6	808464.6								
592-910760	7/6/2023 1:38:51 PM		VOC		808464.44	808464.44								
592-910760	7/6/2023 1:38:41 PM		VOC		808452.1	808452.1								
592-910760	7/6/2023 1:38:31 PM		VOC		1160786.0	1160786.0								

592-910760	7/6/2023 1:38:21 PM		VOC		3953.217	3953.217									
592-910760	7/6/2023 1:38:11 PM		VOC		135139.89	135139.89									
592-910760	7/6/2023 1:38:01 PM		VOC		202117.9	202117.9									
592-910760	7/6/2023 1:37:51 PM		VOC		319490.06	319490.06									
592-910760	7/6/2023 1:37:41 PM		VOC		402788.47	402788.47									
592-910760	7/6/2023 1:37:31 PM		VOC		16777.217	16777.217									
592-910760	7/6/2023 1:37:21 PM		VOC		369230.1	369230.1									
592-910760	7/6/2023 1:37:11 PM		VOC		16908.32	16908.32									
592-910760	7/6/2023 1:37:01 PM		VOC		0.0	0.0									
592-910760	7/6/2023 1:36:51 PM		VOC		656.183	656.183									
592-910760	7/6/2023 1:36:41 PM		VOC												
592-910760	7/6/2023 1:36:31 PM		VOC												
592-910760	7/6/2023 1:36:21 PM		VOC												
592-910760	7/6/2023 1:36:11 PM		VOC												
592-910760	7/6/2023 1:36:01 PM		VOC												
592-910760	7/6/2023 1:35:51 PM		VOC												
592-910760	7/6/2023 1:35:41 PM		VOC												
592-910760	7/6/2023 1:35:31 PM		VOC												
592-910760	7/6/2023 1:35:21 PM		VOC												
592-910760	7/6/2023 1:35:11 PM		VOC												
592-910760	7/6/2023 1:35:01 PM		VOC												
592-910760	7/6/2023 1:34:51 PM		VOC												
592-910760	7/6/2023 1:34:41 PM		VOC												
592-910760	7/6/2023 1:34:31 PM		VOC												
592-910760	7/6/2023 1:34:21 PM		VOC												
592-910760	7/6/2023 1:34:11 PM		VOC												
592-910760	7/6/2023 1:34:01 PM		VOC												
592-910760	7/6/2023 1:33:51 PM		VOC												
592-910760	7/6/2023 1:33:41 PM		VOC												
592-910760	7/6/2023 1:33:31 PM		VOC												
592-910760	7/6/2023 1:33:21 PM		VOC												
592-910760	7/6/2023 1:33:11 PM		VOC												
592-910760	7/6/2023 1:33:01 PM		VOC												
592-910760	7/6/2023 1:32:51 PM		VOC												
592-910760	7/6/2023 1:32:41 PM		VOC												
592-910760	7/6/2023 1:32:31 PM		VOC												
592-910760	7/6/2023 1:32:21 PM		VOC												
592-910760	7/6/2023 1:32:11 PM		VOC												
592-910760	7/6/2023 1:32:01 PM		VOC												
592-910760	7/6/2023 1:31:51 PM		VOC												
592-910760	7/6/2023 1:31:41 PM		VOC												
592-910760	7/6/2023 1:31:31 PM		VOC												
592-910760	7/6/2023 1:31:21 PM		VOC												
592-910760	7/6/2023 1:31:11 PM		VOC												
592-910760	7/6/2023 1:31:01 PM		VOC												
592-910760	7/6/2023 1:30:51 PM		VOC												
592-910760	7/6/2023 1:30:41 PM		VOC												
592-910760	7/6/2023 1:30:31 PM		VOC												
592-910760	7/6/2023 1:30:21 PM		VOC												
592-910760	7/6/2023 1:30:11 PM		VOC												
592-910760	7/6/2023 1:30:01 PM		VOC												
592-910760	7/6/2023 1:29:51 PM		VOC												
592-910760	7/6/2023 1:29:41 PM		VOC												
592-910760	7/6/2023 1:29:31 PM		VOC												
592-910760	7/6/2023 1:29:21 PM		VOC												
592-910760	7/6/2023 1:29:11 PM		VOC												
592-910760	7/6/2023 1:29:01 PM		VOC												
592-910760	7/6/2023 1:28:51 PM		VOC												
592-910760	7/6/2023 1:28:41 PM		VOC												
592-910760	7/6/2023 1:28:31 PM		VOC												
592-910760	7/6/2023 1:28:21 PM		VOC												
592-910760	7/6/2023 1:28:11 PM		VOC												
592-910760	7/6/2023 1:28:01 PM		VOC												
592-910760	7/6/2023 1:27:51 PM		VOC												
592-910760	7/6/2023 1:27:41 PM		VOC												
592-910760	7/6/2023 1:27:31 PM		VOC												
592-910760	7/6/2023 1:27:21 PM		VOC												
592-910760	7/6/2023 1:27:11 PM		VOC												
592-910760	7/6/2023 1:27:01 PM		VOC												
592-910760	7/6/2023 1:26:51 PM		VOC												
592-910760	7/6/2023 1:26:41 PM		VOC												
592-910760	7/6/2023 1:26:31 PM		VOC												
592-910760	7/6/2023 1:26:21 PM		VOC												
592-910760	7/6/2023 1:26:11 PM		VOC												
592-910760	7/6/2023 1:26:01 PM		VOC												
592-910760	7/6/2023 1:25:51 PM		VOC												
592-910760	7/6/2023 1:25:41 PM		VOC												
592-910760	7/6/2023 1:25:31 PM		VOC												
592-910760	7/6/2023 1:25:21 PM		VOC												
592-910760	7/6/2023 1:25:11 PM		VOC												
592-910760	7/6/2023 1:25:01 PM		VOC												
592-910760	7/6/2023 1:24:51 PM		VOC												
592-910760	7/6/2023 1:24:41 PM		VOC												
592-910760	7/6/2023 1:24:31 PM		VOC		0.164	0.164									
592-910760	7/6/2023 1:24:21 PM		VOC		0.225	0.225									
592-910760	7/6/2023 1:24:11 PM		VOC		0.469	0.469									
592-910760	7/6/2023 1:24:01 PM		VOC		1.841	1.841									
592-910760	7/6/2023 1:23:51 PM		VOC		0.475	0.475									
592-910760	7/6/2023 1:23:41 PM		VOC		14.006	14.006									
592-910760	7/6/2023 1:23:31 PM		VOC		20.856	20.856									
592-910760	7/6/2023 1:23:21 PM		VOC		9.003	9.003									
592-910760	7/6/2023 1:23:11 PM		VOC		12.757	12.757									
592-910760	7/6/2023 1:23:01 PM		VOC		293.736	293.736									
592-910760	7/6/2023 1:22:51 PM		VOC		0.141	0.141									
592-910760	7/6/2023 1:22:41 PM		VOC		0.157	0.157									
592-910760	7/6/2023 1:22:31 PM		VOC		0.149	0.149									
592-910760	7/6/2023 1:22:21 PM		VOC		0.143	0.143									
592-910760	7/6/2023 1:22:11 PM		VOC		0.466	0.466									
592-910760	7/6/2023 1:22:01 PM		VOC		6.323	6.323									
592-910760	7/6/2023 1:21:51 PM		VOC		0.396	0.396									
592-910760	7/6/2023 1:21:41 PM		VOC		9.872	9.872									

592-910760	7/6/2023 1:21:31 PM		VOC		1.081	1.081									
592-910760	7/6/2023 1:21:21 PM		VOC		0.995	0.995									
592-910760	7/6/2023 1:21:11 PM		VOC		1.143	1.143									
592-910760	7/6/2023 1:21:01 PM		VOC		1.582	1.582									
592-910760	7/6/2023 1:20:51 PM		VOC		2.016	2.016									
592-910760	7/6/2023 1:20:41 PM		VOC		0.0	0.0									
592-910760	7/6/2023 1:20:31 PM		VOC		0.0	0.0									
592-910760	7/6/2023 1:20:21 PM		VOC		655.36	655.36									
592-910760	7/6/2023 1:20:11 PM		VOC		0.0	0.0									
592-910760	7/6/2023 1:20:01 PM		VOC		1852112.9	1852112.9									
592-910760	7/6/2023 1:19:51 PM		VOC		1954114.6	1954114.6									
592-910760	7/6/2023 1:19:41 PM		VOC		1936679.5	1936679.5									
592-910760	7/6/2023 1:19:31 PM		VOC		2560.073	2560.073									
592-910760	7/6/2023 1:19:21 PM		VOC		6400.0	6400.0									
592-910760	7/6/2023 1:19:11 PM		VOC		512000.0	512000.0									
592-910760	7/6/2023 1:19:01 PM		VOC		51200.0	51200.0									
592-910760	7/6/2023 1:18:51 PM		VOC		25600.0	25600.0									
592-910760	7/6/2023 1:18:41 PM		VOC		25600.0	25600.0									
592-910760	7/6/2023 1:18:31 PM		VOC		202121.73	202121.73									
592-910760	7/6/2023 1:18:21 PM		VOC		831001.9	831001.9									
592-910760	7/6/2023 1:18:11 PM		VOC		1644167.4	1644167.4									
592-910760	7/6/2023 1:18:01 PM		VOC		0.0	0.0									
592-910760	7/6/2023 1:17:51 PM		VOC		0.0	0.0									
592-910760	7/6/2023 1:17:41 PM		VOC		65.536	65.536									
592-910760	7/6/2023 1:17:31 PM		VOC		14689.281	14689.281									
592-910760	7/6/2023 1:17:21 PM		VOC		0.001	0.001									
592-910760	7/6/2023 1:17:11 PM		VOC		1.024	1.024									
592-910760	7/6/2023 1:17:01 PM		VOC		808464.6	808464.6									
592-910760	7/6/2023 1:16:51 PM		VOC		808464.44	808464.44									
592-910760	7/6/2023 1:16:41 PM		VOC		808452.1	808452.1									
592-910760	7/6/2023 1:16:31 PM		VOC		1160786.0	1160786.0									
592-910760	7/6/2023 1:16:21 PM		VOC		3953.217	3953.217									
592-910760	7/6/2023 1:16:11 PM		VOC		487471.12	487471.12									
592-910760	7/6/2023 1:16:01 PM		VOC		939660.8	939660.8									
592-910760	7/6/2023 1:15:51 PM		VOC		369302.8	369302.8									
592-910760	7/6/2023 1:15:41 PM		VOC		135.281	135.281									
592-910760	7/6/2023 1:15:31 PM		VOC		16777.217	16777.217									
592-910760	7/6/2023 1:15:21 PM		VOC		369230.1	369230.1									
592-910760	7/6/2023 1:15:11 PM		VOC		16908.32	16908.32									
592-910760	7/6/2023 1:15:01 PM		VOC		2458978.2	2458978.2									
592-910760	7/6/2023 1:14:51 PM		VOC		17.669	17.669									
592-910760	7/6/2023 1:14:41 PM		VOC												
592-910760	7/6/2023 1:14:31 PM		VOC												
592-910760	7/6/2023 1:14:21 PM		VOC												
592-910760	7/6/2023 1:14:11 PM		VOC												
592-910760	7/6/2023 1:14:01 PM		VOC												
592-910760	7/6/2023 1:13:51 PM		VOC												
592-910760	7/6/2023 1:13:41 PM		VOC												
592-910760	7/6/2023 1:13:31 PM		VOC												
592-910760	7/6/2023 1:13:21 PM		VOC												
592-910760	7/6/2023 1:13:11 PM		VOC												
592-910760	7/6/2023 1:13:01 PM		VOC												
592-910760	7/6/2023 1:12:51 PM		VOC												
592-910760	7/6/2023 1:12:41 PM		VOC												
592-910760	7/6/2023 1:12:31 PM		VOC												
592-910760	7/6/2023 1:12:21 PM		VOC												
592-910760	7/6/2023 1:12:11 PM		VOC												
592-910760	7/6/2023 1:12:01 PM		VOC												
592-910760	7/6/2023 1:11:51 PM		VOC												
592-910760	7/6/2023 1:11:41 PM		VOC												
592-910760	7/6/2023 1:11:31 PM		VOC												
592-910760	7/6/2023 1:11:21 PM		VOC												
592-910760	7/6/2023 1:11:11 PM		VOC												
592-910760	7/6/2023 1:11:01 PM		VOC												
592-910760	7/6/2023 1:10:51 PM		VOC												
592-910760	7/6/2023 1:10:41 PM		VOC												
592-910760	7/6/2023 1:10:31 PM		VOC												
592-910760	7/6/2023 1:10:21 PM		VOC												
592-910760	7/6/2023 1:10:11 PM		VOC												
592-910760	7/6/2023 1:10:01 PM		VOC												
592-910760	7/6/2023 1:09:51 PM		VOC												
592-910760	7/6/2023 1:09:41 PM		VOC												
592-910760	7/6/2023 1:09:31 PM		VOC												
592-910760	7/6/2023 1:09:21 PM		VOC												
592-910760	7/6/2023 1:09:11 PM		VOC												
592-910760	7/6/2023 1:09:01 PM		VOC												
592-910760	7/6/2023 1:08:51 PM		VOC												
592-910760	7/6/2023 1:08:41 PM		VOC												
592-910760	7/6/2023 1:08:31 PM		VOC												
592-910760	7/6/2023 1:08:21 PM		VOC												
592-910760	7/6/2023 1:08:11 PM		VOC												
592-910760	7/6/2023 1:08:01 PM		VOC												
592-910760	7/6/2023 1:07:51 PM		VOC												
592-910760	7/6/2023 1:07:41 PM		VOC												
592-910760	7/6/2023 1:07:31 PM		VOC												
592-910760	7/6/2023 1:07:21 PM		VOC												
592-910760	7/6/2023 1:07:11 PM		VOC												
592-910760	7/6/2023 1:07:01 PM		VOC												
592-910760	7/6/2023 1:06:51 PM		VOC												
592-910760	7/6/2023 1:06:41 PM		VOC												
592-910760	7/6/2023 1:06:31 PM		VOC												
592-910760	7/6/2023 1:06:21 PM		VOC												
592-910760	7/6/2023 1:06:11 PM		VOC												
592-910760	7/6/2023 1:06:01 PM		VOC												
592-910760	7/6/2023 1:05:51 PM		VOC												
592-910760	7/6/2023 1:05:41 PM		VOC												
592-910760	7/6/2023 1:05:31 PM		VOC												
592-910760	7/6/2023 1:05:21 PM		VOC												
592-910760	7/6/2023 1:05:11 PM		VOC												
592-910760	7/6/2023 1:05:01 PM		VOC												
592-910760	7/6/2023 1:04:51 PM		VOC												

592-910760	7/6/2023 1:04:41 PM		VOC											
592-910760	7/6/2023 1:04:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:04:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:04:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:04:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:03:51 PM		VOC		0.094	0.094								
592-910760	7/6/2023 1:03:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:03:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:03:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:03:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:03:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:02:51 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:02:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:02:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:02:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:02:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:02:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:01:51 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:01:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:01:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:01:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:01:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:01:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:00:51 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:00:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:00:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:00:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:00:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 1:00:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:59:51 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:59:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:59:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:59:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:59:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:59:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:58:51 PM		VOC		0.33	0.33								
592-910760	7/6/2023 12:58:41 PM		VOC		1.18	1.18								
592-910760	7/6/2023 12:58:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:58:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:58:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:58:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:57:51 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:57:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:57:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:57:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:57:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:57:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:56:51 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:56:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:56:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:56:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:56:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:56:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:55:51 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:55:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:55:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:55:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:55:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:55:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:54:51 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:54:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:54:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:54:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:54:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:54:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:53:51 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:53:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:53:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:53:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:53:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:53:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:52:51 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:52:41 PM		VOC											
592-910760	7/6/2023 12:52:31 PM		VOC											
592-910760	7/6/2023 12:52:21 PM		VOC											
592-910760	7/6/2023 12:52:11 PM		VOC											
592-910760	7/6/2023 12:52:01 PM		VOC											
592-910760	7/6/2023 12:51:51 PM		VOC											
592-910760	7/6/2023 12:51:41 PM		VOC											
592-910760	7/6/2023 12:51:31 PM		VOC											
592-910760	7/6/2023 12:51:21 PM		VOC											
592-910760	7/6/2023 12:51:11 PM		VOC											
592-910760	7/6/2023 12:51:01 PM		VOC											
592-910760	7/6/2023 12:50:51 PM		VOC											
592-910760	7/6/2023 12:50:41 PM		VOC											
592-910760	7/6/2023 12:50:31 PM		VOC											
592-910760	7/6/2023 12:50:21 PM		VOC											
592-910760	7/6/2023 12:50:11 PM		VOC											
592-910760	7/6/2023 12:50:01 PM		VOC											
592-910760	7/6/2023 12:49:51 PM		VOC											
592-910760	7/6/2023 12:49:41 PM		VOC											
592-910760	7/6/2023 12:49:31 PM		VOC											
592-910760	7/6/2023 12:49:21 PM		VOC											
592-910760	7/6/2023 12:49:11 PM		VOC											
592-910760	7/6/2023 12:49:01 PM		VOC											
592-910760	7/6/2023 12:48:51 PM		VOC											
592-910760	7/6/2023 12:48:41 PM		VOC											
592-910760	7/6/2023 12:48:31 PM		VOC											
592-910760	7/6/2023 12:48:21 PM		VOC											
592-910760	7/6/2023 12:48:11 PM		VOC											
592-910760	7/6/2023 12:48:01 PM		VOC											

592-910760	7/6/2023 12:47:51 PM		VOC											
592-910760	7/6/2023 12:47:41 PM		VOC											
592-910760	7/6/2023 12:47:31 PM		VOC											
592-910760	7/6/2023 12:47:21 PM		VOC											
592-910760	7/6/2023 12:47:11 PM		VOC											
592-910760	7/6/2023 12:47:01 PM		VOC											
592-910760	7/6/2023 12:46:51 PM		VOC											
592-910760	7/6/2023 12:46:41 PM		VOC											
592-910760	7/6/2023 12:46:31 PM		VOC											
592-910760	7/6/2023 12:46:21 PM		VOC											
592-910760	7/6/2023 12:46:11 PM		VOC											
592-910760	7/6/2023 12:46:01 PM		VOC											
592-910760	7/6/2023 12:45:51 PM		VOC											
592-910760	7/6/2023 12:45:41 PM		VOC											
592-910760	7/6/2023 12:45:31 PM		VOC											
592-910760	7/6/2023 12:45:21 PM		VOC											
592-910760	7/6/2023 12:45:11 PM		VOC											
592-910760	7/6/2023 12:45:01 PM		VOC											
592-910760	7/6/2023 12:44:51 PM		VOC											
592-910760	7/6/2023 12:44:41 PM		VOC											
592-910760	7/6/2023 12:44:31 PM		VOC											
592-910760	7/6/2023 12:44:21 PM		VOC											
592-910760	7/6/2023 12:44:11 PM		VOC											
592-910760	7/6/2023 12:44:01 PM		VOC											
592-910760	7/6/2023 12:43:51 PM		VOC											
592-910760	7/6/2023 12:43:41 PM		VOC											
592-910760	7/6/2023 12:43:31 PM		VOC											
592-910760	7/6/2023 12:43:21 PM		VOC											
592-910760	7/6/2023 12:43:11 PM		VOC											
592-910760	7/6/2023 12:43:01 PM		VOC											
592-910760	7/6/2023 12:42:51 PM		VOC											
592-910760	7/6/2023 12:42:41 PM		VOC											
592-910760	7/6/2023 12:42:31 PM		VOC											
592-910760	7/6/2023 12:42:21 PM		VOC											
592-910760	7/6/2023 12:42:11 PM		VOC											
592-910760	7/6/2023 12:42:01 PM		VOC											
592-910760	7/6/2023 12:41:51 PM		VOC											
592-910760	7/6/2023 12:41:41 PM		VOC											
592-910760	7/6/2023 12:41:31 PM		VOC											
592-910760	7/6/2023 12:41:21 PM		VOC											
592-910760	7/6/2023 12:41:11 PM		VOC											
592-910760	7/6/2023 12:41:01 PM		VOC											
592-910760	7/6/2023 12:40:51 PM		VOC											
592-910760	7/6/2023 12:40:41 PM		VOC											
592-910760	7/6/2023 12:40:31 PM		VOC											
592-910760	7/6/2023 12:40:21 PM		VOC											
592-910760	7/6/2023 12:40:11 PM		VOC											
592-910760	7/6/2023 12:40:01 PM		VOC											
592-910760	7/6/2023 12:39:51 PM		VOC											
592-910760	7/6/2023 12:39:41 PM		VOC											
592-910760	7/6/2023 12:39:31 PM		VOC											
592-910760	7/6/2023 12:39:21 PM		VOC											
592-910760	7/6/2023 12:39:11 PM		VOC											
592-910760	7/6/2023 12:39:01 PM		VOC											
592-910760	7/6/2023 12:38:51 PM		VOC											
592-910760	7/6/2023 12:38:41 PM		VOC											
592-910760	7/6/2023 12:38:31 PM		VOC											
592-910760	7/6/2023 12:38:21 PM		VOC											
592-910760	7/6/2023 12:38:11 PM		VOC											
592-910760	7/6/2023 12:38:01 PM		VOC											
592-910760	7/6/2023 12:37:51 PM		VOC											
592-910760	7/6/2023 12:37:41 PM		VOC											
592-910760	7/6/2023 12:37:31 PM		VOC											
592-910760	7/6/2023 12:37:21 PM		VOC											
592-910760	7/6/2023 12:37:11 PM		VOC											
592-910760	7/6/2023 12:37:01 PM		VOC											
592-910760	7/6/2023 12:36:51 PM		VOC											
592-910760	7/6/2023 12:36:41 PM		VOC											
592-910760	7/6/2023 12:36:31 PM		VOC											
592-910760	7/6/2023 12:36:21 PM		VOC		720.895	720.895								
592-910760	7/6/2023 12:36:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:36:01 PM		VOC		1852112.9	1852112.9								
592-910760	7/6/2023 12:35:51 PM		VOC		1954114.6	1954114.6								
592-910760	7/6/2023 12:35:41 PM		VOC		1936679.5	1936679.5								
592-910760	7/6/2023 12:35:31 PM		VOC		2560.073	2560.073								
592-910760	7/6/2023 12:35:21 PM		VOC		6400.0	6400.0								
592-910760	7/6/2023 12:35:11 PM		VOC		512000.0	512000.0								
592-910760	7/6/2023 12:35:01 PM		VOC		51200.0	51200.0								
592-910760	7/6/2023 12:34:51 PM		VOC		25600.0	25600.0								
592-910760	7/6/2023 12:34:41 PM		VOC		25600.0	25600.0								
592-910760	7/6/2023 12:34:31 PM		VOC		202121.73	202121.73								
592-910760	7/6/2023 12:34:21 PM		VOC		831001.9	831001.9								
592-910760	7/6/2023 12:34:11 PM		VOC		1644167.4	1644167.4								
592-910760	7/6/2023 12:34:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:33:51 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:33:41 PM		VOC		65.536	65.536								
592-910760	7/6/2023 12:33:31 PM		VOC		12591.105	12591.105								
592-910760	7/6/2023 12:33:21 PM		VOC		18.177	18.177								
592-910760	7/6/2023 12:33:11 PM		VOC		1.024	1.024								
592-910760	7/6/2023 12:33:01 PM		VOC		808464.6	808464.6								
592-910760	7/6/2023 12:32:51 PM		VOC		808464.44	808464.44								
592-910760	7/6/2023 12:32:41 PM		VOC		808452.1	808452.1								
592-910760	7/6/2023 12:32:31 PM		VOC		1160786.0	1160786.0								
592-910760	7/6/2023 12:32:21 PM		VOC		3953.217	3953.217								
592-910760	7/6/2023 12:32:11 PM		VOC		487465.53	487465.53								
592-910760	7/6/2023 12:32:01 PM		VOC		386143.75	386143.75								
592-910760	7/6/2023 12:31:51 PM		VOC		369302.8	369302.8								
592-910760	7/6/2023 12:31:41 PM		VOC		469897.34	469897.34								
592-910760	7/6/2023 12:31:31 PM		VOC		16777.217	16777.217								
592-910760	7/6/2023 12:31:21 PM		VOC		369230.1	369230.1								
592-910760	7/6/2023 12:31:11 PM		VOC		16908.32	16908.32								

592-910760	7/6/2023 12:31:01 PM		VOC		2458978.2	2458978.2								
592-910760	7/6/2023 12:30:51 PM		VOC		17.669	17.669								
592-910760	7/6/2023 12:30:41 PM		VOC											
592-910760	7/6/2023 12:30:31 PM		VOC											
592-910760	7/6/2023 12:30:21 PM		VOC											
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592-910760	7/6/2023 12:29:51 PM		VOC											
592-910760	7/6/2023 12:29:41 PM		VOC											
592-910760	7/6/2023 12:29:31 PM		VOC											
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592-910760	7/6/2023 12:29:11 PM		VOC											
592-910760	7/6/2023 12:29:01 PM		VOC											
592-910760	7/6/2023 12:28:51 PM		VOC											
592-910760	7/6/2023 12:28:41 PM		VOC											
592-910760	7/6/2023 12:28:31 PM		VOC											
592-910760	7/6/2023 12:28:21 PM		VOC											
592-910760	7/6/2023 12:28:11 PM		VOC											
592-910760	7/6/2023 12:28:01 PM		VOC											
592-910760	7/6/2023 12:27:51 PM		VOC											
592-910760	7/6/2023 12:27:41 PM		VOC											
592-910760	7/6/2023 12:27:31 PM		VOC											
592-910760	7/6/2023 12:27:21 PM		VOC											
592-910760	7/6/2023 12:27:11 PM		VOC											
592-910760	7/6/2023 12:27:01 PM		VOC											
592-910760	7/6/2023 12:26:51 PM		VOC											
592-910760	7/6/2023 12:26:41 PM		VOC											
592-910760	7/6/2023 12:26:31 PM		VOC											
592-910760	7/6/2023 12:26:21 PM		VOC											
592-910760	7/6/2023 12:26:11 PM		VOC											
592-910760	7/6/2023 12:26:01 PM		VOC											
592-910760	7/6/2023 12:25:51 PM		VOC											
592-910760	7/6/2023 12:25:41 PM		VOC											
592-910760	7/6/2023 12:25:31 PM		VOC											
592-910760	7/6/2023 12:25:21 PM		VOC											
592-910760	7/6/2023 12:25:11 PM		VOC											
592-910760	7/6/2023 12:25:01 PM		VOC											
592-910760	7/6/2023 12:24:51 PM		VOC											
592-910760	7/6/2023 12:24:41 PM		VOC											
592-910760	7/6/2023 12:24:31 PM		VOC											
592-910760	7/6/2023 12:24:21 PM		VOC											
592-910760	7/6/2023 12:24:11 PM		VOC											
592-910760	7/6/2023 12:24:01 PM		VOC											
592-910760	7/6/2023 12:23:51 PM		VOC											
592-910760	7/6/2023 12:23:41 PM		VOC											
592-910760	7/6/2023 12:23:31 PM		VOC											
592-910760	7/6/2023 12:23:21 PM		VOC											
592-910760	7/6/2023 12:23:11 PM		VOC											
592-910760	7/6/2023 12:23:01 PM		VOC											
592-910760	7/6/2023 12:22:51 PM		VOC											
592-910760	7/6/2023 12:22:41 PM		VOC											
592-910760	7/6/2023 12:22:31 PM		VOC											
592-910760	7/6/2023 12:22:21 PM		VOC											
592-910760	7/6/2023 12:22:11 PM		VOC											
592-910760	7/6/2023 12:22:01 PM		VOC											
592-910760	7/6/2023 12:21:51 PM		VOC											
592-910760	7/6/2023 12:21:41 PM		VOC											
592-910760	7/6/2023 12:21:31 PM		VOC											
592-910760	7/6/2023 12:21:21 PM		VOC											
592-910760	7/6/2023 12:21:11 PM		VOC											
592-910760	7/6/2023 12:21:01 PM		VOC											
592-910760	7/6/2023 12:20:51 PM		VOC											
592-910760	7/6/2023 12:20:41 PM		VOC											
592-910760	7/6/2023 12:20:31 PM		VOC											
592-910760	7/6/2023 12:20:21 PM		VOC											
592-910760	7/6/2023 12:20:11 PM		VOC											
592-910760	7/6/2023 12:20:01 PM		VOC											
592-910760	7/6/2023 12:19:51 PM		VOC											
592-910760	7/6/2023 12:19:41 PM		VOC											
592-910760	7/6/2023 12:19:31 PM		VOC											
592-910760	7/6/2023 12:19:21 PM		VOC											
592-910760	7/6/2023 12:19:11 PM		VOC											
592-910760	7/6/2023 12:19:01 PM		VOC											
592-910760	7/6/2023 12:18:51 PM		VOC											
592-910760	7/6/2023 12:18:41 PM		VOC											
592-910760	7/6/2023 12:18:31 PM		VOC											
592-910760	7/6/2023 12:18:21 PM		VOC											
592-910760	7/6/2023 12:18:11 PM		VOC											
592-910760	7/6/2023 12:18:01 PM		VOC		23.697	23.697								
592-910760	7/6/2023 12:17:51 PM		VOC		0.001	0.001								
592-910760	7/6/2023 12:17:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:17:31 PM		VOC		0.0	0.0								
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592-910760	7/6/2023 12:17:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:17:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:16:51 PM		VOC		0.0	0.0								
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592-910760	7/6/2023 12:16:31 PM		VOC		0.0	0.0								
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592-910760	7/6/2023 12:16:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:16:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:15:51 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:15:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:15:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:15:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:15:11 PM		VOC		0.0	0.0								
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592-910760	7/6/2023 12:14:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:14:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:14:21 PM		VOC		0.0	0.0								

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592-910760	7/6/2023 12:14:01 PM		VOC		0.0	0.0								
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592-910760	7/6/2023 12:13:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:13:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:13:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:13:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:13:01 PM		VOC		0.0	0.0								
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592-910760	7/6/2023 12:12:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:12:31 PM		VOC		0.0	0.0								
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592-910760	7/6/2023 12:11:51 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:11:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:11:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:11:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:11:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:11:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:10:51 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:10:41 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:10:31 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:10:21 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:10:11 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:10:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:09:51 PM		VOC		0.0	0.0								
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592-910760	7/6/2023 12:09:31 PM		VOC		0.0	0.0								
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592-910760	7/6/2023 12:09:01 PM		VOC		0.0	0.0								
592-910760	7/6/2023 12:08:51 PM		VOC		655.36	655.36								
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592-910760	7/6/2023 12:08:31 PM		VOC											
592-910760	7/6/2023 12:08:21 PM		VOC											
592-910760	7/6/2023 12:08:11 PM		VOC											
592-910760	7/6/2023 12:08:01 PM		VOC											
592-910760	7/6/2023 12:07:51 PM		VOC											
592-910760	7/6/2023 12:07:41 PM		VOC											
592-910760	7/6/2023 12:07:31 PM		VOC											
592-910760	7/6/2023 12:07:21 PM		VOC											
592-910760	7/6/2023 12:07:11 PM		VOC											
592-910760	7/6/2023 12:07:01 PM		VOC											
592-910760	7/6/2023 12:06:51 PM		VOC											
592-910760	7/6/2023 12:06:41 PM		VOC											
592-910760	7/6/2023 12:06:31 PM		VOC											
592-910760	7/6/2023 12:06:21 PM		VOC											
592-910760	7/6/2023 12:06:11 PM		VOC											
592-910760	7/6/2023 12:06:01 PM		VOC											
592-910760	7/6/2023 12:05:51 PM		VOC											
592-910760	7/6/2023 12:05:41 PM		VOC											
592-910760	7/6/2023 12:05:31 PM		VOC											
592-910760	7/6/2023 12:05:21 PM		VOC											
592-910760	7/6/2023 12:05:11 PM		VOC											
592-910760	7/6/2023 12:05:01 PM		VOC											
592-910760	7/6/2023 12:04:51 PM		VOC											
592-910760	7/6/2023 12:04:41 PM		VOC											
592-910760	7/6/2023 12:04:31 PM		VOC											
592-910760	7/6/2023 12:04:21 PM		VOC											
592-910760	7/6/2023 12:04:11 PM		VOC											
592-910760	7/6/2023 12:04:01 PM		VOC											
592-910760	7/6/2023 12:03:51 PM		VOC											
592-910760	7/6/2023 12:03:41 PM		VOC											
592-910760	7/6/2023 12:03:31 PM		VOC											
592-910760	7/6/2023 12:03:21 PM		VOC											
592-910760	7/6/2023 12:03:11 PM		VOC											
592-910760	7/6/2023 12:03:01 PM		VOC											
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592-910760	7/6/2023 12:02:41 PM		VOC											
592-910760	7/6/2023 12:02:31 PM		VOC											
592-910760	7/6/2023 12:02:21 PM		VOC											
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592-910760	7/6/2023 12:02:01 PM		VOC											
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592-910760	7/6/2023 12:01:41 PM		VOC											
592-910760	7/6/2023 12:01:31 PM		VOC											
592-910760	7/6/2023 12:01:21 PM		VOC											
592-910760	7/6/2023 12:01:11 PM		VOC											
592-910760	7/6/2023 12:01:01 PM		VOC											
592-910760	7/6/2023 12:00:51 PM		VOC											
592-910760	7/6/2023 12:00:41 PM		VOC											
592-910760	7/6/2023 12:00:31 PM		VOC											
592-910760	7/6/2023 12:00:21 PM		VOC											
592-910760	7/6/2023 12:00:11 PM		VOC											
592-910760	7/6/2023 12:00:01 PM		VOC											
592-910760	7/6/2023 11:59:51 AM		VOC											
592-910760	7/6/2023 11:59:41 AM		VOC											
592-910760	7/6/2023 11:59:31 AM		VOC											
592-910760	7/6/2023 11:59:21 AM		VOC											
592-910760	7/6/2023 11:59:11 AM		VOC											
592-910760	7/6/2023 11:59:01 AM		VOC											
592-910760	7/6/2023 11:58:51 AM		VOC											
592-910760	7/6/2023 11:58:41 AM		VOC											
592-910760	7/6/2023 11:58:31 AM		VOC											
592-910760	7/6/2023 11:58:21 AM		VOC											
592-910760	7/6/2023 11:58:11 AM		VOC											
592-910760	7/6/2023 11:58:01 AM		VOC											
592-910760	7/6/2023 11:57:51 AM		VOC		0.176	0.176								
592-910760	7/6/2023 11:57:41 AM		VOC		0.12	0.12								
592-910760	7/6/2023 11:57:31 AM		VOC		0.129	0.129								

592-910760	7/6/2023 11:57:21 AM		VOC		0.166	0.166								
592-910760	7/6/2023 11:57:11 AM		VOC		0.137	0.137								
592-910760	7/6/2023 11:57:01 AM		VOC		0.137	0.137								
592-910760	7/6/2023 11:56:51 AM		VOC		0.129	0.129								
592-910760	7/6/2023 11:56:41 AM		VOC		0.133	0.133								
592-910760	7/6/2023 11:56:31 AM		VOC		0.133	0.133								
592-910760	7/6/2023 11:56:21 AM		VOC		0.131	0.131								
592-910760	7/6/2023 11:56:11 AM		VOC		0.143	0.143								
592-910760	7/6/2023 11:56:01 AM		VOC		0.129	0.129								
592-910760	7/6/2023 11:55:51 AM		VOC		0.125	0.125								
592-910760	7/6/2023 11:55:41 AM		VOC		0.142	0.142								
592-910760	7/6/2023 11:55:31 AM		VOC		0.12	0.12								
592-910760	7/6/2023 11:55:21 AM		VOC		0.111	0.111								
592-910760	7/6/2023 11:55:11 AM		VOC		0.115	0.115								
592-910760	7/6/2023 11:55:01 AM		VOC		0.118	0.118								
592-910760	7/6/2023 11:54:51 AM		VOC		0.113	0.113								
592-910760	7/6/2023 11:54:41 AM		VOC		0.58	0.58								
592-910760	7/6/2023 11:54:31 AM		VOC		0.491	0.491								
592-910760	7/6/2023 11:54:21 AM		VOC		2.376	2.376								
592-910760	7/6/2023 11:54:11 AM		VOC		0.135	0.135								
592-910760	7/6/2023 11:54:01 AM		VOC		0.142	0.142								
592-910760	7/6/2023 11:53:51 AM		VOC		0.158	0.158								
592-910760	7/6/2023 11:53:41 AM		VOC		0.184	0.184								
592-910760	7/6/2023 11:53:31 AM		VOC		0.203	0.203								
592-910760	7/6/2023 11:53:21 AM		VOC		0.0	0.0								
592-910760	7/6/2023 11:53:11 AM		VOC		0.0	0.0								
592-910760	7/6/2023 11:53:01 AM		VOC		0.0	0.0								
592-910760	7/6/2023 11:52:51 AM		VOC		0.0	0.0								
592-910760	7/6/2023 11:52:41 AM		VOC		0.0	0.0								
592-910760	7/6/2023 11:52:31 AM		VOC		0.0	0.0								
592-910760	7/6/2023 11:52:21 AM		VOC		655.36	655.36								
592-910760	7/6/2023 11:52:11 AM		VOC		0.0	0.0								
592-910760	7/6/2023 11:52:01 AM		VOC		1852112.9	1852112.9								
592-910760	7/6/2023 11:51:51 AM		VOC		1954114.6	1954114.6								
592-910760	7/6/2023 11:51:41 AM		VOC		1936679.5	1936679.5								
592-910760	7/6/2023 11:51:31 AM		VOC		2560.073	2560.073								
592-910760	7/6/2023 11:51:21 AM		VOC		6400.0	6400.0								
592-910760	7/6/2023 11:51:11 AM		VOC		512000.0	512000.0								
592-910760	7/6/2023 11:51:01 AM		VOC		51200.0	51200.0								
592-910760	7/6/2023 11:50:51 AM		VOC		25600.0	25600.0								
592-910760	7/6/2023 11:50:41 AM		VOC		25600.0	25600.0								
592-910760	7/6/2023 11:50:31 AM		VOC		202121.73	202121.73								
592-910760	7/6/2023 11:50:21 AM		VOC		831001.9	831001.9								
592-910760	7/6/2023 11:50:11 AM		VOC		1644167.4	1644167.4								
592-910760	7/6/2023 11:50:01 AM		VOC		0.0	0.0								
592-910760	7/6/2023 11:49:51 AM		VOC		0.0	0.0								
592-910760	7/6/2023 11:49:41 AM		VOC		65.536	65.536								
592-910760	7/6/2023 11:49:31 AM		VOC		10492.929	10492.929								
592-910760	7/6/2023 11:49:21 AM		VOC		0.001	0.001								
592-910760	7/6/2023 11:49:11 AM		VOC		1.024	1.024								
592-910760	7/6/2023 11:49:01 AM		VOC		808464.6	808464.6								
592-910760	7/6/2023 11:48:51 AM		VOC		808464.44	808464.44								
592-910760	7/6/2023 11:48:41 AM		VOC		808452.1	808452.1								
592-910760	7/6/2023 11:48:31 AM		VOC		1160786.0	1160786.0								
592-910760	7/6/2023 11:48:21 AM		VOC		3953.217	3953.217								
592-910760	7/6/2023 11:48:11 AM		VOC		471079.22	471079.22								
592-910760	7/6/2023 11:48:01 AM		VOC		421598.72	421598.72								
592-910760	7/6/2023 11:47:51 AM		VOC		369302.56	369302.56								
592-910760	7/6/2023 11:47:41 AM		VOC		135.281	135.281								
592-910760	7/6/2023 11:47:31 AM		VOC		16777.217	16777.217								
592-910760	7/6/2023 11:47:21 AM		VOC		369230.1	369230.1								
592-910760	7/6/2023 11:47:11 AM		VOC		16908.32	16908.32								
592-910760	7/6/2023 11:47:01 AM		VOC		2458978.2	2458978.2								
592-910760	7/6/2023 11:46:51 AM		VOC		17.669	17.669								
592-910760	7/6/2023 11:46:41 AM		VOC											
592-910760	7/6/2023 11:46:31 AM		VOC											
592-910760	7/6/2023 11:46:21 AM		VOC											
592-910760	7/6/2023 11:46:11 AM		VOC											
592-910760	7/6/2023 11:46:01 AM		VOC											
592-910760	7/6/2023 11:45:51 AM		VOC											
592-910760	7/6/2023 11:45:41 AM		VOC											
592-910760	7/6/2023 11:45:31 AM		VOC											
592-910760	7/6/2023 11:45:21 AM		VOC											
592-910760	7/6/2023 11:45:11 AM		VOC											
592-910760	7/6/2023 11:45:01 AM		VOC											
592-910760	7/6/2023 11:44:51 AM		VOC											
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592-910760	7/6/2023 11:44:31 AM		VOC											
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592-910760	7/6/2023 11:44:11 AM		VOC											
592-910760	7/6/2023 11:44:01 AM		VOC											
592-910760	7/6/2023 11:43:51 AM		VOC											
592-910760	7/6/2023 11:43:41 AM		VOC											
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592-910760	7/6/2023 11:43:01 AM		VOC											
592-910760	7/6/2023 11:42:51 AM		VOC											
592-910760	7/6/2023 11:42:41 AM		VOC											
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592-910760	7/6/2023 11:42:01 AM		VOC											
592-910760	7/6/2023 11:41:51 AM		VOC											
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592-910760	7/6/2023 11:39:41 AM		VOC										
592-910760	7/6/2023 11:39:31 AM		VOC										
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592-910760	7/6/2023 11:39:01 AM		VOC										
592-910760	7/6/2023 11:38:51 AM		VOC										
592-910760	7/6/2023 11:38:41 AM		VOC										
592-910760	7/6/2023 11:38:31 AM		VOC										
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592-910760	7/6/2023 11:38:11 AM		VOC										
592-910760	7/6/2023 11:38:01 AM		VOC										
592-910760	7/6/2023 11:37:51 AM		VOC										
592-910760	7/6/2023 11:37:41 AM		VOC										
592-910760	7/6/2023 11:37:31 AM		VOC										
592-910760	7/6/2023 11:37:21 AM		VOC										
592-910760	7/6/2023 11:37:11 AM		VOC										
592-910760	7/6/2023 11:37:01 AM		VOC										
592-910760	7/6/2023 11:36:51 AM		VOC										
592-910760	7/6/2023 11:36:41 AM		VOC										
592-910760	7/6/2023 11:36:31 AM		VOC										
592-910760	7/6/2023 11:36:21 AM		VOC										
592-910760	7/6/2023 11:36:11 AM		VOC										
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592-910760	7/6/2023 11:29:51 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:29:41 AM		VOC		0.0	0.0							
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592-910760	7/6/2023 11:29:21 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:29:11 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:29:01 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:28:51 AM		VOC		0.0	0.0							
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592-910760	7/6/2023 11:28:01 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:27:51 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:27:41 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:27:31 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:27:21 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:27:11 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:27:01 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:26:51 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:26:41 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:26:31 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:26:21 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:26:11 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:26:01 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:25:51 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:25:41 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:25:31 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:25:21 AM		VOC		0.0	0.0							
592-910760	7/6/2023 11:25:11 AM		VOC		0.103	0.103							
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592-910760	7/6/2023 11:24:51 AM		VOC		0.636	0.636							
592-910760	7/6/2023 11:24:41 AM		VOC										
592-910760	7/6/2023 11:24:31 AM		VOC										
592-910760	7/6/2023 11:24:21 AM		VOC										
592-910760	7/6/2023 11:24:11 AM		VOC										
592-910760	7/6/2023 11:24:01 AM		VOC										
592-910760	7/6/2023 11:23:51 AM		VOC										

592-910760	7/6/2023 11:23:41 AM		VOC											
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592-910760	7/6/2023 11:11:01 AM		VOC											
592-910760	7/6/2023 11:10:51 AM		VOC											
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592-910760	7/6/2023 11:09:51 AM		VOC											
592-910760	7/6/2023 11:09:41 AM		VOC											
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592-910760	7/6/2023 11:09:11 AM		VOC		0.0	0.0								
592-910760	7/6/2023 11:09:01 AM		VOC		0.0	0.0								
592-910760	7/6/2023 11:08:51 AM		VOC		0.0	0.0								
592-910760	7/6/2023 11:08:41 AM		VOC		0.027	0.027								
592-910760	7/6/2023 11:08:31 AM		VOC		0.0	0.0								
592-910760	7/6/2023 11:08:21 AM		VOC		655.36	655.36								
592-910760	7/6/2023 11:08:11 AM		VOC		0.0	0.0								
592-910760	7/6/2023 11:08:01 AM		VOC		1852112.9	1852112.9								
592-910760	7/6/2023 11:07:51 AM		VOC		1954114.6	1954114.6								
592-910760	7/6/2023 11:07:41 AM		VOC		1936679.5	1936679.5								
592-910760	7/6/2023 11:07:31 AM		VOC		2560.073	2560.073								
592-910760	7/6/2023 11:07:21 AM		VOC		6400.0	6400.0								
592-910760	7/6/2023 11:07:11 AM		VOC		512000.0	512000.0								
592-910760	7/6/2023 11:07:01 AM		VOC		51200.0	51200.0								

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592-910760	7/6/2023 11:06:41 AM		VOC		25600.0	25600.0									
592-910760	7/6/2023 11:06:31 AM		VOC		202121.73	202121.73									
592-910760	7/6/2023 11:06:21 AM		VOC		831001.9	831001.9									
592-910760	7/6/2023 11:06:11 AM		VOC		1644167.4	1644167.4									
592-910760	7/6/2023 11:06:01 AM		VOC		0.0	0.0									
592-910760	7/6/2023 11:05:51 AM		VOC		0.0	0.0									
592-910760	7/6/2023 11:05:41 AM		VOC		65.536	65.536									
592-910760	7/6/2023 11:05:31 AM		VOC		8394.753	8394.753									
592-910760	7/6/2023 11:05:21 AM		VOC		17.153	17.153									
592-910760	7/6/2023 11:05:11 AM		VOC		1.024	1.024									
592-910760	7/6/2023 11:05:01 AM		VOC		808464.6	808464.6									
592-910760	7/6/2023 11:04:51 AM		VOC		808464.44	808464.44									
592-910760	7/6/2023 11:04:41 AM		VOC		808452.1	808452.1									
592-910760	7/6/2023 11:04:31 AM		VOC		1160786.0	1160786.0									
592-910760	7/6/2023 11:04:21 AM		VOC		3953.217	3953.217									
592-910760	7/6/2023 11:04:11 AM		VOC		118755.88	118755.88									
592-910760	7/6/2023 11:04:01 AM		VOC		185603.6	185603.6									
592-910760	7/6/2023 11:03:51 AM		VOC		369231.62	369231.62									
592-910760	7/6/2023 11:03:41 AM		VOC		201461.88	201461.88									
592-910760	7/6/2023 11:03:31 AM		VOC		16777.217	16777.217									
592-910760	7/6/2023 11:03:21 AM		VOC		369230.1	369230.1									
592-910760	7/6/2023 11:03:11 AM		VOC		16908.32	16908.32									
592-910760	7/6/2023 11:03:01 AM		VOC		2458978.2	2458978.2									
592-910760	7/6/2023 11:02:51 AM		VOC		17.669	17.669									
592-910760	7/6/2023 11:02:41 AM		VOC												
592-910760	7/6/2023 11:02:31 AM		VOC												
592-910760	7/6/2023 11:02:21 AM		VOC												
592-910760	7/6/2023 11:02:11 AM		VOC												
592-910760	7/6/2023 11:02:01 AM		VOC												
592-910760	7/6/2023 11:01:51 AM		VOC												
592-910760	7/6/2023 11:01:41 AM		VOC												
592-910760	7/6/2023 11:01:31 AM		VOC		0.035	0.035									
592-910760	7/6/2023 11:01:21 AM		VOC		0.079	0.079									
592-910760	7/6/2023 11:01:11 AM		VOC		0.127	0.127									
592-910760	7/6/2023 11:01:01 AM		VOC		0.077	0.077									
592-910760	7/6/2023 11:00:51 AM		VOC		0.056	0.056									
592-910760	7/6/2023 11:00:41 AM		VOC		0.173	0.173									
592-910760	7/6/2023 11:00:31 AM		VOC		0.091	0.091									
592-910760	7/6/2023 11:00:21 AM		VOC		0.111	0.111									
592-910760	7/6/2023 11:00:11 AM		VOC		0.043	0.043									
592-910760	7/6/2023 11:00:01 AM		VOC		0.053	0.053									
592-910760	7/6/2023 10:59:51 AM		VOC		0.064	0.064									
592-910760	7/6/2023 10:59:41 AM		VOC		0.063	0.063									
592-910760	7/6/2023 10:59:31 AM		VOC		0.079	0.079									
592-910760	7/6/2023 10:59:21 AM		VOC		0.057	0.057									
592-910760	7/6/2023 10:59:11 AM		VOC		0.037	0.037									
592-910760	7/6/2023 10:59:01 AM		VOC		0.031	0.031									
592-910760	7/6/2023 10:58:51 AM		VOC		0.032	0.032									
592-910760	7/6/2023 10:58:41 AM		VOC		0.036	0.036									
592-910760	7/6/2023 10:58:31 AM		VOC		0.036	0.036									
592-910760	7/6/2023 10:58:21 AM		VOC		0.036	0.036									
592-910760	7/6/2023 10:58:11 AM		VOC		0.038	0.038									
592-910760	7/6/2023 10:58:01 AM		VOC		0.039	0.039									
592-910760	7/6/2023 10:57:51 AM		VOC		0.039	0.039									
592-910760	7/6/2023 10:57:41 AM		VOC		0.041	0.041									
592-910760	7/6/2023 10:57:31 AM		VOC		0.04	0.04									
592-910760	7/6/2023 10:57:21 AM		VOC		0.041	0.041									
592-910760	7/6/2023 10:57:11 AM		VOC		0.044	0.044									
592-910760	7/6/2023 10:57:01 AM		VOC		0.041	0.041									
592-910760	7/6/2023 10:56:51 AM		VOC		0.042	0.042									
592-910760	7/6/2023 10:56:41 AM		VOC		0.045	0.045									
592-910760	7/6/2023 10:56:31 AM		VOC		0.044	0.044									
592-910760	7/6/2023 10:56:21 AM		VOC		0.048	0.048									
592-910760	7/6/2023 10:56:11 AM		VOC		0.046	0.046									
592-910760	7/6/2023 10:56:01 AM		VOC		0.049	0.049									
592-910760	7/6/2023 10:55:51 AM		VOC		0.049	0.049									
592-910760	7/6/2023 10:55:41 AM		VOC		0.049	0.049									
592-910760	7/6/2023 10:55:31 AM		VOC		0.052	0.052									
592-910760	7/6/2023 10:55:21 AM		VOC		0.052	0.052									
592-910760	7/6/2023 10:55:11 AM		VOC		0.053	0.053									
592-910760	7/6/2023 10:55:01 AM		VOC		0.053	0.053									
592-910760	7/6/2023 10:54:51 AM		VOC		0.053	0.053									
592-910760	7/6/2023 10:54:41 AM		VOC		0.054	0.054									
592-910760	7/6/2023 10:54:31 AM		VOC		0.055	0.055									
592-910760	7/6/2023 10:54:21 AM		VOC		0.054	0.054									
592-910760	7/6/2023 10:54:11 AM		VOC		0.058	0.058									
592-910760	7/6/2023 10:54:01 AM		VOC		0.062	0.062									
592-910760	7/6/2023 10:53:51 AM		VOC		0.059	0.059									
592-910760	7/6/2023 10:53:41 AM		VOC		0.057	0.057									
592-910760	7/6/2023 10:53:31 AM		VOC		0.062	0.062									
592-910760	7/6/2023 10:53:21 AM		VOC		0.064	0.064									
592-910760	7/6/2023 10:53:11 AM		VOC		0.06	0.06									
592-910760	7/6/2023 10:53:01 AM		VOC		0.061	0.061									
592-910760	7/6/2023 10:52:51 AM		VOC		0.061	0.061									
592-910760	7/6/2023 10:52:41 AM		VOC		0.064	0.064									
592-910760	7/6/2023 10:52:31 AM		VOC		0.062	0.062									
592-910760	7/6/2023 10:52:21 AM		VOC		0.063	0.063									
592-910760	7/6/2023 10:52:11 AM		VOC		0.063	0.063									
592-910760	7/6/2023 10:52:01 AM		VOC		0.064	0.064									
592-910760	7/6/2023 10:51:51 AM		VOC		0.063	0.063									
592-910760	7/6/2023 10:51:41 AM		VOC		0.064	0.064									
592-910760	7/6/2023 10:51:31 AM		VOC		0.063	0.063									
592-910760	7/6/2023 10:51:21 AM		VOC		0.061	0.061									
592-910760	7/6/2023 10:51:11 AM		VOC		0.061	0.061									
592-910760	7/6/2023 10:51:01 AM		VOC		0.063	0.063									
592-910760	7/6/2023 10:50:51 AM		VOC		0.061	0.061									
592-910760	7/6/2023 10:50:41 AM		VOC		0.062	0.062									
592-910760	7/6/2023 10:50:31 AM		VOC		0.065	0.065									
592-910760	7/6/2023 10:50:21 AM		VOC		0.06	0.06									
592-910760	7/6/2023 10:50:11 AM		VOC		0.059	0.059									

592-910760	7/6/2023 10:50:01 AM		VOC		0.059	0.059								
592-910760	7/6/2023 10:49:51 AM		VOC		0.06	0.06								
592-910760	7/6/2023 10:49:41 AM		VOC		0.06	0.06								
592-910760	7/6/2023 10:49:31 AM		VOC		0.06	0.06								
592-910760	7/6/2023 10:49:21 AM		VOC		0.06	0.06								
592-910760	7/6/2023 10:49:11 AM		VOC		0.06	0.06								
592-910760	7/6/2023 10:49:01 AM		VOC		0.06	0.06								
592-910760	7/6/2023 10:48:51 AM		VOC		0.059	0.059								
592-910760	7/6/2023 10:48:41 AM		VOC		0.06	0.06								
592-910760	7/6/2023 10:48:31 AM		VOC		0.06	0.06								
592-910760	7/6/2023 10:48:21 AM		VOC		0.059	0.059								
592-910760	7/6/2023 10:48:11 AM		VOC		0.059	0.059								
592-910760	7/6/2023 10:48:01 AM		VOC		0.061	0.061								
592-910760	7/6/2023 10:47:51 AM		VOC		0.061	0.061								
592-910760	7/6/2023 10:47:41 AM		VOC		0.061	0.061								
592-910760	7/6/2023 10:47:31 AM		VOC		0.06	0.06								
592-910760	7/6/2023 10:47:21 AM		VOC		0.053	0.053								
592-910760	7/6/2023 10:47:11 AM		VOC		0.052	0.052								
592-910760	7/6/2023 10:47:01 AM		VOC		0.051	0.051								
592-910760	7/6/2023 10:46:51 AM		VOC		0.052	0.052								
592-910760	7/6/2023 10:46:41 AM		VOC		0.048	0.048								
592-910760	7/6/2023 10:46:31 AM		VOC		0.047	0.047								
592-910760	7/6/2023 10:46:21 AM		VOC		655.406	655.406								
592-910760	7/6/2023 10:46:11 AM		VOC		0.0	0.0								
592-910760	7/6/2023 10:46:01 AM		VOC		1852112.9	1852112.9								
592-910760	7/6/2023 10:45:51 AM		VOC		1954114.6	1954114.6								
592-910760	7/6/2023 10:45:41 AM		VOC		1936679.5	1936679.5								
592-910760	7/6/2023 10:45:31 AM		VOC		2560.073	2560.073								
592-910760	7/6/2023 10:45:21 AM		VOC		6400.0	6400.0								
592-910760	7/6/2023 10:45:11 AM		VOC		512000.0	512000.0								
592-910760	7/6/2023 10:45:01 AM		VOC		51200.0	51200.0								
592-910760	7/6/2023 10:44:51 AM		VOC		25600.0	25600.0								
592-910760	7/6/2023 10:44:41 AM		VOC		25600.0	25600.0								
592-910760	7/6/2023 10:44:31 AM		VOC		386874.12	386874.12								
592-910760	7/6/2023 10:44:21 AM		VOC		831001.4	831001.4								
592-910760	7/6/2023 10:44:11 AM		VOC		1644167.4	1644167.4								
592-910760	7/6/2023 10:44:01 AM		VOC		0.011	0.011								
592-910760	7/6/2023 10:43:51 AM		VOC		0.023	0.023								
592-910760	7/6/2023 10:43:41 AM		VOC		65.55	65.55								
592-910760	7/6/2023 10:43:31 AM		VOC		7345.665	7345.665								
592-910760	7/6/2023 10:43:21 AM		VOC		10.497	10.497								
592-910760	7/6/2023 10:43:11 AM		VOC		1.024	1.024								
592-910760	7/6/2023 10:43:01 AM		VOC		808464.6	808464.6								
592-910760	7/6/2023 10:42:51 AM		VOC		808464.44	808464.44								
592-910760	7/6/2023 10:42:41 AM		VOC		808452.1	808452.1								
592-910760	7/6/2023 10:42:31 AM		VOC		1160786.0	1160786.0								
592-910760	7/6/2023 10:42:21 AM		VOC		3953.217	3953.217								
592-910760	7/6/2023 10:42:11 AM		VOC		101458.98	101458.98								
592-910760	7/6/2023 10:42:01 AM		VOC		923669.25	923669.25								
592-910760	7/6/2023 10:41:51 AM		VOC		319489.56	319489.56								
592-910760	7/6/2023 10:41:41 AM		VOC		2751598.8	2751598.8								
592-910760	7/6/2023 10:41:31 AM		VOC		16777.217	16777.217								
592-910760	7/6/2023 10:41:21 AM		VOC		369230.1	369230.1								
592-910760	7/6/2023 10:41:11 AM		VOC		16908.32	16908.32								
592-910760	7/6/2023 10:41:01 AM		VOC		2458978.2	2458978.2								
592-910760	7/6/2023 10:40:51 AM		VOC		0.545	0.545								
592-910760	7/6/2023 10:40:41 AM		VOC											
592-910760	7/6/2023 10:40:31 AM		VOC											
592-910760	7/6/2023 10:40:21 AM		VOC											
592-910760	7/6/2023 10:40:11 AM		VOC											
592-910760	7/6/2023 10:40:01 AM		VOC											
592-910760	7/6/2023 10:39:51 AM		VOC											
592-910760	7/6/2023 10:39:41 AM		VOC											
592-910760	7/6/2023 10:39:31 AM		VOC											
592-910760	7/6/2023 10:39:21 AM		VOC											
592-910760	7/6/2023 10:39:11 AM		VOC											
592-910760	7/6/2023 10:39:01 AM		VOC											
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592-910760	7/6/2023 10:38:41 AM		VOC											
592-910760	7/6/2023 10:38:31 AM		VOC											
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592-910760	7/6/2023 10:37:41 AM		VOC											
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592-910760	7/6/2023 10:36:41 AM		VOC											
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592-910760	7/6/2023 10:35:11 AM		VOC											
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592-910760	7/6/2023 10:33:41 AM		VOC											
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592-910760	7/6/2023 10:32:41 AM		VOC											
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592-910760	7/6/2023 10:32:01 AM		VOC											
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592-910760	7/6/2023 10:31:41 AM		VOC											
592-910760	7/6/2023 10:31:31 AM		VOC											
592-910760	7/6/2023 10:31:21 AM		VOC											
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592-910760	7/6/2023 10:30:11 AM		VOC											
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592-910760	7/6/2023 10:27:41 AM		VOC											
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592-910760	7/6/2023 10:27:01 AM		VOC											
592-910760	7/6/2023 10:26:51 AM		VOC											
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592-910760	7/6/2023 10:24:41 AM		VOC											
592-910760	7/6/2023 10:24:31 AM		VOC											
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592-910760	7/6/2023 10:23:51 AM		VOC											
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592-910760	7/6/2023 10:21:11 AM		VOC											
592-910760	7/6/2023 10:21:01 AM		VOC											
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592-910760	7/6/2023 10:20:21 AM		VOC											
592-910760	7/6/2023 10:20:11 AM		VOC											
592-910760	7/6/2023 10:20:01 AM		VOC											
592-910760	7/6/2023 10:19:51 AM		VOC											
592-910760	7/6/2023 10:19:41 AM		VOC											
592-910760	7/6/2023 10:19:31 AM		VOC											
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592-910760	7/6/2023 10:19:01 AM		VOC											
592-910760	7/6/2023 10:18:51 AM		VOC											
592-910760	7/6/2023 10:18:41 AM		VOC											
592-910760	7/6/2023 10:18:31 AM		VOC											
592-910760	7/6/2023 10:18:21 AM		VOC											
592-910760	7/6/2023 10:18:11 AM		VOC											
592-910760	7/6/2023 10:18:01 AM		VOC											
592-910760	7/6/2023 10:17:51 AM		VOC											
592-910760	7/6/2023 10:17:41 AM		VOC											
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592-910760	7/6/2023 10:17:21 AM		VOC											
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592-910760	7/6/2023 10:17:01 AM		VOC											
592-910760	7/6/2023 10:16:51 AM		VOC											
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592-910760	7/6/2023 10:16:21 AM		VOC											
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592-910760	7/6/2023 10:15:51 AM		VOC											
592-910760	7/6/2023 10:15:41 AM		VOC											
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592-910760	7/6/2023 7:38:51 AM		VOC										
592-910760	7/6/2023 7:38:41 AM		VOC										
592-910760	7/6/2023 7:38:31 AM		VOC										
592-910760	7/6/2023 7:38:21 AM		VOC										
592-910760	7/6/2023 7:38:11 AM		VOC										
592-910760	7/6/2023 7:38:01 AM		VOC										
592-910760	7/6/2023 7:37:51 AM		VOC										
592-910760	7/6/2023 7:37:41 AM		VOC										
592-910760	7/6/2023 7:37:31 AM		VOC										
592-910760	7/6/2023 7:37:21 AM		VOC										
592-910760	7/6/2023 7:37:11 AM		VOC										
592-910760	7/6/2023 7:37:01 AM		VOC										
592-910760	7/6/2023 7:36:51 AM		VOC										
592-910760	7/6/2023 7:36:41 AM		VOC										
592-910760	7/6/2023 7:36:31 AM		VOC										
592-910760	7/6/2023 7:36:21 AM		VOC										
592-910760	7/6/2023 7:36:11 AM		VOC										
592-910760	7/6/2023 7:36:01 AM		VOC										
592-910760	7/6/2023 7:35:51 AM		VOC										
592-910760	7/6/2023 7:35:41 AM		VOC										
592-910760	7/6/2023 7:35:31 AM		VOC										
592-910760	7/6/2023 7:35:21 AM		VOC										
592-910760	7/6/2023 7:35:11 AM		VOC										
592-910760	7/6/2023 7:35:01 AM		VOC										
592-910760	7/6/2023 7:34:51 AM		VOC										
592-910760	7/6/2023 7:34:41 AM		VOC										
592-910760	7/6/2023 7:34:31 AM		VOC										
592-910760	7/6/2023 7:34:21 AM		VOC										
592-910760	7/6/2023 7:34:11 AM		VOC										
592-910760	7/6/2023 7:34:01 AM		VOC										
592-910760	7/6/2023 7:33:51 AM		VOC										
592-910760	7/6/2023 7:33:41 AM		VOC										
592-910760	7/6/2023 7:33:31 AM		VOC										
592-910760	7/6/2023 7:33:21 AM		VOC										
592-910760	7/6/2023 7:33:11 AM		VOC										
592-910760	7/6/2023 7:33:01 AM		VOC										
592-910760	7/6/2023 7:32:51 AM		VOC										
592-910760	7/6/2023 7:32:41 AM		VOC										
592-910760	7/6/2023 7:32:31 AM		VOC										
592-910760	7/6/2023 7:32:21 AM		VOC										
592-910760	7/6/2023 7:32:11 AM		VOC										
592-910760	7/6/2023 7:32:01 AM		VOC										
592-910760	7/6/2023 7:31:51 AM		VOC										
592-910760	7/6/2023 7:31:41 AM		VOC										
592-910760	7/6/2023 7:31:31 AM		VOC										
592-910760	7/6/2023 7:31:21 AM		VOC										
592-910760	7/6/2023 7:31:11 AM		VOC										
592-910760	7/6/2023 7:31:01 AM		VOC										
592-910760	7/6/2023 7:30:51 AM		VOC										
592-910760	7/6/2023 7:30:41 AM		VOC										
592-910760	7/6/2023 7:30:31 AM		VOC										
592-910760	7/6/2023 7:30:21 AM		VOC										
592-910760	7/6/2023 7:30:11 AM		VOC										
592-910760	7/6/2023 7:30:01 AM		VOC										
592-910760	7/6/2023 7:29:51 AM		VOC										
592-910760	7/6/2023 7:29:41 AM		VOC										
592-910760	7/6/2023 7:29:31 AM		VOC										
592-910760	7/6/2023 7:29:21 AM		VOC										
592-910760	7/6/2023 7:29:11 AM		VOC										
592-910760	7/6/2023 7:29:01 AM		VOC										
592-910760	7/6/2023 7:28:51 AM		VOC										
592-910760	7/6/2023 7:28:41 AM		VOC										
592-910760	7/6/2023 7:28:31 AM		VOC										
592-910760	7/6/2023 7:28:21 AM		VOC		720.895	720.895							
592-910760	7/6/2023 7:28:11 AM		VOC		0.0	0.0							

592-910760	7/6/2023 7:28:01 AM		VOC		1852112.9	1852112.9								
592-910760	7/6/2023 7:27:51 AM		VOC		1954114.6	1954114.6								
592-910760	7/6/2023 7:27:41 AM		VOC		1936679.5	1936679.5								
592-910760	7/6/2023 7:27:31 AM		VOC		2560.073	2560.073								
592-910760	7/6/2023 7:27:21 AM		VOC		6400.0	6400.0								
592-910760	7/6/2023 7:27:11 AM		VOC		512000.0	512000.0								
592-910760	7/6/2023 7:27:01 AM		VOC		51200.0	51200.0								
592-910760	7/6/2023 7:26:51 AM		VOC		25600.0	25600.0								
592-910760	7/6/2023 7:26:41 AM		VOC		25600.0	25600.0								
592-910760	7/6/2023 7:26:31 AM		VOC		202121.73	202121.73								
592-910760	7/6/2023 7:26:21 AM		VOC		831001.9	831001.9								
592-910760	7/6/2023 7:26:11 AM		VOC		1644167.4	1644167.4								
592-910760	7/6/2023 7:26:01 AM		VOC		16777.215	16777.215								
592-910760	7/6/2023 7:25:51 AM		VOC											
592-910760	7/6/2023 7:25:41 AM		VOC		65.791	65.791								
592-910760	7/6/2023 7:25:31 AM		VOC		14680.833	14680.833								
592-910760	7/6/2023 7:25:21 AM		VOC		0.001	0.001								
592-910760	7/6/2023 7:25:11 AM		VOC		1.024	1.024								
592-910760	7/6/2023 7:25:01 AM		VOC		808464.6	808464.6								
592-910760	7/6/2023 7:24:51 AM		VOC		808464.44	808464.44								
592-910760	7/6/2023 7:24:41 AM		VOC		808452.1	808452.1								
592-910760	7/6/2023 7:24:31 AM		VOC		1160786.0	1160786.0								
592-910760	7/6/2023 7:24:21 AM		VOC		3953.217	3953.217								
592-910760	7/6/2023 7:24:11 AM		VOC		252983.08	252983.08								
592-910760	7/6/2023 7:24:01 AM		VOC		923735.3	923735.3								
592-910760	7/6/2023 7:23:51 AM		VOC		353111.8	353111.8								
592-910760	7/6/2023 7:23:41 AM		VOC		135.281	135.281								
592-910760	7/6/2023 7:23:31 AM		VOC		16777.217	16777.217								
592-910760	7/6/2023 7:23:21 AM		VOC		369230.1	369230.1								
592-910760	7/6/2023 7:23:11 AM		VOC		16908.32	16908.32								
592-910760	7/6/2023 7:23:01 AM		VOC		2458978.2	2458978.2								
592-910760	7/6/2023 7:22:51 AM		VOC		17.669	17.669								
592-910760	7/6/2023 7:22:41 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:22:31 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:22:21 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:22:11 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:22:01 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:21:51 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:21:41 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:21:31 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:21:21 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:21:11 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:21:01 AM		VOC		0.001	0.001								
592-910760	7/6/2023 7:20:51 AM		VOC		0.015	0.015								
592-910760	7/6/2023 7:20:41 AM		VOC		0.047	0.047								
592-910760	7/6/2023 7:20:31 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:20:21 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:20:11 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:20:01 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:19:51 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:19:41 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:19:31 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:19:21 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:19:11 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:19:01 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:18:51 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:18:41 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:18:31 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:18:21 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:18:11 AM		VOC		0.001	0.001								
592-910760	7/6/2023 7:18:01 AM		VOC		0.002	0.002								
592-910760	7/6/2023 7:17:51 AM		VOC		0.007	0.007								
592-910760	7/6/2023 7:17:41 AM		VOC		0.007	0.007								
592-910760	7/6/2023 7:17:31 AM		VOC		0.009	0.009								
592-910760	7/6/2023 7:17:21 AM		VOC		0.013	0.013								
592-910760	7/6/2023 7:17:11 AM		VOC		0.016	0.016								
592-910760	7/6/2023 7:17:01 AM		VOC		0.018	0.018								
592-910760	7/6/2023 7:16:51 AM		VOC		0.024	0.024								
592-910760	7/6/2023 7:16:41 AM		VOC		0.028	0.028								
592-910760	7/6/2023 7:16:31 AM		VOC		0.031	0.031								
592-910760	7/6/2023 7:16:21 AM		VOC		0.034	0.034								
592-910760	7/6/2023 7:16:11 AM		VOC		0.039	0.039								
592-910760	7/6/2023 7:16:01 AM		VOC		0.045	0.045								
592-910760	7/6/2023 7:15:51 AM		VOC		0.051	0.051								
592-910760	7/6/2023 7:15:41 AM		VOC		0.055	0.055								
592-910760	7/6/2023 7:15:31 AM		VOC		0.061	0.061								
592-910760	7/6/2023 7:15:21 AM		VOC		0.069	0.069								
592-910760	7/6/2023 7:15:11 AM		VOC		0.074	0.074								
592-910760	7/6/2023 7:15:01 AM		VOC		0.082	0.082								
592-910760	7/6/2023 7:14:51 AM		VOC		0.088	0.088								
592-910760	7/6/2023 7:14:41 AM		VOC		0.095	0.095								
592-910760	7/6/2023 7:14:31 AM		VOC		0.102	0.102								
592-910760	7/6/2023 7:14:21 AM		VOC		0.107	0.107								
592-910760	7/6/2023 7:14:11 AM		VOC		0.112	0.112								
592-910760	7/6/2023 7:14:01 AM		VOC		0.119	0.119								
592-910760	7/6/2023 7:13:51 AM		VOC		0.127	0.127								
592-910760	7/6/2023 7:13:41 AM		VOC		0.145	0.145								
592-910760	7/6/2023 7:13:31 AM		VOC		0.164	0.164								
592-910760	7/6/2023 7:13:21 AM		VOC		0.164	0.164								
592-910760	7/6/2023 7:13:11 AM		VOC		0.181	0.181								
592-910760	7/6/2023 7:13:01 AM		VOC		0.19	0.19								
592-910760	7/6/2023 7:12:51 AM		VOC		0.195	0.195								
592-910760	7/6/2023 7:12:41 AM		VOC		0.198	0.198								
592-910760	7/6/2023 7:12:31 AM		VOC		0.193	0.193								
592-910760	7/6/2023 7:12:21 AM		VOC		0.18	0.18								
592-910760	7/6/2023 7:12:11 AM		VOC		0.172	0.172								
592-910760	7/6/2023 7:12:01 AM		VOC		0.04	0.04								
592-910760	7/6/2023 7:11:51 AM		VOC		0.001	0.001								
592-910760	7/6/2023 7:11:41 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:11:31 AM		VOC		0.0	0.0								
592-910760	7/6/2023 7:11:21 AM		VOC		0.0	0.0								

592-910760	7/6/2023 7:11:11 AM		VOC		0.0	0.0							
592-910760	7/6/2023 7:11:01 AM		VOC		0.0	0.0							
592-910760	7/6/2023 7:10:51 AM		VOC		0.0	0.0							
592-910760	7/6/2023 7:10:41 AM		VOC		0.0	0.0							
592-910760	7/6/2023 7:10:31 AM		VOC		0.0	0.0							
592-910760	7/6/2023 7:10:21 AM		VOC		0.0	0.0							
592-910760	7/6/2023 7:10:11 AM		VOC		0.0	0.0							
592-910760	7/6/2023 7:10:01 AM		VOC		0.0	0.0							
592-910760	7/6/2023 7:09:51 AM		VOC		0.0	0.0							
592-910760	7/6/2023 7:09:41 AM		VOC		0.002	0.002							
592-910760	7/6/2023 7:09:31 AM		VOC		0.004	0.004							
592-910760	7/6/2023 7:09:21 AM		VOC		0.006	0.006							
592-910760	7/6/2023 7:09:11 AM		VOC		0.018	0.018							
592-910760	7/6/2023 7:09:01 AM		VOC		0.021	0.021							
592-910760	7/6/2023 7:08:51 AM		VOC		0.037	0.037							
592-910760	7/6/2023 7:08:41 AM		VOC		0.047	0.047							
592-910760	7/6/2023 7:08:31 AM		VOC		0.05	0.05							
592-910760	7/6/2023 7:08:21 AM		VOC		0.086	0.086							
592-910760	7/6/2023 7:08:11 AM		VOC		0.115	0.115							
592-910760	7/6/2023 7:08:01 AM		VOC		0.154	0.154							
592-910760	7/6/2023 7:07:51 AM		VOC		0.1	0.1							
592-910760	7/6/2023 7:07:41 AM		VOC		0.098	0.098							
592-910760	7/6/2023 7:07:31 AM		VOC		0.106	0.106							
592-910760	7/6/2023 7:07:21 AM		VOC		0.134	0.134							
592-910760	7/6/2023 7:07:11 AM		VOC		0.217	0.217							
592-910760	7/6/2023 7:07:01 AM		VOC		0.242	0.242							
592-910760	7/6/2023 7:06:51 AM		VOC		0.187	0.187							
592-910760	7/6/2023 7:06:41 AM		VOC		0.186	0.186							
592-910760	7/6/2023 7:06:31 AM		VOC		0.236	0.236							
592-910760	7/6/2023 7:06:21 AM		VOC		0.207	0.207							
592-910760	7/6/2023 7:06:11 AM		VOC		0.237	0.237							
592-910760	7/6/2023 7:06:01 AM		VOC		0.283	0.283							
592-910760	7/6/2023 7:05:51 AM		VOC		0.381	0.381							
592-910760	7/6/2023 7:05:41 AM		VOC		0.278	0.278							
592-910760	7/6/2023 7:05:31 AM		VOC		0.282	0.282							
592-910760	7/6/2023 7:05:21 AM		VOC		0.27	0.27							
592-910760	7/6/2023 7:05:11 AM		VOC		0.315	0.315							
592-910760	7/6/2023 7:05:01 AM		VOC		0.302	0.302							
592-910760	7/6/2023 7:04:51 AM		VOC		0.276	0.276							
592-910760	7/6/2023 7:04:41 AM		VOC		0.289	0.289							
592-910760	7/6/2023 7:04:31 AM		VOC		0.318	0.318							
592-910760	7/6/2023 7:04:21 AM		VOC		0.343	0.343							
592-910760	7/6/2023 7:04:11 AM		VOC		0.352	0.352							
592-910760	7/6/2023 7:04:01 AM		VOC		0.382	0.382							
592-910760	7/6/2023 7:03:51 AM		VOC		0.408	0.408							
592-910760	7/6/2023 7:03:41 AM		VOC		0.425	0.425							
592-910760	7/6/2023 7:03:31 AM		VOC		0.458	0.458							
592-910760	7/6/2023 7:03:21 AM		VOC		0.515	0.515							
592-910760	7/6/2023 7:03:11 AM		VOC		0.528	0.528							
592-910760	7/6/2023 7:03:01 AM		VOC		0.526	0.526							
592-910760	7/6/2023 7:02:51 AM		VOC		0.549	0.549							
592-910760	7/6/2023 7:02:41 AM		VOC		0.567	0.567							
592-910760	7/6/2023 7:02:31 AM		VOC		0.56	0.56							
592-910760	7/6/2023 7:02:21 AM		VOC		0.53	0.53							
592-910760	7/6/2023 7:02:11 AM		VOC		0.476	0.476							
592-910760	7/6/2023 7:02:01 AM		VOC		0.46	0.46							
592-910760	7/6/2023 7:01:51 AM		VOC		0.452	0.452							
592-910760	7/6/2023 7:01:41 AM		VOC		0.461	0.461							
592-910760	7/6/2023 7:01:31 AM		VOC		0.438	0.438							
592-910760	7/6/2023 7:01:21 AM		VOC		0.428	0.428							
592-910760	7/6/2023 7:01:11 AM		VOC		0.41	0.41							
592-910760	7/6/2023 7:01:01 AM		VOC		0.445	0.445							
592-910760	7/6/2023 7:00:51 AM		VOC		0.524	0.524							
592-910760	7/6/2023 7:00:41 AM	10	VOC	ppm			100.0	200.0	100.0	2863	7/6/2023 7:00:41 AM	7/6/2023 2:57:51 PM	V1.20

F2

MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
Down Wind Dust Data
July 22, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151508
Firmware Version	3.1
Calibration Date	9/6/2022
Test Name	MANUAL_001
Test Start Time	8:38:12 AM
Test Start Date	7/22/2023
Test Length [D:H:M]	0:00:07
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.011
Mass Minimum [mg/m3]	0.009
Mass Maximum [mg/m3]	0.019
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	7

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.01		
120	0.009		
180	0.009		
240	0.009		
300	0.013		
360	0.011		
420	0.019		1

MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY

Up Wind Dust Data

July 22, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530113202
Firmware Version	3.1
Calibration Date	6/16/2023
Test Name	MANUAL_001
Test Start Time	6:32:48 AM
Test Start Date	7/22/2023
Test Length [D:H:M]	0:04:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.111
Mass Minimum [mg/m3]	-0.042
Mass Maximum [mg/m3]	0.712
Mass TWA [mg/m3]	0.063
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	18

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.712		
1800	0.529		
2700	0.072		
3600	0.091		
4500	0.113		
5400	0.061		
6300	0.016		
7200	0.063		
8100	0.053		
9000	0.076		
9900	0.082		
10800	0.09		
11700	0.116		
12600	0.046		
13500	-0.007		
14400	-0.027		
15300	-0.038		
16200	-0.042		

Device Serial No	Log Time	Log Type	Log Interval	Sensor 1 Type	Sensor 1 Display Unit	Sensor 1 Serial Number	Sensor 1 Status	Sensor 1 Gas Reading	Sensor 1 Average Reading	Sensor 1 Span Setpoint	Sensor 1 Span2 Setpoint	Sensor 1 High Alarm	Sensor 1 Low Alarm	Sensor 1 STEL Alarm	Sensor 1 TWA Alarm	Session Start Time	Session Stop Time	Firmware Version
592-600822	7/22/2023 11:43:45 AM	Readings		PID		SC23030303A9	Normal	0.2	0.2									
592-600822	7/22/2023 11:28:45 AM	Readings		PID		SC23030303A9	Normal	0.2	0.2									
592-600822	7/22/2023 11:13:45 AM	Readings		PID		SC23030303A9	Normal	0.3	0.3									
592-600822	7/22/2023 10:58:45 AM	Readings		PID		SC23030303A9	Normal	0.3	0.3									
592-600822	7/22/2023 10:43:45 AM	Readings		PID		SC23030303A9	Normal	0.3	0.3									
592-600822	7/22/2023 10:28:45 AM	Readings		PID		SC23030303A9	Normal	0.3	0.3									
592-600822	7/22/2023 10:13:45 AM	Readings		PID		SC23030303A9	Normal	0.3	0.3									
592-600822	7/22/2023 9:58:45 AM	Readings		PID		SC23030303A9	Normal	0.3	0.3									
592-600822	7/22/2023 9:43:45 AM	Readings		PID		SC23030303A9	Normal	0.3	0.3									
592-600822	7/22/2023 9:28:45 AM	Readings		PID		SC23030303A9	Normal	0.2	0.2									
592-600822	7/22/2023 9:13:45 AM	Readings		PID		SC23030303A9	Normal	0.2	0.2									
592-600822	7/22/2023 8:58:45 AM	Readings		PID		SC23030303A9	Normal	0.2	0.2									
592-600822	7/22/2023 8:43:45 AM	Readings		PID		SC23030303A9	Normal	0.1	0.1									
592-600822	7/22/2023 8:28:45 AM	Readings		PID		SC23030303A9	Normal	0.1	0.1									
592-600822	7/22/2023 8:13:45 AM	Readings		PID		SC23030303A9	Normal	0.1	0.1									
592-600822	7/22/2023 7:58:45 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	7/22/2023 7:43:45 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	7/22/2023 7:28:45 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	7/22/2023 7:13:45 AM	Readings		PID		SC23030303A9	Normal	0.1	0.1									
592-600822	7/22/2023 6:58:45 AM	CONFIG	900	PID	ppm	SC23030303A9				100.0	1000.0	100.0	25.0	100.0	50.0	7/22/2023 6:58:45 AM	7/22/2023 11:43:45 AM	V2.22A

Device Serial No	Log Time	Log Type	Log Interval	Sensor 1 Type	Sensor 1 Display Unit	Sensor 1 Status	Sensor 1 Gas Reading	Sensor 1 Average Reading	Sensor 1 Span Setpoint	Sensor 1 High Alarm	Sensor 1 Low Alarm	Record Number	Session Start Time	Session Stop Time	Firmware Version
592-910760	7/22/2023 11:53:13 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:53:03 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:52:53 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:52:43 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:52:33 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:52:23 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:52:13 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:52:03 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:51:53 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:51:43 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:51:33 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:51:23 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:51:13 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:51:03 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:50:53 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:50:43 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:50:33 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:50:23 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:50:13 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:50:03 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:49:53 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:49:43 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:49:33 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:49:23 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:49:13 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:49:03 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:48:53 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:48:43 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:48:33 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:48:23 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:48:13 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:48:03 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:47:53 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:47:43 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:47:33 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:47:23 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:47:13 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:47:03 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:46:53 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:46:43 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:46:33 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:46:23 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:46:13 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:46:03 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:45:53 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:45:43 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:45:33 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:45:23 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:45:13 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:45:03 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:44:53 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:44:43 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:44:33 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:44:23 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:44:13 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:44:03 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:43:53 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:43:43 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:43:33 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:43:23 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:43:13 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:43:03 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:42:53 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:42:43 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:42:33 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:42:23 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:42:13 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:42:03 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:41:53 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:41:43 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:41:33 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:41:23 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:41:13 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:41:03 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:40:53 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:40:43 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:40:33 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:40:23 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:40:13 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:40:03 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:39:53 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:39:43 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:39:33 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:39:23 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:39:13 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:39:03 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:38:53 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:38:43 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:38:33 AM	Readings		VOC		Normal	0.0	0.0							
592-910760	7/22/2023 11:38:23 AM	Readings		VOC		Normal	0.0	0.0							

592-910760	7/22/2023 11:38:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:38:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:37:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:37:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:37:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:37:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:37:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:37:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:36:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:36:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:36:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:36:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:36:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:36:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:35:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:35:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:35:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:35:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:35:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:35:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:34:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:34:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:34:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:34:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:34:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:34:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:33:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:33:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:33:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:33:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:33:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:33:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:32:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:32:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:32:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:32:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:32:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:32:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:31:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:31:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:31:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:31:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:31:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:31:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:30:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:30:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:30:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:30:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:30:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:30:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:29:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:29:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:29:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:29:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:29:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:29:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:28:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:28:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:28:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:28:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:28:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:28:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:27:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:27:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:27:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:27:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:27:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:27:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:26:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:26:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:26:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:26:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:26:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:26:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:25:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:25:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:25:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:25:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:25:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:25:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:24:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:24:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:24:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:24:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:24:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:24:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:23:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:23:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:23:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:23:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:23:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:23:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:22:53 AM	Readings		VOC		Normal	0.0	0.0									

592-910760	7/22/2023 11:22:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:22:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:22:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:22:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:22:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:21:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:21:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:21:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:21:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:21:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:21:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:20:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:20:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:20:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:20:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:20:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:20:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:19:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:19:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:19:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:19:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:19:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:19:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:18:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:18:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:18:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:18:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:18:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:18:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:17:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:17:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:17:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:17:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:17:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:17:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:16:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:16:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:16:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:16:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:16:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:16:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:15:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:15:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:15:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:15:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:15:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:15:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:14:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:14:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:14:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:14:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:14:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:14:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:13:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:13:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:13:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:13:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:13:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:13:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:12:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:12:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:12:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:12:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:12:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:12:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:11:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:11:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:11:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:11:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:11:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:11:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:10:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:10:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:10:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:10:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:10:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:10:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:09:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:09:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:09:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:09:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:09:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:09:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:08:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:08:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:08:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:08:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:08:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:08:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:07:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:07:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:07:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:07:23 AM	Readings		VOC		Normal	0.0	0.0									

592-910760	7/22/2023 11:07:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:07:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:06:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:06:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:06:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:06:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:06:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:06:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:05:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:05:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:05:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:05:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:05:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:05:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:04:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:04:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:04:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:04:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:04:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:04:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:03:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:03:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:03:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:03:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:03:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:03:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:02:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:02:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:02:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:02:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:02:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:02:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:01:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:01:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:01:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:01:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:01:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:01:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:00:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:00:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:00:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:00:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:00:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 11:00:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:59:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:59:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:59:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:59:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:59:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:59:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:58:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:58:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:58:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:58:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:58:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:58:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:57:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:57:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:57:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:57:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:57:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:57:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:56:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:56:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:56:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:56:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:56:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:56:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:55:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:55:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:55:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:55:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:55:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:55:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:54:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:54:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:54:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:54:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:54:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:54:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:53:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:53:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:53:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:53:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:53:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:53:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:52:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:52:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:52:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:52:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:52:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:52:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:51:53 AM	Readings		VOC		Normal	0.0	0.0									

592-910760	7/22/2023 10:51:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:51:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:51:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:51:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:51:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:50:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:50:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:50:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:50:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:50:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:50:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:49:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:49:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:49:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:49:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:49:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:49:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:48:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:48:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:48:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:48:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:48:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:48:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:47:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:47:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:47:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:47:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:47:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:47:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:46:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:46:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:46:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:46:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:46:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:46:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:45:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:45:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:45:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:45:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:45:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:45:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:44:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:44:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:44:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:44:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:44:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:44:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:43:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:43:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:43:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:43:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:43:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:43:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:42:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:42:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:42:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:42:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:42:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:42:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:41:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:41:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:41:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:41:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:41:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:41:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:40:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:40:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:40:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:40:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:40:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:40:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:39:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:39:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:39:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:39:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:39:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:39:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:38:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:38:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:38:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:38:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:38:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:38:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:37:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:37:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:37:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:37:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:37:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:37:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:36:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:36:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:36:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:36:23 AM	Readings		VOC		Normal	0.0	0.0									

592-910760	7/22/2023 10:36:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:36:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:35:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:35:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:35:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:35:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:35:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:35:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:34:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:34:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:34:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:34:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:34:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:34:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:33:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:33:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:33:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:33:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:33:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:33:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:32:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:32:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:32:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:32:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:32:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:32:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:31:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:31:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:31:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:31:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:31:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:31:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:30:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:30:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:30:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:30:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:30:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:30:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:29:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:29:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:29:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:29:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:29:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:29:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:28:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:28:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:28:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:28:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:28:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:28:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:27:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:27:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:27:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:27:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:27:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:27:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:26:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:26:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:26:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:26:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:26:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:26:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:25:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:25:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:25:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:25:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:25:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:25:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:24:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:24:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:24:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:24:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:24:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:24:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:23:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:23:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:23:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:23:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:23:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:23:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:22:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:22:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:22:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:22:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:22:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:22:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:21:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:21:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:21:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:21:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:21:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:21:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:20:53 AM	Readings		VOC		Normal	0.0	0.0									

592-910760	7/22/2023 10:20:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:20:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:20:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:20:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:20:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:19:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:19:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:19:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:19:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:19:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:19:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:18:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:18:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:18:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:18:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:18:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:18:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:17:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:17:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:17:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:17:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:17:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:17:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:16:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:16:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:16:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:16:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:16:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:16:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:15:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:15:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:15:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:15:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:15:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:15:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:14:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:14:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:14:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:14:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:14:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:14:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:13:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:13:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:13:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:13:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:13:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:13:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:12:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:12:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:12:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:12:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:12:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:12:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:11:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:11:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:11:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:11:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:11:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:11:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:10:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:10:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:10:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:10:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:10:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:10:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:09:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:09:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:09:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:09:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:09:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:09:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:08:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:08:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:08:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:08:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:08:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:08:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:07:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:07:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:07:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:07:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:07:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:07:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:06:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:06:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:06:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:06:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:06:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:06:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:05:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:05:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:05:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:05:23 AM	Readings		VOC		Normal	0.0	0.0									

592-910760	7/22/2023 10:05:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:05:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:04:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:04:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:04:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:04:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:04:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:04:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:03:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:03:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:03:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:03:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:03:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:03:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:02:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:02:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:02:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:02:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:02:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:02:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:01:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:01:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:01:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:01:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:01:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:01:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:00:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:00:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:00:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:00:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:00:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 10:00:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:59:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:59:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:59:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:59:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:59:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:59:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:58:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:58:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:58:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:58:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:58:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:58:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:57:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:57:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:57:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:57:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:57:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:57:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:56:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:56:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:56:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:56:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:56:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:56:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:55:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:55:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:55:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:55:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:55:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:55:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:54:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:54:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:54:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:54:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:54:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:54:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:53:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:53:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:53:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:53:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:53:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:53:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:52:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:52:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:52:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:52:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:52:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:52:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:51:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:51:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:51:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:51:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:51:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:51:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:50:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:50:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:50:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:50:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:50:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:50:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:49:53 AM	Readings		VOC		Normal	0.0	0.0									

592-910760	7/22/2023 9:49:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:49:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:49:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:49:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:49:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:48:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:48:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:48:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:48:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:48:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:48:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:47:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:47:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:47:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:47:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:47:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:47:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:46:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:46:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:46:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:46:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:46:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:46:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:45:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:45:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:45:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:45:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:45:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:45:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:44:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:44:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:44:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:44:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:44:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:44:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:43:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:43:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:43:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:43:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:43:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:43:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:42:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:42:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:42:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:42:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:42:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:42:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:41:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:41:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:41:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:41:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:41:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:41:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:40:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:40:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:40:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:40:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:40:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:40:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:39:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:39:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:39:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:39:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:39:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:39:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:38:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:38:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:38:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:38:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:38:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:38:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:37:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:37:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:37:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:37:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:37:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:37:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:36:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:36:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:36:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:36:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:36:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:36:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:35:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:35:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:35:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:35:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:35:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:35:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:34:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:34:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:34:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:34:23 AM	Readings		VOC		Normal	0.0	0.0									

592-910760	7/22/2023 9:34:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:34:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:33:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:33:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:33:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:33:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:33:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:33:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:32:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:32:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:32:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:32:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:32:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:32:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:31:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:31:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:31:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:31:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:31:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:31:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:30:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:30:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:30:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:30:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:30:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:30:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:29:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:29:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:29:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:29:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:29:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:29:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:28:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:28:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:28:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:28:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:28:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:28:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:27:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:27:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:27:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:27:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:27:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:27:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:26:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:26:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:26:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:26:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:26:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:26:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:25:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:25:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:25:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:25:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:25:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:25:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:24:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:24:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:24:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:24:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:24:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:24:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:23:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:23:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:23:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:23:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:23:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:23:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:22:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:22:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:22:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:22:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:22:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:22:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:21:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:21:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:21:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:21:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:21:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:21:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:20:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:20:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:20:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:20:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:20:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:20:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:19:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:19:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:19:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:19:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:19:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:19:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:18:53 AM	Readings		VOC		Normal	0.0	0.0									

592-910760	7/22/2023 9:18:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:18:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:18:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:18:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:18:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:17:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:17:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:17:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:17:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:17:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:17:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:16:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:16:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:16:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:16:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:16:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:16:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:15:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:15:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:15:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:15:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:15:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:15:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:14:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:14:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:14:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:14:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:14:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:14:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:13:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:13:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:13:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:13:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:13:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:13:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:12:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:12:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:12:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:12:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:12:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:12:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:11:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:11:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:11:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:11:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:11:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:11:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:10:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:10:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:10:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:10:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:10:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:10:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:09:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:09:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:09:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:09:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:09:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:09:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:08:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:08:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:08:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:08:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:08:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:08:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:07:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:07:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:07:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:07:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:07:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:07:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:06:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:06:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:06:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:06:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:06:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:06:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:05:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:05:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:05:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:05:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:05:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:05:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:04:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:04:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:04:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:04:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:04:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:04:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:03:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:03:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:03:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:03:23 AM	Readings		VOC		Normal	0.0	0.0									

592-910760	7/22/2023 9:03:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:03:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:02:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:02:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:02:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:02:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:02:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:02:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:01:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:01:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:01:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:01:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:01:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:01:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:00:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:00:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:00:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:00:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:00:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 9:00:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:59:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:59:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:59:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:59:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:59:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:59:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:58:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:58:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:58:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:58:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:58:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:58:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:57:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:57:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:57:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:57:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:57:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:57:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:56:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:56:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:56:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:56:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:56:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:56:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:55:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:55:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:55:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:55:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:55:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:55:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:54:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:54:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:54:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:54:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:54:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:54:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:53:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:53:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:53:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:53:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:53:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:53:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:52:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:52:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:52:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:52:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:52:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:52:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:51:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:51:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:51:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:51:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:51:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:51:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:50:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:50:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:50:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:50:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:50:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:50:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:49:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:49:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:49:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:49:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:49:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:49:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:48:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:48:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:48:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:48:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:48:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:48:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:47:53 AM	Readings		VOC		Normal	0.0	0.0									

592-910760	7/22/2023 8:47:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:47:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:47:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:47:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:47:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:46:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:46:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:46:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:46:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:46:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:46:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:45:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:45:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:45:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:45:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:45:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:45:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:44:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:44:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:44:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:44:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:44:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:44:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:43:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:43:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:43:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:43:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:43:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:43:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:42:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:42:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:42:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:42:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:42:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:42:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:41:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:41:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:41:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:41:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:41:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:41:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:40:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:40:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:40:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:40:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:40:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:40:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:39:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:39:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:39:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:39:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:39:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:39:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:38:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:38:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:38:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:38:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:38:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:38:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:37:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:37:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:37:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:37:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:37:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:37:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:36:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:36:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:36:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:36:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:36:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:36:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:35:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:35:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:35:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:35:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:35:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:35:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:34:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:34:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:34:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:34:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:34:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:34:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:33:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:33:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:33:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:33:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:33:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:33:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:32:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:32:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:32:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:32:23 AM	Readings		VOC		Normal	0.0	0.0									

592-910760	7/22/2023 8:32:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:32:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:31:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:31:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:31:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:31:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:31:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:31:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:30:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:30:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:30:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:30:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:30:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:30:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:29:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:29:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:29:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:29:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:29:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:29:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:28:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:28:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:28:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:28:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:28:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:28:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:27:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:27:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:27:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:27:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:27:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:27:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:26:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:26:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:26:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:26:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:26:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:26:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:25:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:25:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:25:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:25:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:25:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:25:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:24:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:24:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:24:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:24:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:24:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:24:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:23:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:23:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:23:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:23:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:23:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:23:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:22:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:22:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:22:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:22:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:22:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:22:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:21:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:21:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:21:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:21:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:21:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:21:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:20:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:20:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:20:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:20:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:20:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:20:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:19:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:19:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:19:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:19:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:19:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:19:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:18:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:18:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:18:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:18:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:18:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:18:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:17:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:17:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:17:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:17:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:17:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:17:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:16:53 AM	Readings		VOC		Normal	0.0	0.0									

592-910760	7/22/2023 8:16:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:16:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:16:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:16:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:16:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:15:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:15:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:15:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:15:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:15:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:15:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:14:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:14:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:14:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:14:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:14:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:14:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:13:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:13:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:13:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:13:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:13:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:13:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:12:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:12:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:12:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:12:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:12:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:12:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:11:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:11:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:11:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:11:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:11:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:11:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:10:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:10:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:10:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:10:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:10:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:10:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:09:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:09:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:09:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:09:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:09:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:09:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:08:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:08:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:08:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:08:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:08:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:08:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:07:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:07:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:07:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:07:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:07:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:07:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:06:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:06:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:06:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:06:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:06:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:06:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:05:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:05:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:05:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:05:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:05:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:05:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:04:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:04:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:04:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:04:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:04:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:04:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:03:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:03:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:03:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:03:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:03:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:03:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:02:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:02:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:02:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:02:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:02:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:02:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:01:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:01:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:01:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 8:01:23 AM	Readings		VOC		Normal	0.0	0.0									

592-910760	7/22/2023 8:01:13 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 8:01:03 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 8:00:53 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 8:00:43 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 8:00:33 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 8:00:23 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 8:00:13 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 8:00:03 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:59:53 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:59:43 AM	Readings		VOC		Normal	0.016	0.016								
592-910760	7/22/2023 7:59:33 AM	Readings		VOC		Normal	0.015	0.015								
592-910760	7/22/2023 7:59:23 AM	Readings		VOC		Normal	0.014	0.014								
592-910760	7/22/2023 7:59:13 AM	Readings		VOC		Normal	0.009	0.009								
592-910760	7/22/2023 7:59:03 AM	Readings		VOC		Normal	0.012	0.012								
592-910760	7/22/2023 7:58:53 AM	Readings		VOC		Normal	0.016	0.016								
592-910760	7/22/2023 7:58:43 AM	Readings		VOC		Normal	0.023	0.023								
592-910760	7/22/2023 7:58:33 AM	Readings		VOC		Normal	0.023	0.023								
592-910760	7/22/2023 7:58:23 AM	Readings		VOC		Normal	0.013	0.013								
592-910760	7/22/2023 7:58:13 AM	Readings		VOC		Normal	0.005	0.005								
592-910760	7/22/2023 7:58:03 AM	Readings		VOC		Normal	0.001	0.001								
592-910760	7/22/2023 7:57:53 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:57:43 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:57:33 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:57:23 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:57:13 AM	Readings		VOC		Normal	0.003	0.003								
592-910760	7/22/2023 7:57:03 AM	Readings		VOC		Normal	0.002	0.002								
592-910760	7/22/2023 7:56:53 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:56:43 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:56:33 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:56:23 AM	Readings		VOC		Normal	0.001	0.001								
592-910760	7/22/2023 7:56:13 AM	Readings		VOC		Normal	0.004	0.004								
592-910760	7/22/2023 7:56:03 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:55:53 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:55:43 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:55:33 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:55:23 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:55:13 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:55:03 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:54:53 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:54:43 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:54:33 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:54:23 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:54:13 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:54:03 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:53:53 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:53:43 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:53:33 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:53:23 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:53:13 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:53:03 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:52:53 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:52:43 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:52:33 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:52:23 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:52:13 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:52:03 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:51:53 AM	Readings		VOC		Normal	0.033	0.033								
592-910760	7/22/2023 7:51:43 AM	Readings		VOC		Normal	0.092	0.092								
592-910760	7/22/2023 7:51:33 AM	Readings		VOC		Normal	0.095	0.095								
592-910760	7/22/2023 7:51:23 AM	Readings		VOC		Normal	0.08	0.08								
592-910760	7/22/2023 7:51:13 AM	Readings		VOC		Normal	0.123	0.123								
592-910760	7/22/2023 7:51:03 AM	Readings		VOC		Normal	0.123	0.123								
592-910760	7/22/2023 7:50:53 AM	Readings		VOC		Normal	0.073	0.073								
592-910760	7/22/2023 7:50:43 AM	Readings		VOC		Normal	0.106	0.106								
592-910760	7/22/2023 7:50:33 AM	Readings		VOC		Normal	0.099	0.099								
592-910760	7/22/2023 7:50:23 AM	Readings		VOC		Normal	0.111	0.111								
592-910760	7/22/2023 7:50:13 AM	Readings		VOC		Normal	0.1	0.1								
592-910760	7/22/2023 7:50:03 AM	Readings		VOC		Normal	0.098	0.098								
592-910760	7/22/2023 7:49:53 AM	Readings		VOC		Normal	0.081	0.081								
592-910760	7/22/2023 7:49:43 AM	Readings		VOC		Normal	0.02	0.02								
592-910760	7/22/2023 7:49:33 AM	Readings		VOC		Normal	0.047	0.047								
592-910760	7/22/2023 7:49:23 AM	Readings		VOC		Normal	0.097	0.097								
592-910760	7/22/2023 7:49:13 AM	Readings		VOC		Normal	0.061	0.061								
592-910760	7/22/2023 7:49:03 AM	Readings		VOC		Normal	0.065	0.065								
592-910760	7/22/2023 7:48:53 AM	Readings		VOC		Normal	0.046	0.046								
592-910760	7/22/2023 7:48:43 AM	Readings		VOC		Normal	0.06	0.06								
592-910760	7/22/2023 7:48:33 AM	Readings		VOC		Normal	0.04	0.04								
592-910760	7/22/2023 7:48:23 AM	Readings		VOC		Normal	0.051	0.051								
592-910760	7/22/2023 7:48:13 AM	Readings		VOC		Normal	0.046	0.046								
592-910760	7/22/2023 7:48:03 AM	Readings		VOC		Normal	0.041	0.041								
592-910760	7/22/2023 7:47:53 AM	Readings		VOC		Normal	0.034	0.034								
592-910760	7/22/2023 7:47:43 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:47:33 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:47:23 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:47:13 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:47:03 AM	Readings		VOC		Normal	0.038	0.038								
592-910760	7/22/2023 7:46:53 AM	Readings		VOC		Normal	0.009	0.009								
592-910760	7/22/2023 7:46:43 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:46:33 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:46:23 AM	Readings		VOC		Normal	0.039	0.039								
592-910760	7/22/2023 7:46:13 AM	Readings		VOC		Normal	0.011	0.011								
592-910760	7/22/2023 7:46:03 AM	Readings		VOC		Normal	0.0	0.0								
592-910760	7/22/2023 7:45:53 AM	Readings		VOC		Normal	0.0	0.0								

592-910760	7/22/2023 7:45:43 AM	Readings		VOC		Normal	0.017	0.017									
592-910760	7/22/2023 7:45:33 AM	Readings		VOC		Normal	0.119	0.119									
592-910760	7/22/2023 7:45:23 AM	Readings		VOC		Normal	0.177	0.177									
592-910760	7/22/2023 7:45:13 AM	Readings		VOC		Normal	0.175	0.175									
592-910760	7/22/2023 7:45:03 AM	Readings		VOC		Normal	0.151	0.151									
592-910760	7/22/2023 7:44:53 AM	Readings		VOC		Normal	0.107	0.107									
592-910760	7/22/2023 7:44:43 AM	Readings		VOC		Normal	0.037	0.037									
592-910760	7/22/2023 7:44:33 AM	Readings		VOC		Normal	0.07	0.07									
592-910760	7/22/2023 7:44:23 AM	Readings		VOC		Normal	0.047	0.047									
592-910760	7/22/2023 7:44:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:44:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:43:53 AM	Readings		VOC		Normal	0.02	0.02									
592-910760	7/22/2023 7:43:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:43:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:43:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:43:13 AM	Readings		VOC		Normal	0.019	0.019									
592-910760	7/22/2023 7:43:03 AM	Readings		VOC		Normal	0.146	0.146									
592-910760	7/22/2023 7:42:53 AM	Readings		VOC		Normal	0.029	0.029									
592-910760	7/22/2023 7:42:43 AM	Readings		VOC		Normal	0.17	0.17									
592-910760	7/22/2023 7:42:33 AM	Readings		VOC		Normal	0.064	0.064									
592-910760	7/22/2023 7:42:23 AM	Readings		VOC		Normal	0.194	0.194									
592-910760	7/22/2023 7:42:13 AM	Readings		VOC		Normal	0.238	0.238									
592-910760	7/22/2023 7:42:03 AM	Readings		VOC		Normal	0.233	0.233									
592-910760	7/22/2023 7:41:53 AM	Readings		VOC		Normal	0.237	0.237									
592-910760	7/22/2023 7:41:43 AM	Readings		VOC		Normal	0.242	0.242									
592-910760	7/22/2023 7:41:33 AM	Readings		VOC		Normal	0.239	0.239									
592-910760	7/22/2023 7:41:23 AM	Readings		VOC		Normal	0.233	0.233									
592-910760	7/22/2023 7:41:13 AM	Readings		VOC		Normal	0.219	0.219									
592-910760	7/22/2023 7:41:03 AM	Readings		VOC		Normal	0.225	0.225									
592-910760	7/22/2023 7:40:53 AM	Readings		VOC		Normal	0.227	0.227									
592-910760	7/22/2023 7:40:43 AM	Readings		VOC		Normal	0.228	0.228									
592-910760	7/22/2023 7:40:33 AM	Readings		VOC		Normal	0.202	0.202									
592-910760	7/22/2023 7:40:23 AM	Readings		VOC		Normal	0.19	0.19									
592-910760	7/22/2023 7:40:13 AM	Readings		VOC		Normal	0.208	0.208									
592-910760	7/22/2023 7:40:03 AM	Readings		VOC		Normal	0.204	0.204									
592-910760	7/22/2023 7:39:53 AM	Readings		VOC		Normal	0.201	0.201									
592-910760	7/22/2023 7:39:43 AM	Readings		VOC		Normal	0.173	0.173									
592-910760	7/22/2023 7:39:33 AM	Readings		VOC		Normal	0.02	0.02									
592-910760	7/22/2023 7:39:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:39:13 AM	Readings		VOC		Normal	0.025	0.025									
592-910760	7/22/2023 7:39:03 AM	Readings		VOC		Normal	0.191	0.191									
592-910760	7/22/2023 7:38:53 AM	Readings		VOC		Normal	0.186	0.186									
592-910760	7/22/2023 7:38:43 AM	Readings		VOC		Normal	0.154	0.154									
592-910760	7/22/2023 7:38:33 AM	Readings		VOC		Normal	0.156	0.156									
592-910760	7/22/2023 7:38:23 AM	Readings		VOC		Normal	0.134	0.134									
592-910760	7/22/2023 7:38:13 AM	Readings		VOC		Normal	0.141	0.141									
592-910760	7/22/2023 7:38:03 AM	Readings		VOC		Normal	0.127	0.127									
592-910760	7/22/2023 7:37:53 AM	Readings		VOC		Normal	0.111	0.111									
592-910760	7/22/2023 7:37:43 AM	Readings		VOC		Normal	0.084	0.084									
592-910760	7/22/2023 7:37:33 AM	Readings		VOC		Normal	0.066	0.066									
592-910760	7/22/2023 7:37:23 AM	Readings		VOC		Normal	0.058	0.058									
592-910760	7/22/2023 7:37:13 AM	Readings		VOC		Normal	0.049	0.049									
592-910760	7/22/2023 7:37:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:36:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:36:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:36:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:36:23 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:36:13 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:36:03 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:35:53 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:35:43 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:35:33 AM	Readings		VOC		Normal	0.0	0.0									
592-910760	7/22/2023 7:35:23 AM	Readings		VOC		Normal	0.021	0.021									
592-910760	7/22/2023 7:35:13 AM	Readings		VOC		Normal	0.006	0.006									
592-910760	7/22/2023 7:35:03 AM	Readings		VOC		Normal	0.249	0.249									
592-910760	7/22/2023 7:34:53 AM	Readings		VOC		Normal	0.186	0.186									
592-910760	7/22/2023 7:34:43 AM	Readings		VOC		Normal	0.324	0.324									
592-910760	7/22/2023 7:34:33 AM	Readings		VOC		Normal	0.389	0.389									
592-910760	7/22/2023 7:34:23 AM	Readings		VOC		Normal	0.407	0.407									
592-910760	7/22/2023 7:34:13 AM	Readings		VOC		Normal	0.396	0.396									
592-910760	7/22/2023 7:34:03 AM	Readings		VOC		Normal	0.409	0.409									
592-910760	7/22/2023 7:33:53 AM	Readings		VOC		Normal	0.326	0.326									
592-910760	7/22/2023 7:33:43 AM	Readings		VOC		Normal	0.419	0.419									
592-910760	7/22/2023 7:33:33 AM	Readings		VOC		Normal	0.413	0.413									
592-910760	7/22/2023 7:33:23 AM	Readings		VOC		Normal	0.449	0.449									
592-910760	7/22/2023 7:33:13 AM	Readings		VOC		Normal	0.396	0.396									
592-910760	7/22/2023 7:33:03 AM	Readings		VOC		Normal	0.453	0.453									
592-910760	7/22/2023 7:32:53 AM	Readings		VOC		Normal	0.45	0.45									
592-910760	7/22/2023 7:32:43 AM	Readings		VOC		Normal	0.442	0.442									
592-910760	7/22/2023 7:32:33 AM	Readings		VOC		Normal	0.439	0.439									
592-910760	7/22/2023 7:32:23 AM	Readings		VOC		Normal	0.432	0.432									
592-910760	7/22/2023 7:32:13 AM	Readings		VOC		Normal	0.392	0.392									
592-910760	7/22/2023 7:32:03 AM	Readings		VOC		Normal	0.358	0.358									
592-910760	7/22/2023 7:31:53 AM	Readings		VOC		Normal	0.418	0.418									
592-910760	7/22/2023 7:31:43 AM	Readings		VOC		Normal	0.454	0.454									
592-910760	7/22/2023 7:31:33 AM	Readings		VOC		Normal	0.448	0.448									
592-910760	7/22/2023 7:31:23 AM	Readings		VOC		Normal	0.455	0.455									
592-910760	7/22/2023 7:31:13 AM	Readings		VOC		Normal	0.448	0.448									
592-910760	7/22/2023 7:31:03 AM	Readings		VOC		Normal	0.425	0.425									
592-910760	7/22/2023 7:30:53 AM	Readings		VOC		Normal	0.388	0.388									
592-910760	7/22/2023 7:30:43 AM	Readings		VOC		Normal	0.165	0.165									
592-910760	7/22/2023 7:30:33 AM	Readings		VOC		Normal	0.044	0.044									
592-910760	7/22/2023 7:30:23 AM	Readings		VOC		Normal	0.275	0.275									

592-910760	7/22/2023 7:30:13 AM	Readings		VOC		Normal	0.127	0.127								
592-910760	7/22/2023 7:30:03 AM	Readings		VOC		Normal	0.117	0.117								
592-910760	7/22/2023 7:29:53 AM	Readings		VOC		Normal	0.267	0.267								
592-910760	7/22/2023 7:29:43 AM	Readings		VOC		Normal	0.366	0.366								
592-910760	7/22/2023 7:29:33 AM	Readings		VOC		Normal	0.274	0.274								
592-910760	7/22/2023 7:29:23 AM	Readings		VOC		Normal	0.346	0.346								
592-910760	7/22/2023 7:29:13 AM	Readings		VOC		Normal	0.538	0.538								
592-910760	7/22/2023 7:29:03 AM	Readings		VOC		Normal	0.394	0.394								
592-910760	7/22/2023 7:28:53 AM	Readings		VOC		Normal	0.111	0.111								
592-910760	7/22/2023 7:28:43 AM	Readings		VOC		Normal	0.426	0.426								
592-910760	7/22/2023 7:28:33 AM	Readings		VOC		Normal	0.564	0.564								
592-910760	7/22/2023 7:28:23 AM	Readings		VOC		Normal	0.558	0.558								
592-910760	7/22/2023 7:28:13 AM	Readings		VOC		Normal	0.54	0.54								
592-910760	7/22/2023 7:28:03 AM	Readings		VOC		Normal	0.468	0.468								
592-910760	7/22/2023 7:27:53 AM	Readings		VOC		Normal	0.544	0.544								
592-910760	7/22/2023 7:27:43 AM	Readings		VOC		Normal	0.546	0.546								
592-910760	7/22/2023 7:27:33 AM	Readings		VOC		Normal	0.494	0.494								
592-910760	7/22/2023 7:27:23 AM	Readings		VOC		Normal	0.54	0.54								
592-910760	7/22/2023 7:27:13 AM	Readings		VOC		Normal	0.535	0.535								
592-910760	7/22/2023 7:27:03 AM	Readings		VOC		Normal	0.542	0.542								
592-910760	7/22/2023 7:26:53 AM	Readings		VOC		Normal	0.533	0.533								
592-910760	7/22/2023 7:26:43 AM	Readings		VOC		Normal	0.497	0.497								
592-910760	7/22/2023 7:26:33 AM	Readings		VOC		Normal	0.474	0.474								
592-910760	7/22/2023 7:26:23 AM	Readings		VOC		Normal	0.418	0.418								
592-910760	7/22/2023 7:26:13 AM	Readings		VOC		Normal	0.473	0.473								
592-910760	7/22/2023 7:26:03 AM	Readings		VOC		Normal	0.345	0.345								
592-910760	7/22/2023 7:25:53 AM	Readings		VOC		Normal	0.474	0.474								
592-910760	7/22/2023 7:25:43 AM	Readings		VOC		Normal	0.401	0.401								
592-910760	7/22/2023 7:25:33 AM	Readings		VOC		Normal	0.23	0.23								
592-910760	7/22/2023 7:25:23 AM	Readings		VOC		Normal	0.226	0.226								
592-910760	7/22/2023 7:25:13 AM	Readings		VOC		Normal	0.258	0.258								
592-910760	7/22/2023 7:25:03 AM	Readings		VOC		Normal	0.365	0.365								
592-910760	7/22/2023 7:24:53 AM	Readings		VOC		Normal	0.263	0.263								
592-910760	7/22/2023 7:24:43 AM	Readings		VOC		Normal	0.272	0.272								
592-910760	7/22/2023 7:24:33 AM	Readings		VOC		Normal	0.323	0.323								
592-910760	7/22/2023 7:24:23 AM	Readings		VOC		Normal	0.586	0.586								
592-910760	7/22/2023 7:24:13 AM	Readings		VOC		Normal	0.573	0.573								
592-910760	7/22/2023 7:24:03 AM	Readings		VOC		Normal	0.487	0.487								
592-910760	7/22/2023 7:23:53 AM	Readings		VOC		Normal	0.527	0.527								
592-910760	7/22/2023 7:23:43 AM	Readings		VOC		Normal	0.639	0.639								
592-910760	7/22/2023 7:23:33 AM	Readings		VOC		Normal	0.663	0.663								
592-910760	7/22/2023 7:23:23 AM	Readings		VOC		Normal	0.651	0.651								
592-910760	7/22/2023 7:23:13 AM	Readings		VOC		Normal	0.505	0.505								
592-910760	7/22/2023 7:23:03 AM	Readings		VOC		Normal	0.283	0.283								
592-910760	7/22/2023 7:22:53 AM	Readings		VOC		Normal	0.309	0.309								
592-910760	7/22/2023 7:22:43 AM	Readings		VOC		Normal	0.488	0.488								
592-910760	7/22/2023 7:22:33 AM	Readings		VOC		Normal	0.624	0.624								
592-910760	7/22/2023 7:22:23 AM	Readings		VOC		Normal	0.617	0.617								
592-910760	7/22/2023 7:22:13 AM	Readings		VOC		Normal	0.633	0.633								
592-910760	7/22/2023 7:22:03 AM	Readings		VOC		Normal	0.662	0.662								
592-910760	7/22/2023 7:21:53 AM	Readings		VOC		Normal	0.675	0.675								
592-910760	7/22/2023 7:21:43 AM	Readings		VOC		Normal	0.679	0.679								
592-910760	7/22/2023 7:21:33 AM	Readings		VOC		Normal	0.671	0.671								
592-910760	7/22/2023 7:21:23 AM	Readings		VOC		Normal	0.674	0.674								
592-910760	7/22/2023 7:21:13 AM	Readings		VOC		Normal	0.662	0.662								
592-910760	7/22/2023 7:21:03 AM	Readings		VOC		Normal	0.689	0.689								
592-910760	7/22/2023 7:20:53 AM	Readings		VOC		Normal	0.714	0.714								
592-910760	7/22/2023 7:20:43 AM	Readings		VOC		Normal	0.699	0.699								
592-910760	7/22/2023 7:20:33 AM	Readings		VOC		Normal	0.658	0.658								
592-910760	7/22/2023 7:20:23 AM	Readings		VOC		Normal	0.724	0.724								
592-910760	7/22/2023 7:20:13 AM	Readings		VOC		Normal	0.731	0.731								
592-910760	7/22/2023 7:20:03 AM	Readings		VOC		Normal	0.741	0.741								
592-910760	7/22/2023 7:19:53 AM	Readings		VOC		Normal	0.73	0.73								
592-910760	7/22/2023 7:19:43 AM	Readings		VOC		Normal	0.715	0.715								
592-910760	7/22/2023 7:19:33 AM	Readings		VOC		Normal	0.686	0.686								
592-910760	7/22/2023 7:19:23 AM	Readings		VOC		Normal	0.745	0.745								
592-910760	7/22/2023 7:19:13 AM	Readings		VOC		Normal	0.736	0.736								
592-910760	7/22/2023 7:19:03 AM	Readings		VOC		Normal	0.741	0.741								
592-910760	7/22/2023 7:18:53 AM	Readings		VOC		Normal	0.736	0.736								
592-910760	7/22/2023 7:18:43 AM	Readings		VOC		Normal	0.728	0.728								
592-910760	7/22/2023 7:18:33 AM	Readings		VOC		Normal	0.757	0.757								
592-910760	7/22/2023 7:18:23 AM	Readings		VOC		Normal	0.776	0.776								
592-910760	7/22/2023 7:18:13 AM	Readings		VOC		Normal	0.774	0.774								
592-910760	7/22/2023 7:18:03 AM	Readings		VOC		Normal	0.746	0.746								
592-910760	7/22/2023 7:17:53 AM	Readings		VOC		Normal	0.632	0.632								
592-910760	7/22/2023 7:17:43 AM	Readings		VOC		Normal	0.444	0.444								
592-910760	7/22/2023 7:17:33 AM	Readings		VOC		Normal	0.439	0.439								
592-910760	7/22/2023 7:17:23 AM	Readings		VOC		Normal	0.49	0.49								
592-910760	7/22/2023 7:17:13 AM	Readings		VOC		Normal	0.427	0.427								
592-910760	7/22/2023 7:17:03 AM	Readings		VOC		Normal	0.446	0.446								
592-910760	7/22/2023 7:16:53 AM	Readings		VOC		Normal	0.707	0.707								
592-910760	7/22/2023 7:16:43 AM	Readings		VOC		Normal	0.823	0.823								
592-910760	7/22/2023 7:16:33 AM	Readings		VOC		Normal	0.805	0.805								
592-910760	7/22/2023 7:16:23 AM	Readings		VOC		Normal	0.816	0.816								
592-910760	7/22/2023 7:16:13 AM	Readings		VOC		Normal	0.809	0.809								
592-910760	7/22/2023 7:16:03 AM	Readings		VOC		Normal	0.718	0.718								
592-910760	7/22/2023 7:15:53 AM	Readings		VOC		Normal	0.69	0.69								
592-910760	7/22/2023 7:15:43 AM	Readings		VOC		Normal	0.687	0.687								
592-910760	7/22/2023 7:15:33 AM	Readings		VOC		Normal	0.725	0.725								
592-910760	7/22/2023 7:15:23 AM	Readings		VOC		Normal	0.665	0.665								
592-910760	7/22/2023 7:15:13 AM	Readings		VOC		Normal	0.682	0.682								
592-910760	7/22/2023 7:15:03 AM	Readings		VOC		Normal	0.722	0.722								
592-910760	7/22/2023 7:14:53 AM	Readings		VOC		Normal	0.723	0.723								

592-910760	7/22/2023 7:14:43 AM	Readings		VOC		Normal	0.651	0.651							
592-910760	7/22/2023 7:14:33 AM	Readings		VOC		Normal	0.513	0.513							
592-910760	7/22/2023 7:14:23 AM	Readings		VOC		Normal	0.502	0.502							
592-910760	7/22/2023 7:14:13 AM	Readings		VOC		Normal	0.515	0.515							
592-910760	7/22/2023 7:14:03 AM	Readings		VOC		Normal	0.521	0.521							
592-910760	7/22/2023 7:13:53 AM	Readings		VOC		Normal	0.558	0.558							
592-910760	7/22/2023 7:13:43 AM	Readings		VOC		Normal	0.656	0.656							
592-910760	7/22/2023 7:13:33 AM	Readings		VOC		Normal	0.691	0.691							
592-910760	7/22/2023 7:13:23 AM	Readings		VOC		Normal	0.711	0.711							
592-910760	7/22/2023 7:13:13 AM	Readings		VOC		Normal	0.705	0.705							
592-910760	7/22/2023 7:13:03 AM	Readings		VOC		Normal	0.593	0.593							
592-910760	7/22/2023 7:12:53 AM	Readings		VOC		Normal	0.646	0.646							
592-910760	7/22/2023 7:12:43 AM	Readings		VOC		Normal	0.57	0.57							
592-910760	7/22/2023 7:12:33 AM	Readings		VOC		Normal	0.579	0.579							
592-910760	7/22/2023 7:12:23 AM	Readings		VOC		Normal	0.651	0.651							
592-910760	7/22/2023 7:12:13 AM	Readings		VOC		Normal	0.754	0.754							
592-910760	7/22/2023 7:12:03 AM	Readings		VOC		Normal	0.717	0.717							
592-910760	7/22/2023 7:11:53 AM	Readings		VOC		Normal	0.659	0.659							
592-910760	7/22/2023 7:11:43 AM	Readings		VOC		Normal	0.61	0.61							
592-910760	7/22/2023 7:11:33 AM	Readings		VOC		Normal	0.622	0.622							
592-910760	7/22/2023 7:11:23 AM	Readings		VOC		Normal	0.655	0.655							
592-910760	7/22/2023 7:11:13 AM	Readings		VOC		Normal	0.668	0.668							
592-910760	7/22/2023 7:11:03 AM	Readings		VOC		Normal	0.719	0.719							
592-910760	7/22/2023 7:10:53 AM	Readings		VOC		Normal	0.792	0.792							
592-910760	7/22/2023 7:10:43 AM	Readings		VOC		Normal	0.785	0.785							
592-910760	7/22/2023 7:10:33 AM	Readings		VOC		Normal	0.803	0.803							
592-910760	7/22/2023 7:10:23 AM	Readings		VOC		Normal	0.826	0.826							
592-910760	7/22/2023 7:10:13 AM	Readings		VOC		Normal	0.726	0.726							
592-910760	7/22/2023 7:10:03 AM	Readings		VOC		Normal	0.746	0.746							
592-910760	7/22/2023 7:09:53 AM	Readings		VOC		Normal	0.731	0.731							
592-910760	7/22/2023 7:09:43 AM	Readings		VOC		Normal	0.734	0.734							
592-910760	7/22/2023 7:09:33 AM	Readings		VOC		Normal	0.768	0.768							
592-910760	7/22/2023 7:09:23 AM	Readings		VOC		Normal	0.811	0.811							
592-910760	7/22/2023 7:09:13 AM	Readings		VOC		Normal	0.826	0.826							
592-910760	7/22/2023 7:09:03 AM	Readings		VOC		Normal	0.829	0.829							
592-910760	7/22/2023 7:08:53 AM	Readings		VOC		Normal	0.798	0.798							
592-910760	7/22/2023 7:08:43 AM	Readings		VOC		Normal	0.829	0.829							
592-910760	7/22/2023 7:08:33 AM	Readings		VOC		Normal	0.838	0.838							
592-910760	7/22/2023 7:08:23 AM	Readings		VOC		Normal	0.834	0.834							
592-910760	7/22/2023 7:08:13 AM	Readings		VOC		Normal	0.852	0.852							
592-910760	7/22/2023 7:08:03 AM	Readings		VOC		Normal	0.882	0.882							
592-910760	7/22/2023 7:07:53 AM	Readings		VOC		Normal	0.912	0.912							
592-910760	7/22/2023 7:07:43 AM	Readings		VOC		Normal	0.941	0.941							
592-910760	7/22/2023 7:07:33 AM	Readings		VOC		Normal	0.969	0.969							
592-910760	7/22/2023 7:07:23 AM	Readings		VOC		Normal	0.97	0.97							
592-910760	7/22/2023 7:07:13 AM	Readings		VOC		Normal	0.985	0.985							
592-910760	7/22/2023 7:07:03 AM	Readings		VOC		Normal	1.002	1.002							
592-910760	7/22/2023 7:06:53 AM	Readings		VOC		Normal	1.035	1.035							
592-910760	7/22/2023 7:06:43 AM	Readings		VOC		Normal	1.03	1.03							
592-910760	7/22/2023 7:06:33 AM	Readings		VOC		Normal	1.046	1.046							
592-910760	7/22/2023 7:06:23 AM	Readings		VOC		Normal	1.039	1.039							
592-910760	7/22/2023 7:06:13 AM	Readings		VOC		Normal	1.092	1.092							
592-910760	7/22/2023 7:06:03 AM	Readings		VOC		Normal	1.094	1.094							
592-910760	7/22/2023 7:05:53 AM	Readings		VOC		Normal	1.126	1.126							
592-910760	7/22/2023 7:05:43 AM	Readings		VOC		Normal	1.135	1.135							
592-910760	7/22/2023 7:05:33 AM	Readings		VOC		Normal	1.152	1.152							
592-910760	7/22/2023 7:05:23 AM	Readings		VOC		Normal	1.169	1.169							
592-910760	7/22/2023 7:05:13 AM	Readings		VOC		Normal	1.229	1.229							
592-910760	7/22/2023 7:05:03 AM	Readings		VOC		Normal	1.148	1.148							
592-910760	7/22/2023 7:04:53 AM	CONFIG	10	VOC	ppm				100.0	200.0	100.0	1730	7/22/2023 7:04:53 AM	7/22/2023 11:53:13 AM	V1.20

F3

WASTE MANAGEMENT

EZ Profile™

Requested Facility: Chaffee Landfill ❑ Unsure Profile Number: 124901NY

❑ Multiple Generator Locations (Attach Locations) ❑ Request Certificate of Disposal ❑ Renewal? Original Profile Number: _____

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

1. Generator Name: MOD-PAC CORP.
2. Generator Site Address: 1801 Elmwood Avenue
   (City, State, ZIP) Buffalo NY 14207
3. County: New York
4. Contact Name: Mike Sobczynski
5. Email: msobczynski@modpac.com
6. Phone: (716) 667-3130 7. Fax: _____
8. Generator EPA ID: _____ ☑ N/A
9. State ID: _____ ☑ N/A

B. BILLING INFORMATION ❑ SAME AS GENERATOR

1. Billing Name: Environmental Advantage, Inc,
2. Billing Address: 3636 North Buffalo Road
   (City, State, ZIP) Orchard Park NY 14127
3. Contact Name: Mark Hanna
4. Email: mhanna@envadvantage.com
5. Phone: (716) 667-3130 6. Fax: _____
7. WM Hauled? ❑ Yes ☑ No
8. P.O. Number: 01304
9. Payment Method: ☑ Credit Account ❑ Cash ❑ Credit Card

C. MATERIAL INFORMATION

1. Common Name: Non-Hazardous Soil mixed with some Urban Fill
   Describe Process(es) Generating Material: ❑ See Attached

Non-Hazardous Soil mixed with some Urban Fill removed from the site during various capital improvement projects and maintenance repairs. Site is currently in the site management phase of the BCP (BCP SIte #915314). A Track 4 cleanup was

2. Material Composition and Contaminants: ❑ See Attached

1. Soil	90.00-99.99 %
2. Concrete, Brick, Glass	0.0-10.00 %
3.	
4.	
Total comp. must be equal to or greater than 100%	≥100%

3. State Waste Codes: _____ ☑ N/A
4. Color: Brown
5. Physical State at 70˚F: ☑ Solid ❑ Liquid ❑ Other: _____
6. Free Liquid Range Percentage: _____ to _____ ☑ N/A
7. pH: _____ to _____ ☑ N/A
8. Strong Odor: ❑ Yes ☑ No Describe: _____
9. Flash Point: ❑ <140˚F ❑ 140˚–199˚F ❑ ≥200˚ ☑ N/A

D. REGULATORY INFORMATION

1. EPA Hazardous Waste? ❑ Yes* ☑ No
   Code: _____
2. State Hazardous Waste? ❑ Yes ☑ No
   Code: _____
3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ❑ Yes* ☑ No
4. Contains Underlying Hazardous Constituents? ❑ Yes* ☑ No
5. From an industry regulated under Benzene NESHAP? ❑ Yes* ☑ No
6. Facility remediation subject to 40 CFR 63 GGGGG? ❑ Yes* ☑ No
7. CERCLA or State-mandated clean-up? ❑ Yes* ☑ No
8. NRC or State-regulated radioactive or NORM waste? ❑ Yes* ☑ No

***If Yes, see Addendum (page 2) for additional questions and space.**

9. Contains PCBs? → If Yes, answer a, b and c. ❑ Yes ☑ No
   a. Regulated by 40 CFR 761? ❑ Yes ❑ No
   b. Remediation under 40 CFR 761.61 (a)? ❑ Yes ❑ No
   c. Were PCB imported into the US? ❑ Yes ❑ No
10. Regulated and/or Untreated Medical/Infectious Waste? ❑ Yes ☑ No
11. Contains Asbestos? ❑ Yes ☑ No
    → If Yes: ❑ Non-Friable ❑ Non-Friable – Regulated ❑ Friable

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

1. Analytical attached ☑ Yes
   Please identify applicable samples and/or lab reports:

Alpha Lab Report L2203631, sample ID: WC-001

2. Other information attached (such as MSDS)? ❑ Yes

F. SHIPPING AND DOT INFORMATION

1. ❑ One-Time Event ☑ Repeat Event/Ongoing Business
2. Estimated Quantity/Unit of Measure: 500
   ☑ Tons ❑ Yards ❑ Drums ❑ Gallons ❑ Other: _____
3. Container Type and Size: Dump Truck
4. USDOT Proper Shipping Name: ☑ N/A

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

☑ I am an Authorized Agent signing on behalf of the Generator, and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.

Name (Print): C. Mark Hanna Date: 02/10/2022

Title: President

Company: Environmental Advantage, Inc,

Certification Signature

C. Mark Hanna

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THINK GREEN®

QUESTIONS? CALL 800 963 4776 FOR ASSISTANCE Revised November 06, 2020

EZ Profile™ Addendum

Only complete this Addendum if prompted by responses on EZ Profile™ (page 1) or to provide additional information. Sections and question numbers correspond to EZ Profile™.

Profile Number: 124901NY

C. MATERIAL INFORMATION

Describe Process Generating Material (Continued from page 1): If more space is needed, please attach additional pages.

completed in 2018 - 2019, with a COC issued on December 24, 2019. Previous waste profile # 120531NY.

Material Composition and Contaminants (Continued from page 1): If more space is needed, please attach additional pages.

5.	
6.	
7.	
8.	
9.	
Total composition must be equal to or greater than 100%	≥100%

D. REGULATORY INFORMATION

Only questions with a "Yes" response in Section D on the EZ Profile™ form (page 1) need to be answered here.

1. EPA Hazardous Waste
   a. Please list all USEPA listed and characteristic waste code numbers:
   b. Is the material subject to the Alternative Debris standards (40 CFR 268.45)? ❑ Yes ❑ No
   c. Is the material subject to the Alternative Soil standards (40 CFR 268.49)? → If Yes, complete question 4. ❑ Yes ❑ No
   d. Is the material exempt from Subpart CC Controls (40 CFR 264.1083)? ❑ Yes ❑ No
      → If Yes, please check **one** of the following:
      ❑ Waste meets LDR or treatment exemptions for organics (40 CFR 264.1082(c)(2) or (c)(4))
      ❑ Waste contains VOCs that average <500 ppmw (CFR 264.1082(c)(1)) – will require annual update.
2. State Hazardous Waste → Please list all state waste codes: _____
3. For material that is Treated, Delisted, or Excluded → Please indicate the category, below:
   ❑ Delisted Hazardous Waste ❑ Excluded Waste under 40 CFR 261.4 → Specify Exclusion: _____
   ❑ Treated Hazardous Waste Debris ❑ Treated Characteristic Hazardous Waste → If checked, complete question 4.
4. Underlying Hazardous Constituents → Please list all Underlying Hazardous Constituents:
5. Industries regulated under Benzene NESHAP include petroleum refineries, chemical manufacturing plants, coke by-product recovery plants, and TSDFs.
   a. Are you a TSDF? → If yes, please complete Benzene NESHAP questionnaire. If not, continue. ❑ Yes ❑ No
   b. Does this material contain benzene? ❑ Yes ❑ No
      1. If yes, what is the flow weighted average concentration? _____ ppmw
   c. What is your facility's current total annual benzene quantity in Megagrams? ❑ <1 Mg ❑ 1–9.99 Mg ❑ ≥10 Mg
   d. Is this waste soil from a remediation? ❑ Yes ❑ No
      1. If yes, what is the benzene concentration in remediation waste? _____ ppmw
   e. Does the waste contain >10% water/moisture? ❑ Yes ❑ No
   f. Has material been treated to remove 99% of the benzene or to achieve <10 ppmw? ❑ Yes ❑ No
   g. Is material exempt from controls in accordance with 40 CFR 61.342? ❑ Yes ❑ No
      → If yes, specify exemption: _____
   h. Based on your knowledge of your waste and the BWON regulations, do you believe that this waste stream is subject to treatment and control requirements at an off-site TSDF? ❑ Yes ❑ No
6. 40 CFR 63 GGGGG → Does the material contain <500 ppmw VOHAPs at the point of determination? ❑ Yes ❑ No
7. CERCLA or State-Mandated clean up → Please submit the Record of Decision or other documentation with process information to assist others in the evaluation for proper disposal. A "Determination of Acceptability" may be needed for CERCLA wastes not going to a CERCLA approved facility.
8. NRC or state regulated radioactive or NORM Waste → Please identify Isotopes and pCi/g: _____

EZ Profile™ Renewal Form

Profile Number: 124901NY

Material Name: Non-Hazardous Soil mixed with some Urban Fill

Generator Name: MOD-PAC CORP.

WM Management Facility: Chaffee Landfill

1. **Does the previous waste characterization continue to be representative of the material described by this profile?**

☑ Yes ☐ No (If No, please complete and submit a new EZ Profile™.)

Please attach any updated analytical or other documents (e.g., revised Safety Data Sheets) that are representative of the waste and you would like WM to include with the profile in WMSolutions. Use the box below to provide any additional description or details regarding the attachments (e.g., applicable sample IDs).

Alpha Lab Report: L2338354, Sample ID: WC-001

RECERTIFICATION STATEMENT

By signing this Waste Management ("WM") Profile Renewal Form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to WM prior to providing the material to WM. I am aware that there are significant penalties for knowingly submitting false information.

☑ I am authorized to sign on behalf of the Generator and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.

☐ I am a duly authorized employee of Generator holding a position of technical responsibility with direct knowledge of the waste stream and the information contained in this profile, and I confirm that information contained in this profile, as well as supporting documents are accurate and complete.

Name (Print): C. Mark Hanna **Date:** 7/20/2023

Title: Presdient

Company: Environmental Advantage, Inc.

Certification Signature

ANALYTICAL REPORT

Lab Number:	L2338354
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	MPC PROFILE 124901 NY RENEWAL
Project Number:	01304
Report Date:	07/20/23

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: MPC PROFILE 124901 NY RENEWAL
Project Number: 01304

Lab Number: L2338354
Report Date: 07/20/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2338354-01	WC-001	SOIL	1801 ELMWOOD AVE	07/06/23 07:45	07/06/23

Project Name:	MPC PROFILE 124901 NY RENEWAL	**Lab Number:**	L2338354
Project Number:	01304	**Report Date:**	07/20/23

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:	MPC PROFILE 124901 NY RENEWAL	**Lab Number:**	L2338354
Project Number:	01304	**Report Date:**	07/20/23

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.

TCLP Mercury

The WG1801364-2 LCS recovery, associated with L2338354-01, is above the acceptance criteria for mercury (147%); however, the associated sample is non-detect to the RL for this target analyte. 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: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 07/20/23

ORGANICS

VOLATILES

Project Name: MPC PROFILE 124901 NY RENEWAL **Lab Number:** L2338354

Project Number: 01304 **Report Date:** 07/20/23

SAMPLE RESULTS

Lab ID: L2338354-01
Client ID: WC-001
Sample Location: 1801 ELMWOOD AVE

Date Collected: 07/06/23 07:45
Date Received: 07/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 07/12/23 20:02
Analyst: MCM
Percent Solids: 97%
TCLP/SPLP Ext. Date: 07/11/23 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	90		70-130
dibromofluoromethane	105		70-130

Project Name: MPC PROFILE 124901 NY RENEWAL **Lab Number:** L2338354

Project Number: 01304 **Report Date:** 07/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/12/23 10:50
Analyst: LAC
TCLP/SPLP Extraction Date: 07/11/23 09:07

Extraction Date: 07/11/23 09:07

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1802628-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	88		70-130
dibromofluoromethane	107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MPC PROFILE 124901 NY RENEWAL

Project Number: 01304

Lab Number: L2338354

Report Date: 07/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1802628-3 WG1802628-4								
Chloroform	92		97		70-130	5		20
Carbon tetrachloride	100		110		63-132	10		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		96		75-130	4		25
1,2-Dichloroethane	92		98		70-130	6		20
Benzene	88		92		70-130	4		25
Vinyl chloride	100		100		55-140	0		20
1,1-Dichloroethene	95		100		61-145	5		25
Trichloroethene	96		100		70-130	4		25
1,4-Dichlorobenzene	93		95		70-130	2		20
2-Butanone	91		87		63-138	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	96		94		70-130
4-Bromofluorobenzene	91		89		70-130
dibromofluoromethane	103		101		70-130

SEMIVOLATILES

Project Name: MPC PROFILE 124901 NY RENEWAL **Lab Number:** L2338354

Project Number: 01304 **Report Date:** 07/20/23

SAMPLE RESULTS

Lab ID: L2338354-01
Client ID: WC-001
Sample Location: 1801 ELMWOOD AVE

Date Collected: 07/06/23 07:45
Date Received: 07/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 07/12/23 01:48
Analyst: DV
Percent Solids: 97%
TCLP/SPLP Ext. Date: 07/08/23 15:00

Extraction Method: EPA 3510C
Extraction Date: 07/10/23 15:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	63		33-120

Project Name: MPC PROFILE 124901 NY RENEWAL **Lab Number:** L2338354

Project Number: 01304 **Report Date:** 07/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/11/23 19:46
Analyst: DV
TCLP/SPLP Extraction Date: 07/07/23 15:30

Extraction Method: EPA 3510C
Extraction Date: 07/10/23 15:00

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1801463-1					
Hexachlorobenzene	ND		ug/l	10	3.4
2,4-Dinitrotoluene	ND		ug/l	25	1.9
Hexachlorobutadiene	ND		ug/l	10	3.0
Hexachloroethane	ND		ug/l	10	2.2
Nitrobenzene	ND		ug/l	10	3.3
2,4,6-Trichlorophenol	ND		ug/l	25	2.5
Pentachlorophenol	ND		ug/l	50	9.8
2-Methylphenol	ND		ug/l	25	5.5
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8
2,4,5-Trichlorophenol	ND		ug/l	25	1.9
Pyridine	ND		ug/l	18	4.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	46		15-120
2,4,6-Tribromophenol	48		10-120
4-Terphenyl-d14	53		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: MPC PROFILE 124901 NY RENEWAL

Project Number: 01304

Lab Number: L2338354

Report Date: 07/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1801463-2 WG1801463-3								
Hexachlorobenzene	59		66		40-140	11		30
2,4-Dinitrotoluene	62		71		40-132	14		30
Hexachlorobutadiene	44		50		28-111	13		30
Hexachloroethane	53		57		21-105	7		30
Nitrobenzene	71		74		40-140	4		30
2,4,6-Trichlorophenol	54		60		30-130	11		30
Pentachlorophenol	60		64		9-103	6		30
2-Methylphenol	66		73		30-130	10		30
3-Methylphenol/4-Methylphenol	68		76		30-130	11		30
2,4,5-Trichlorophenol	59		63		30-130	7		30
Pyridine	48		51		10-66	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		72		21-120
Phenol-d6	63		71		10-120
Nitrobenzene-d5	66		74		23-120
2-Fluorobiphenyl	57		63		15-120
2,4,6-Tribromophenol	62		68		10-120
4-Terphenyl-d14	64		68		33-120

PCBS

Project Name: MPC PROFILE 124901 NY RENEWAL **Lab Number:** L2338354

Project Number: 01304 **Report Date:** 07/20/23

SAMPLE RESULTS

Lab ID: L2338354-01
Client ID: WC-001
Sample Location: 1801 ELMWOOD AVE

Date Collected: 07/06/23 07:45
Date Received: 07/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/09/23 11:48
Analyst: ENT
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 07/07/23 22:04
Cleanup Method: EPA 3665A
Cleanup Date: 07/08/23
Cleanup Method: EPA 3660B
Cleanup Date: 07/08/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	48.7	4.32	1	A
Aroclor 1221	ND		ug/kg	48.7	4.88	1	A
Aroclor 1232	ND		ug/kg	48.7	10.3	1	A
Aroclor 1242	ND		ug/kg	48.7	6.56	1	A
Aroclor 1248	ND		ug/kg	48.7	7.30	1	A
Aroclor 1254	ND		ug/kg	48.7	5.33	1	A
Aroclor 1260	ND		ug/kg	48.7	9.00	1	A
Aroclor 1262	ND		ug/kg	48.7	6.18	1	A
Aroclor 1268	ND		ug/kg	48.7	5.04	1	A
PCBs, Total	ND		ug/kg	48.7	4.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: MPC PROFILE 124901 NY RENEWAL **Lab Number:** L2338354

Project Number: 01304 **Report Date:** 07/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/08/23 08:11
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 07/07/23 16:03
Cleanup Method: EPA 3665A
Cleanup Date: 07/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 07/08/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1800794-1						
Aroclor 1016	ND		ug/kg	47.0	4.18	A
Aroclor 1221	ND		ug/kg	47.0	4.71	A
Aroclor 1232	ND		ug/kg	47.0	9.97	A
Aroclor 1242	ND		ug/kg	47.0	6.34	A
Aroclor 1248	ND		ug/kg	47.0	7.06	A
Aroclor 1254	ND		ug/kg	47.0	5.14	A
Aroclor 1260	ND		ug/kg	47.0	8.69	A
Aroclor 1262	ND		ug/kg	47.0	5.97	A
Aroclor 1268	ND		ug/kg	47.0	4.87	A
PCBs, Total	ND		ug/kg	47.0	4.18	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	69		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: MPC PROFILE 124901 NY RENEWAL

Project Number: 01304

Lab Number: L2338354

Report Date: 07/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1800794-2 WG1800794-3									
Aroclor 1016	84		86		40-140	2		50	A
Aroclor 1260	77		78		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		88		30-150	A
Decachlorobiphenyl	73		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		91		30-150	B
Decachlorobiphenyl	71		74		30-150	B

METALS

Project Name: MPC PROFILE 124901 NY RENEWAL **Lab Number:** L2338354

Project Number: 01304 **Report Date:** 07/20/23

SAMPLE RESULTS

Lab ID: L2338354-01 Date Collected: 07/06/23 07:45

Client ID: WC-001 Date Received: 07/06/23

Sample Location: 1801 ELMWOOD AVE Field Prep: Not Specified

Sample Depth:

Matrix: Soil TCLP/SPLP Ext. Date: 07/08/23 13:20

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.0313	J	mg/l	1.00	0.0190	1	07/10/23 16:03	07/13/23 17:35	EPA 3015	1,6010D	MRC
Barium, TCLP	0.171	J	mg/l	0.500	0.0210	1	07/10/23 16:03	07/13/23 17:35	EPA 3015	1,6010D	MRC
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/10/23 16:03	07/13/23 17:35	EPA 3015	1,6010D	MRC
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/10/23 16:03	07/13/23 17:35	EPA 3015	1,6010D	MRC
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/10/23 16:03	07/13/23 17:35	EPA 3015	1,6010D	MRC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/10/23 17:09	07/11/23 19:57	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/10/23 16:03	07/13/23 17:35	EPA 3015	1,6010D	MRC
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/10/23 16:03	07/13/23 19:01	EPA 3015	1,6010D	MRC

Project Name: MPC PROFILE 124901 NY RENEWAL **Lab Number:** L2338354

Project Number: 01304 **Report Date:** 07/20/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1801363-1										
Arsenic, TCLP	0.0190	J	mg/l	1.00	0.0190	1	07/10/23 16:03	07/13/23 17:26	1,6010D	MRC
Barium, TCLP	ND		mg/l	0.500	0.0210	1	07/10/23 16:03	07/13/23 17:26	1,6010D	MRC
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/10/23 16:03	07/13/23 17:26	1,6010D	MRC
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/10/23 16:03	07/13/23 17:26	1,6010D	MRC
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/10/23 16:03	07/13/23 17:26	1,6010D	MRC
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/10/23 16:03	07/13/23 17:26	1,6010D	MRC
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/10/23 16:03	07/13/23 18:56	1,6010D	MRC

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 07/07/23 15:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1801364-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/10/23 17:09	07/11/23 19:41	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 07/07/23 15:30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MPC PROFILE 124901 NY RENEWAL

Project Number: 01304

Lab Number: L2338354

Report Date: 07/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1801363-2								
Arsenic, TCLP	98		-		75-125	-		20
Barium, TCLP	98		-		75-125	-		20
Cadmium, TCLP	96		-		75-125	-		20
Chromium, TCLP	96		-		75-125	-		20
Lead, TCLP	87		-		75-125	-		20
Selenium, TCLP	100		-		75-125	-		20
Silver, TCLP	97		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1801364-2								
Mercury, TCLP	**147**	Q	-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: MPC PROFILE 124901 NY RENEWAL
Project Number: 01304

Lab Number: L2338354
Report Date: 07/20/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1801363-3 QC Sample: L2338892-01 Client ID: MS Sample												
Arsenic, TCLP	0.0236J	1.2	1.12	93		-	-		75-125	-		20
Barium, TCLP	0.110J	20	18.6	93		-	-		75-125	-		20
Cadmium, TCLP	ND	0.53	0.474	89		-	-		75-125	-		20
Chromium, TCLP	ND	2	1.81	90		-	-		75-125	-		20
Lead, TCLP	ND	5.3	4.33	82		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.14	95		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.461	92		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1801364-3 QC Sample: L2338892-01 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0324	**130**	Q	-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MPC PROFILE 124901 NY RENEWAL

Project Number: 01304

Lab Number: L2338354

Report Date: 07/20/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1801363-4 QC Sample: L2338892-01 Client ID: DUP Sample						
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1801363-4 QC Sample: L2338892-01 Client ID: DUP Sample						
Arsenic, TCLP	0.0236J	0.0198J	mg/l	NC		20
Barium, TCLP	0.110J	0.106J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1801364-4 QC Sample: L2338892-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: MPC PROFILE 124901 NY RENEWAL
Project Number: 01304
Lab Number: L2338354
Report Date: 07/20/23

SAMPLE RESULTS

Lab ID: L2338354-01
Client ID: WC-001
Sample Location: 1801 ELMWOOD AVE
Sample Depth:
Matrix: Soil

Date Collected: 07/06/23 07:45
Date Received: 07/06/23
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/17/23 21:29	1,1030	TLH

Project Name: MPC PROFILE 124901 NY RENEWAL
Project Number: 01304
Lab Number: L2338354
Report Date: 07/20/23

SAMPLE RESULTS

Lab ID: L2338354-01
Client ID: WC-001
Sample Location: 1801 ELMWOOD AVE
Sample Depth:
Matrix: Soil

Date Collected: 07/06/23 07:45
Date Received: 07/06/23
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	97.4		%	0.100	NA	1	-	07/08/23 11:33	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: MPC PROFILE 124901 NY RENEWAL

Project Number: 01304

Lab Number: L2338354

Report Date: 07/20/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1800900-1 QC Sample: L2338947-01 Client ID: DUP Sample						
Solids, Total	89.6	90.3	%	1		20

Project Name: MPC PROFILE 124901 NY RENEWAL
Project Number: 01304

Lab Number: L2338354
Report Date: 07/20/23

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(*)
L2338354-01A	Plastic 60ml unpreserved	A	NA		4.1	Y	Absent		TS(7)
L2338354-01B	Vial Large Septa unpreserved (4oz)	A	NA		4.1	Y	Absent		TCLP-EXT-ZHE(14)
L2338354-01C	Glass 500ml/16oz unpreserved	A	NA		4.1	Y	Absent		IGNIT-1030(14),NYTCL-8082(365)
L2338354-01W	Amber 1000ml unpreserved Extracts	A	NA		4.1	Y	Absent		TCLP-8270(14)
L2338354-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2338354-01X9	Tumble Vessel	A	NA		4.1	Y	Absent		-
L2338354-01Y	Vial unpreserved Extracts	A	NA		4.1	Y	Absent		TCLP-VOA(14)
L2338354-01Z	Vial unpreserved Extracts	A	NA		4.1	Y	Absent		TCLP-VOA(14)

*Values in parentheses indicate holding time in days

Project Name:	MPC PROFILE 124901 NY RENEWAL	**Lab Number:**	L2338354
Project Number:	01304	**Report Date:**	07/20/23

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	MPC PROFILE 124901 NY RENEWAL	**Lab Number:**	L2338354
Project Number:	01304	**Report Date:**	07/20/23

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

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	MPC PROFILE 124901 NY RENEWAL	**Lab Number:**	L2338354
Project Number:	01304	**Report Date:**	07/20/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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 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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	MPC PROFILE 124901 NY RENEWAL	**Lab Number:**	L2338354
Project Number:	01304	**Report Date:**	07/20/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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: 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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

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, EPA 537.1.

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 — 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: 7/7/23

ALPHA Job #: L2338854

Client Information

Client: ENV ADVANTAGE INC
Address: 3636 N. Buffalo rd
Orchard Park NY 14127
Phone: 716 667 3120
Fax: 716 667 3156
Email: mhanna@envadvantage.com

Project Information

Project Name: MPC Profile 124901 NY Renewal
Project Location: 1801 Elmwood Ave
Project # 01304
(Use Project name as Project #) ☐
Project Manager: Mark Hanna + Mary Szustak
ALPHAQuote #:

Turn-Around Time

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Also EMAIL results to labresults@envadvantage.com

Please specify Metals or TAL.

Deliverables

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

Regulatory Requirement

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

Billing Information

☐ Same as Client Info
PO # 01304

Disposal Site Information

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

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	XTCLP ABN compounds	XPCBs	XTCLP METALS	XIGNITABILITY	XTotal Solids	XTCLP Volatile organics			Sample Specific Comments
38354-01	WC-001	7/6/23	0745	SO	CS	X	X	X	X	X	X			

Container Type: A A A A P A
Preservative: A A A 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
Collin Snyder	7/6/23 1070	[signature] AAL	7/6/23 10:20
[signature] AAL	7/6/23 11:35	[signature]	7/7/23 0110

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)

Waste Management Chaffee LF
10860 Olean Rd
Chaffee, NY, 14030
Ph: (716) 496-5000

Reprint
Ticket# 757596

Customer Name	ENVIRONMENTALADVANTAGE-124901	Carrier	KR K&R DAY TRUCKING		
Ticket Date	07/27/2023	Vehicle#	36	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver			
Hauling Ticket#		Check#			
Route		Billing #	0005315		
State Waste Code		Gen EPA ID	NOT REQUIRED		
Manifest	8044857				
Destination					
PO	01304				
Profile	124901NY (NON HAZARDOUS SOIL MIXED WITH SOME URBAN FILL)				
Generator	190-MODPAC MOD PAC				

	Time	Scale	Operator	Inbound		
In	07/27/2023 10:29:09	INBOUND	JChapma7		Gross	67780 lb
Out	07/27/2023 10:29:09		JChapma7		Tare	28620 lb
					Net	39160 lb
					Tons	19.58

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	19.58	Tons				ERI

Total Fees
Total Ticket

Driver`s Signature _____OL1H8-1600

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1	

3. Generator's Mailing Address:
MOD-PAC C/O ~~HAZARD EVALUATIONS~~ Environmental Adv ATTN:
~~MICHELE WITTMAN~~ Mark, Hanna
3636 N. BUFFALO RD.
ORCHARD PARK, NY 14033
4. Generator's Phone 716-667-3130

Generator's Site Address (If different than mailing):
MOD-PAC
1801 ELMWOOD AVE.
BUFFALO, NY 14207
BCP C915314

A. Manifest Number WMNA 8044857
B. State Generator's ID

5. Transporter 1 Company Name K+R Day
6. US EPA ID Number
C. State Transporter's ID
D. Transporter's Phone 716-655-0000

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
WM OF NEW YORK AT CHAFFEE LANDFILL
10860 OLEAN RD.
CHAFFEE, NY 14030
10. US EPA ID Number
G. State Facility ID
H. State Facility Phone 716-496-5192

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON DOT REGULATED MATERIAL WM Profile # ~~124901 NY~~ 124901 NY	1	DT	CST 21	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
~~124901 NY~~ – METALS IMPACTED SOIL
WEIGHT IS ESTIMATED
124901 NY
Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature	Month	Day	Year
Ryan Deck		07	29	23

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	~~Month~~	Day	~~Year~~
		7	27	23

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Waste Management Chaffee LF
10860 Olean Rd
Chaffee, NY, 14030
Ph: (716) 496-5000

Reprint
Ticket# 757614

Customer Name	ENVIRONMENTALADVANTAGE-124901	Carrier	OAKS OAKS CONST	
Ticket Date	07/27/2023	Vehicle#	18	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0005315	
State Waste Code		Gen EPA ID	NOT REQUIRED	
Manifest	12890081			
Destination				
PO	01304			
Profile	124901NY (NON HAZARDOUS SOIL MIXED WITH SOME URBAN FILL)			
Generator	190-MODPAC MOD PAC			

	Time	Scale	Operator	Inbound		
In	07/27/2023 11:32:45	INBOUND	JChapma7		Gross	60500 lb
Out	07/27/2023 11:58:34	OUTBOUND	dpeterm3		Tare	29160 lb
					Net	31340 lb
					Tons	15.67

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	15.67	Tons				ERI

Total Fees
Total Ticket

Driver`s Signature _____OL1H8-1600

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. Manifest Doc No.	2. Page 1 of 1	

3. Generator's Mailing Address:
MOD-PAC C/O ENVIRONMENTAL ADVANTAGE, INC
ATTN: MARK HANNA
3636 NORTH BUFFALO RD.
ORCHARD PARK, NY 14127
4. Generator's Phone 716-667-3130

Generator's Site Address (If different than mailing):
MOD-PAC
1801 ELMWOOD AVE.
BUFFALO, NY 14207
BCP C915314

A. Manifest Number WMNA 12890081
B. State Generator's ID

5. Transporter 1 Company Name Oaks Dumpster Rental
6. US EPA ID Number
C. State Transporter's ID 8A-1140
D. Transporter's Phone 716-875-6257

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
WM OF NEW YORK AT CHAFFEE LANDFILL
10860 OLEAN RD.
CHAFFEE, NY 14030
10. US EPA ID Number
G. State Facility ID
H. State Facility Phone 716-496-5192

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON DOT REGULATED MATERIAL WM Profile # 124901NY	1	CM	EST 28	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
120531NY – METALS IMPACTED SOIL
WEIGHT IS ESTIMATED

Purchase Order # EMERGENCY CONTACT / PHONE NO.: 716-667-3130

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature	Month	Day	Year
Konrad Saufley		7	27	2023

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Bill Russell		7	27	23

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
				7/27/23

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

WASTE MANAGEMENT

Waste Management Chaffee LF
10860 Olean Rd
Chaffee, NY, 14030
Ph: (716) 496-5000

Reprint
Ticket# 757642

Customer Name ENVIRONMENTALADVANTAGE-124901
Ticket Date 07/27/2023
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 8044859
Destination
PO 01304
Profile 124901NY (NON HAZARDOUS SOIL MIXED WITH SOME URBAN FILL)
Generator 190-MODPAC MOD PAC

Carrier KR K&R DAY TRUCKING
Vehicle# 36
Container
Driver
Check#
Billing # 0005315
Gen EPA ID NOT REQUIRED

Volume

	Time	Scale	Operator	Inbound		
In	07/27/2023 13:34:40	INBOUND	JChapma7		Gross	39760 lb
Out	07/27/2023 13:34:40		JChapma7		Tare	28620 lb
					Net	11140 lb
					Tons	5.57

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	5.57	Tons				ERI

Total Fees
Total Ticket

Driver`s Signature _____OL1H8-1600

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Doc No. | 2. Page 1 of 1

3. Generator's Mailing Address:
~~ENVIRONMENTAL ADVANTAGE~~
MOD-PAC C/O HAZARD EVALUATIONS ATTN:
~~MICHELE WITTMAN~~ Mark Hanna
3636 N. BUFFALO RD.
ORCHARD PARK, NY 14033

4. Generator's Phone 716-667-3130

Generator's Site Address (If different than mailing):
MOD-PAC
1801 ELMWOOD AVE.
BUFFALO, NY 14207
BCP C915314

A. Manifest Number WMNA 8044859

B. State Generator's ID

5. Transporter 1 Company Name
K+R Day

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 716-655-0010

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
WM OF NEW YORK AT CHAFFEE LANDFILL
10860 OLEAN RD.
CHAFFEE, NY 14030

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 716-496-5192

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON DOT REGULATED MATERIAL WM Profile # ~~120531NY~~ 124901NY	1	DT	EST 21	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
~~120531NY~~ – METALS IMPACTED SOIL
124901 NY
WEIGHT IS ESTIMATED

Purchase Order #

EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name | Signature | Month | Day | Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed Name Ryan Deck | Signature | Month 07 | Day 27 | Year 23

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed Name | Signature | Month | Day | Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.
Printed Name | Signature | Month | Day 27 | Year 23

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Waste Management Chaffee LF
10860 Olean Rd
Chaffee, NY, 14030
Ph: (716) 496-5000

Reprint
Ticket# 757658

Customer Name ENVIRONMENTALADVANTAGE-124901
Ticket Date 07/27/2023
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 12890080
Destination
PO 01304
Profile 124901NY (NON HAZARDOUS SOIL MIXED WITH SOME URBAN FILL)
Generator 190-MODPAC MOD PAC

Carrier OAKS OAKS CONST
Vehicle# 18
Container
Driver
Check#
Billing # 0005315
Gen EPA ID NOT REQUIRED

Volume

	Time	Scale	Operator	Inbound		
In	07/27/2023 14:25:27	INBOUND	JChapma7		Gross	61600 lb
Out	07/27/2023 14:47:09	OUTBOUND	JChapma7		Tare	28860 lb
					Net	32740 lb
					Tons	16.37

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	16.37	Tons				ERI

Total Fees
Total Ticket

Driver`s Signature _____OL1H8-1600

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1	

3. Generator's Mailing Address:
MOD-PAC C/O ENVIRONMENTAL ADVANTAGE, INC
ATTN: MARK HANNA
3636 NORTH BUFFALO RD.
ORCHARD PARK, NY 14127
4. Generator's Phone 716-667-3130

Generator's Site Address (If different than mailing):
MOD-PAC
1801 ELMWOOD AVE.
BUFFALO, NY 14207
BCP C915314

A. Manifest Number **WMNA** 12890080
B. State Generator's ID

5. Transporter 1 Company Name Oaks Dumpster Rental
6. US EPA ID Number
C. State Transporter's ID 8A-1140
D. Transporter's Phone 716-875-6257

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
WM OF NEW YORK AT CHAFFEE LANDFILL
10860 OLEAN RD.
CHAFFEE, NY 14030
10. US EPA ID Number
G. State Facility ID
H. State Facility Phone 716-496-5192

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON DOT REGULATED MATERIAL WM Profile # 124901NY	1	CM	EST 23	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
120531NY – METALS IMPACTED SOIL
WEIGHT IS ESTIMATED

Purchase Order # EMERGENCY CONTACT / PHONE NO.: 716-667-3130

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature	Month	Day	Year
Konrad Sontag		7	27	2023

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Bill [redacted] Sontag (Oaks)		7	27	23

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		7	27	23

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Waste Management Chaffee LF
10860 Olean Rd
Chaffee, NY, 14030
Ph: (716) 496-5000

Reprint
Ticket# 758222

Customer Name ENVIRONMENTALADVANTAGE-124901
Ticket Date 08/02/2023
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 12890079
Destination
PO 01304
Profile 124901NY (NON HAZARDOUS SOIL MIXED WITH SOME URBAN FILL)
Generator 190-MODPAC MOD PAC

Carrier OAKS OAKS CONST
Vehicle# 8
Container
Driver
Check#
Billing # 0005315
Gen EPA ID NOT REQUIRED

Volume

	Time	Scale	Operator	Inbound		
In	08/02/2023 09:14:14	INBOUND	mbaker13		Gross	56340 lb
Out	08/02/2023 09:43:44	OUTBOUND	mbaker13		Tare	27800 lb
					Net	28540 lb
					Tons	14.27

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	14.27	Tons				ERI

Total Fees
Total Ticket

Driver`s Signature _____OL1H8-1600

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. Manifest Doc No.	2. Page 1 of 1	

3. Generator's Mailing Address:
MOD-PAC C/O ENVIRONMENTAL ADVANTAGE, INC
ATTN: MARK HANNA
3636 NORTH BUFFALO RD.
ORCHARD PARK, NY 14127
4. Generator's Phone 716-667-3130

Generator's Site Address (If different than mailing):
MOD-PAC
1801 ELMWOOD AVE.
BUFFALO, NY 14207
BCP C915314

A. Manifest Number **WMNA** 12890079
B. State Generator's ID

5. Transporter 1 Company Name Oaks Dumpster Rental
6. US EPA ID Number
C. State Transporter's ID 8A-1140
D. Transporter's Phone 716-875-6257

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
WM OF NEW YORK AT CHAFFEE LANDFILL
10860 OLEAN RD.
CHAFFEE, NY 14030
10. US EPA ID Number
G. State Facility ID
H. State Facility Phone 716-496-5192

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON DOT REGULATED MATERIAL WM Profile # 124901NY	1	CM	EST 28	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
120531NY – METALS IMPACTED SOIL
WEIGHT IS ESTIMATED

Purchase Order # EMERGENCY CONTACT / PHONE NO.: 716-667-3130

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature	Month	Day	Year
Konrad Sontag		8	2	23

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Bill Insull		8	2	23

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest. 758222

Printed Name	Signature	Month	Day	Year
M. Baker	M. Baker	8	2	23

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Waste Management Chaffee LF
10860 Olean Rd
Chaffee, NY, 14030
Ph: (716) 496-5000

Reprint
Ticket# 758264

Customer Name ENVIRONMENTALADVANTAGE-124901
Ticket Date 08/02/2023
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 12909026
Destination
PO 01304
Profile 124901NY (NON HAZARDOUS SOIL MIXED WITH SOME URBAN FILL)
Generator 190-MODPAC MOD PAC

Carrier OAKS OAKS CONST
Vehicle# 8
Container
Driver
Check#
Billing # 0005315
Gen EPA ID NOT REQUIRED

Volume

	Time	Scale	Operator	Inbound		
In	08/02/2023 12:07:42	INBOUND	dpeterm3		Gross	58180 lb
Out	08/02/2023 12:33:31	OUTBOUND	dpeterm3		Tare	27440 lb
					Net	30740 lb
					Tons	15.37

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	15.37	Tons				ERI

Total Fees
Total Ticket

Driver`s Signature _____OL1H8-1600

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1	

3. Generator's Mailing Address:
MOD-PAC C/O ENVIRONMENTAL ADVANTAGE, INC
ATTN: MARK HANNA
3636 NORTH BUFFALO RD.
ORCHARD PARK, NY 14127
4. Generator's Phone 716-667-3130

Generator's Site Address (If different than mailing):
MOD-PAC
1801 ELMWOOD AVE.
BUFFALO, NY 14207
BCP C915314

A. Manifest Number **WMNA** 12909026
B. State Generator's ID

5. Transporter 1 Company Name Oaks Dumpster Rental
6. US EPA ID Number
C. State Transporter's ID 8A-1140
D. Transporter's Phone 716-875-6257

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
WM OF NEW YORK AT CHAFFEE LANDFILL
10860 OLEAN RD.
CHAFFEE, NY 14030
10. US EPA ID Number
G. State Facility ID
H. State Facility Phone 716-496-5192

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON DOT REGULATED MATERIAL WM Profile # 124901NY	1	CM	EST 18	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
124901NY – NH Soil
WEIGHT IS ESTIMATED

Purchase Order # EMERGENCY CONTACT / PHONE NO.: 716-667-3130

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature	Month	Day	Year
Konrad Sontag		8	2	23

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Ben Lemon	Bill Russell	8	2	23

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
D Peterman		8	2	23

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Waste Management Chaffee LF
10860 Olean Rd
Chaffee, NY, 14030
Ph: (716) 496-5000

Reprint
Ticket# 758762

Customer Name ENVIRONMENTALADVANTAGE-124901
Ticket Date 08/08/2023
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 12909028
Destination
PO 01304
Profile 124901NY (NON HAZARDOUS SOIL MIXED WITH SOME URBAN FILL)
Generator 190-MODPAC MOD PAC

Carrier OAKS OAKS CONST
Vehicle# 18
Container
Driver
Check#
Billing # 0005315
Gen EPA ID NOT REQUIRED

Volume

	Time	Scale	Operator	Inbound		
In	08/08/2023 08:58:38	INBOUND	JChapma7		Gross	38060 lb
Out	08/08/2023 09:17:40	OUTBOUND	JChapma7		Tare	28640 lb
					Net	9420 lb
					Tons	4.71

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	4.71	Tons				ERI

Total Fees
Total Ticket

Driver`s Signature _____OL1H8-1600

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1	

3. Generator's Mailing Address:
MOD-PAC C/O ENVIRONMENTAL ADVANTAGE, INC
ATTN: MARK HANNA
3636 NORTH BUFFALO RD.
ORCHARD PARK, NY 14127
4. Generator's Phone 716-667-3130

Generator's Site Address (If different than mailing):
MOD-PAC
1801 ELMWOOD AVE.
BUFFALO, NY 14207
BCP C915314

A. Manifest Number: WMNA 12909028
B. State Generator's ID:

5. Transporter 1 Company Name: Oaks Dumpster Rental
6. US EPA ID Number:
C. State Transporter's ID: SA-1140
D. Transporter's Phone: 716-875-0257

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
WM OF NEW YORK AT CHAFFEE LANDFILL
10860 OLEAN RD.
CHAFFEE, NY 14030
10. US EPA ID Number:
G. State Facility ID:
H. State Facility Phone: 716-496-5192

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON DOT REGULATED MATERIAL WM Profile # 124901NY	1	CM	EST 18	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
124901NY – NH Soil
WEIGHT IS ESTIMATED

Purchase Order #
EMERGENCY CONTACT / PHONE NO.: 716-667-3130

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature	Month	Day	Year
Konrad Sontag		8	8	23

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Paul Flowers	Paul Flowers	8	8	23

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		8	8	23

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Swift River Associates, Inc.

4051 RIVER ROAD
TONAWANDA, NEW YORK 14150
SCALE: (716) 875-0902 FAX: (716) 875-0088

Recycled Crushed Concrete Products

458 60
218 60
18000
9.00 ton

TIPPING FEE CHARGES

CUSTOMER NAME Lehigh

TICKET # 108097

DATE 7/6/23

TIME 10:15am

JOB # 1801 Elmwood Ave

CUSTOMER P.O. #

☐ SINGLE AXLE ☐ TANDEM ☐ TRACTOR ☑ ROLL-OFF 125

PRODUCT CONCRETE / BLACKTOP / STONE TO DUMP

LOCATION: ☐ RIVER RD. ☐ LANCASTER ☐ NIAGARA FALLS

WEIGHMASTERS: S.RAWE / E. RAWE
N.Y.S. LICENSE #140331 / 501381

TRUCK NO. 21 TRUCKING CO.: Lehigh Oaks

TRUCKER'S SIGNATURE

~~Swift River Associates, Inc.~~

~~4051 RIVER ROAD TONAWANDA, NEW YORK 14150~~ 551 PAVEMENT RD. LANCASTER, NEW YORK 14086
~~SCALE: (716) 875-0902 FAX: (716) 875-0088~~

~~Recycled Crushed Concrete Products~~
~~WE ACCEPT CLEAN BROKEN CONCRETE & ASPHALT AT BOTH LOCATIONS.~~

~~Delivery Available~~

CUSTOMER # Lehigh 866-649-6257

CUSTOMER NAME (Oaks Dumpster Rental)

TICKET# S 424359

DATE 08/14/2023

TIME 10:59AM

JOB #

SHIP TO

CUSTOMER P.O. #

GROSS ~~45760 lb~~ ~~25960 lb PT~~ 28280

TARE ~~19800 lb~~ 17480

NET ~~9.90 TN~~ 8.74 TON

Roll off

PRODUCT Concrete to Dump SITE

WEIGHMASTERS: S.RAWE / E.RAWE
N.Y.S. LICENSE #140331 / 501381

WEIGHED BY SR

TRUCK NO. 18 TRUCKING CO.: Oaks

~~TRUCKER'S SIGNATURE~~

SR
SCALE

F4

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Commercial or Industrial Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 50-100

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? yes

Does it contain less than 10%, by weight, material that would pass a size 10 sieve? yes

Does it contain less than 10%, by weight, material that would pass a size 100 sieve? yes

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Material is Virgin 2-inch Crushed Limestone Subbase material, supplied from a commercial source, New Enterprise Stone & Lime Co., Inc., Wehrle Drive quarry. Applicable Sieve Analysis and Proctor are attached. Samples are not required for virgin stone as per DER-10.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Lehigh Construction, Marc Irace (customer to NESL)

Location where fill was obtained:

8615 Wehrle Dr, Williamsville, NY 14221

Identification of any state or local approvals as a fill source:

NYSDOT Approved Source

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Sieve and Proctor for pre-approved stockpile 5-3R

The information provided on this form is accurate and complete.

Mary Szusatk Digitally signed by Mary Szusatk Date: 2023.10.16 13:35:00 -04'00'

Signature

10/16/2023

Date

Mary Szustak

Print Name

Environmental Advantage, Inc.

Firm

CME Associates, Inc.

2727 Broadway St., Suite 2
Cheektowaga, New York 14227
(716) 877-9577
(716) 877-9629 (Fax)

www.cmeassociates.com

LAB REPORT SUMMARY

PROJECT: NESL Source Pre-Qual
CLIENT: NESL
DATE: 08/15/2023

REPORT NO.: 17330L-14
REPRESENTATIVE: Austin Glasier

This CME Associates, Inc representative performed a sieve analysis and moisture density test (Modified Proctor) on a 2" R.O.C. sample BL3223 sampled by client representative and delivered to CME's Buffalo laboratory on 08/03/2023. Tests were performed in accordance with ASTM Standards C136, C117, and D1557.
The following table distinguishes your sample from some common NYSDOT items:

Sample No.:	Location:
BL3223	NESL Wehrle Dr. 5-3R

MECHANICAL ANALYSIS (ASTM C136, C117)

Sieve Size	Percent Passing by Weight Sample BL3223	Item 304.14 Subbase Type IV	Item 304.13 Subbase Type III	Item 304.12 Subbase Type II	Item 203.7 Select Granular Fill
4"	100		100		100
2"	100	100		100	
1"	93				
3/4"	85				
1/2"	68				
3/8"	58				
1/4"	47	30-65	30-75	25-60	
No. 4	42				
No. 10	27				
No. 40	12	5-40	5-40	5-40	0-70
No. 80	8				
No. 200	7.3	0-10	0-10	0-10	0-15

CLASSIFICATION

Gray cmf Gravel and cmf Sand; trace Silt/Clay

LABORATORY MOISTURE-DENSITY RELATIONSHIP (ASTM D1557)

Corrected Maximum Dry Density	=	**141.8**	**Pcf**
Corrected Optimum Moisture Content	=	**6.3**	**%**

It is recommended the engineer of record review and comment on the use of this material. Please see attached documents for lab test results.
Feel free to contact this office should you have any questions.

CME Associates, Inc.

2727 Broadway Ave, Suite #2
Buffalo, New York 14227
(716) 877-9577
(716) 877-9629 (Fax)

www.cmeassociates.com

LABORATORY TEST SUMMARY
NESL
NESL Source Pre-Qual
CME Report Number: 17330L-14
8/15/2023

The CME Associates Representative obtained a sample at the above referenced project. The sample was delivered to CME's Buffalo facility, an AASHTO[1] accredited laboratory, for a Particle Size Analysis and a Moisture Density Relationship determination. The results are as follow:

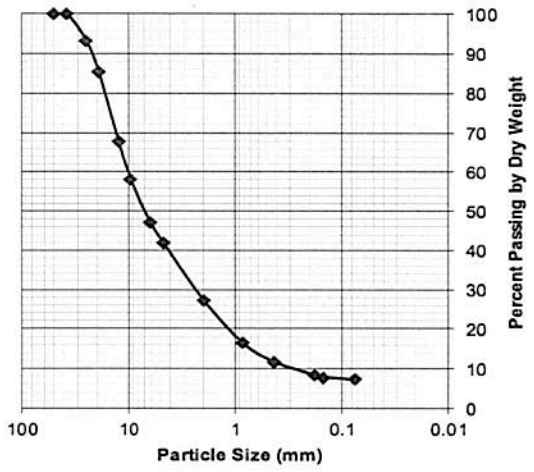
1) Material Identification

Sample #	Date Sampled	Classification	Source
BL3223	08/03/23	Gray cmf Gravel and cmf Sand; trace Silt/Clay	5-3R NESL Wehrle Dr.

2) Particle Size Analysis ASTM C136/C117

Sieve Size	Sieve Size (mm)	% Passing by Dry Weight Sample # BL3223
2"	50	100
1-1/2'	37.5	100
1"	25	93
3/4"	19	85
1/2"	12.5	68
3/8"	9.50	58
1/4"	6.25	47
#4	4.75	42
#10	2.00	27
#20	0.850	16
#40	0.425	12
#80	0.180	8
#100	0.150	8
#200	0.075	7

Grain Size Distribution



3) Moisture-Density Relationsh (ASTM D-1557: Modified Proctor)

	Sample # BL3223
Corrected Maximum Dry Density (pcf)	= **141.8**
Corrected Optimum Moisture Content (%)	= **6.3**
Oversized Particles, Percent by Weight (%)	= **15** *

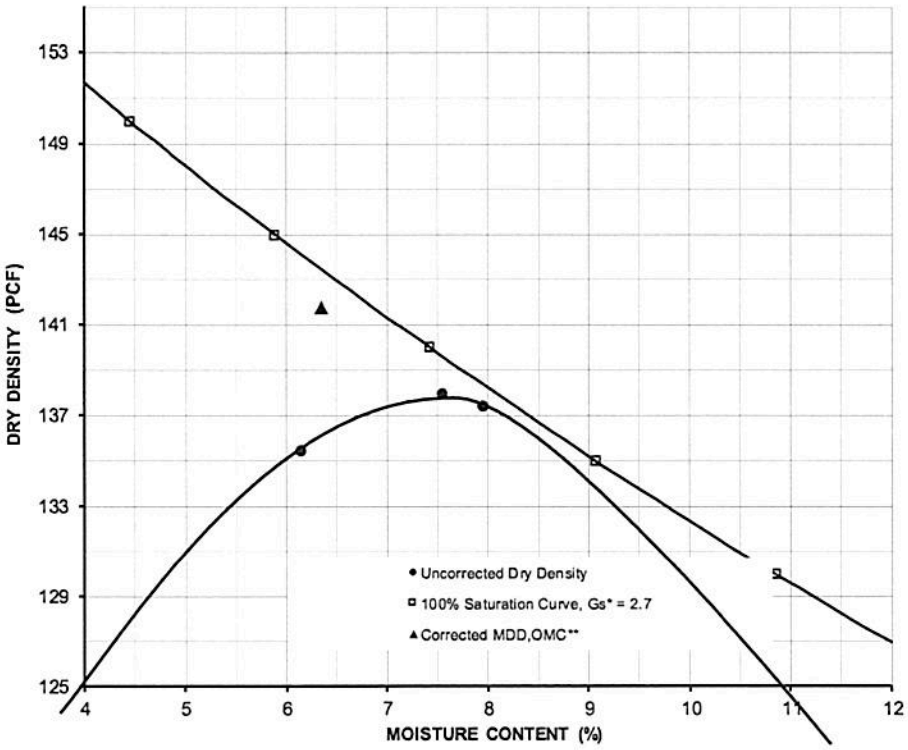
* Particles retained on 3/4-inch sieve

[1]AASHTO - American Association of State Highway & Transportation Officials (AASHTO) Materials Reference Laboratory. CME Buffalo accreditation includes tests of Portland Cement Concrete, Aggregate and Soil Materials. www.aashtoresource.org

LABORATORY TEST SUMMARY
NESL
NESL Source Pre-Qual
CME Report Number: 17330L-14

SAMPLE LOCATION:	**5-3R NESL Wehrle Dr.**	DATE SAMPLED:	**8/3/23**
SOIL CLASSIFICATION:	**Gray cmf Gravel and cmf Sand; trace Silt/Clay**	SAMPLE NO.:	**BL3223**

Moisture - Density Relationship Curve



Particle Size Analysis ASTM C136

Sieve Size	% Passing
2"	100
1-1/2"	100
1"	93
3/4"	85
1/2"	68
3/8"	58
1/4"	47
No.4	42
No.10	27
No.20	16
No.40	12
No.80	8
No.100	8
No.200	7

Test Procedure Information

Test Method	☑ ASTM D-1557 (Modified)		☐ ASTM D-698
Procedure Used	☐ A	☐ B	☑ C
Preparation Method	☐ Dry	☑ Moist	
Description of Rammer	☐ Manual	☑ Mechanical	

Test Results

Corrected MDD (PCF) = **141.8**
Corrected OMC (%) = **6.3**

Oversize Fraction by Dry Weight
15 % Retained on ☐ No.4 Sieve ☐ 3/8" Sieve ☑ 3/4" Sieve

* Specific Gravity, estimated
** MDD = Maximum Dry Density, OMC = Optimum Moisture Content
Please feel free to contact our office if you have any questions.

Austin Glasier
Supervising Laboratory Technician

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY

North Dust Data

18-Oct-23

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152906
Firmware Version	3.1
Calibration Date	4/11/2023
Test Name	TEST 1_008
Test Start Time	8:05:09 AM
Test Start Date	10/18/2023
Test Length [D:H:M]	0:06:34
Test Interval [M:S]	0:04
Mass Average [mg/m3]	0.035
Mass Minimum [mg/m3]	0.023
Mass Maximum [mg/m3]	3.91
Mass TWA [mg/m3]	0.029
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	5911

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
4	0.035		
8	0.025		
12	0.039		
16	0.026		
20	0.025		
24	0.025		
28	3.91		
32	0.313		
36	0.026		
40	0.025		
44	0.027		
48	0.056		
52	0.026		
56	0.024		
60	0.025		
64	0.028		
68	0.027		
72	0.026		
76	0.026		
80	0.027		

84	0.026
88	0.026
92	0.025
96	0.026
100	0.026
104	0.025
108	0.025
112	0.025
116	0.025
120	0.027
124	0.025
128	0.026
132	0.025
136	0.026
140	0.032
144	0.025
148	0.025
152	0.026
156	0.026
160	0.025
164	0.025
168	0.025
172	0.025
176	0.026
180	0.027
184	0.028
188	0.025
192	0.025
196	0.026
200	0.028
204	0.035
208	0.038
212	0.037
216	0.038
220	0.04
224	0.04
228	0.039
232	0.039
236	0.039
240	0.039
244	0.04
248	0.04
252	0.04
256	0.04

260	0.039
264	0.041
268	0.04
272	0.041
276	0.04
280	0.04
284	0.04
288	0.043
292	0.041
296	0.04
300	0.041
304	0.041
308	0.041
312	0.04
316	0.041
320	0.04
324	0.041
328	0.041
332	0.041
336	0.041
340	0.042
344	0.041
348	0.04
352	0.04
356	0.042
360	0.041
364	0.041
368	0.04
372	0.041
376	0.04
380	0.04
384	0.04
388	0.041
392	0.039
396	0.041
400	0.04
404	0.039
408	0.042
412	0.04
416	0.04
420	0.04
424	0.04
428	0.041
432	0.039

436	0.04
440	0.039
444	0.039
448	0.042
452	0.04
456	0.04
460	0.039
464	0.04
468	0.04
472	0.041
476	0.04
480	0.04
484	0.04
488	0.04
492	0.039
496	0.04
500	0.04
504	0.04
508	0.041
512	0.039
516	0.041
520	0.04
524	0.039
528	0.039
532	0.04
536	0.04
540	0.04
544	0.048
548	0.05
552	0.04
556	0.04
560	0.039
564	0.04
568	0.039
572	0.04
576	0.04
580	0.041
584	0.04
588	0.04
592	0.038
596	0.04
600	0.039
604	0.039
608	0.039

612	0.04
616	0.039
620	0.041
624	0.04
628	0.041
632	0.039
636	0.041
640	0.041
644	0.041
648	0.039
652	0.039
656	0.039
660	0.039
664	0.039
668	0.04
672	0.041
676	0.04
680	0.041
684	0.04
688	0.041
692	0.042
696	0.04
700	0.04
704	0.042
708	0.041
712	0.039
716	0.04
720	0.04
724	0.039
728	0.039
732	0.039
736	0.04
740	0.041
744	0.041
748	0.04
752	0.041
756	0.041
760	0.039
764	0.039
768	0.04
772	0.038
776	0.039
780	0.041
784	0.041

788	0.053
792	0.039
796	0.042
800	0.046
804	0.047
808	0.047
812	0.044
816	0.045
820	0.042
824	0.041
828	0.042
832	0.042
836	0.043
840	0.042
844	0.042
848	0.04
852	0.04
856	0.042
860	0.042
864	0.042
868	0.041
872	0.041
876	0.043
880	0.042
884	0.043
888	0.042
892	0.044
896	0.041
900	0.042
904	0.043
908	0.042
912	0.044
916	0.043
920	0.042
924	0.042
928	0.04
932	0.042
936	0.044
940	0.042
944	0.042
948	0.042
952	0.041
956	0.043
960	0.042

964	0.042
968	0.041
972	0.042
976	0.043
980	0.04
984	0.043
988	0.041
992	0.042
996	0.043
1000	0.042
1004	0.042
1008	0.04
1012	0.041
1016	0.042
1020	0.043
1024	0.041
1028	0.044
1032	0.043
1036	0.043
1040	0.044
1044	0.042
1048	0.044
1052	0.049
1056	0.042
1060	0.042
1064	0.044
1068	0.043
1072	0.042
1076	0.042
1080	0.043
1084	0.042
1088	0.041
1092	0.043
1096	0.043
1100	0.043
1104	0.041
1108	0.043
1112	0.042
1116	0.042
1120	0.042
1124	0.041
1128	0.041
1132	0.042
1136	0.042

1140	0.042
1144	0.043
1148	0.04
1152	0.041
1156	0.041
1160	0.042
1164	0.041
1168	0.04
1172	0.041
1176	0.041
1180	0.041
1184	0.042
1188	0.043
1192	0.04
1196	0.042
1200	0.04
1204	0.041
1208	0.039
1212	0.039
1216	0.039
1220	0.042
1224	0.041
1228	0.041
1232	0.042
1236	0.042
1240	0.042
1244	0.042
1248	0.042
1252	0.041
1256	0.041
1260	0.039
1264	0.04
1268	0.04
1272	0.038
1276	0.039
1280	0.041
1284	0.04
1288	0.038
1292	0.04
1296	0.038
1300	0.04
1304	0.038
1308	0.04
1312	0.04

1316	0.04
1320	0.04
1324	0.041
1328	0.04
1332	0.042
1336	0.041
1340	0.042
1344	0.04
1348	0.041
1352	0.038
1356	0.04
1360	0.039
1364	0.039
1368	0.041
1372	0.039
1376	0.037
1380	0.039
1384	0.041
1388	0.04
1392	0.039
1396	0.04
1400	0.04
1404	0.039
1408	0.04
1412	0.041
1416	0.039
1420	0.04
1424	0.041
1428	0.04
1432	0.04
1436	0.044
1440	0.041
1444	0.042
1448	0.041
1452	0.043
1456	0.043
1460	0.042
1464	0.042
1468	0.044
1472	0.043
1476	0.042
1480	0.042
1484	0.043
1488	0.042

1492	0.044
1496	0.044
1500	0.044
1504	0.042
1508	0.043
1512	0.045
1516	0.046
1520	0.044
1524	0.043
1528	0.043
1532	0.045
1536	0.045
1540	0.04
1544	0.045
1548	0.041
1552	0.042
1556	0.043
1560	0.042
1564	0.043
1568	0.045
1572	0.045
1576	0.043
1580	0.044
1584	0.044
1588	0.041
1592	0.043
1596	0.043
1600	0.044
1604	0.043
1608	0.045
1612	0.044
1616	0.044
1620	0.043
1624	0.044
1628	0.045
1632	0.047
1636	0.045
1640	0.047
1644	0.046
1648	0.048
1652	0.047
1656	0.047
1660	0.048
1664	0.046

1668	0.049
1672	0.044
1676	0.045
1680	0.044
1684	0.042
1688	0.044
1692	0.047
1696	0.046
1700	0.045
1704	0.046
1708	0.044
1712	0.05
1716	0.046
1720	0.045
1724	0.046
1728	0.046
1732	0.044
1736	0.047
1740	0.045
1744	0.044
1748	0.045
1752	0.045
1756	0.044
1760	0.046
1764	0.046
1768	0.045
1772	0.044
1776	0.045
1780	0.045
1784	0.044
1788	0.044
1792	0.043
1796	0.045
1800	0.044
1804	0.042
1808	0.048
1812	0.045
1816	0.042
1820	0.043
1824	0.042
1828	0.044
1832	0.045
1836	0.047
1840	0.045

1844	0.045
1848	0.043
1852	0.045
1856	0.045
1860	0.044
1864	0.044
1868	0.043
1872	0.047
1876	0.044
1880	0.045
1884	0.044
1888	0.045
1892	0.044
1896	0.21
1900	0.049
1904	0.042
1908	0.044
1912	0.043
1916	0.044
1920	0.042
1924	0.044
1928	0.044
1932	0.045
1936	0.043
1940	0.042
1944	0.044
1948	0.043
1952	0.043
1956	0.044
1960	0.043
1964	0.043
1968	0.043
1972	0.044
1976	0.045
1980	0.044
1984	0.043
1988	0.043
1992	0.043
1996	0.046
2000	0.047
2004	0.041
2008	0.041
2012	0.043
2016	0.043

2020	0.044
2024	0.043
2028	0.045
2032	0.041
2036	0.044
2040	0.044
2044	0.044
2048	0.044
2052	0.043
2056	0.044
2060	0.044
2064	0.042
2068	0.042
2072	0.041
2076	0.041
2080	0.041
2084	0.04
2088	0.044
2092	0.042
2096	0.042
2100	0.041
2104	0.041
2108	0.042
2112	0.04
2116	0.041
2120	0.043
2124	0.041
2128	0.04
2132	0.041
2136	0.044
2140	0.042
2144	0.041
2148	0.042
2152	0.043
2156	0.04
2160	0.042
2164	0.042
2168	0.042
2172	0.041
2176	0.041
2180	0.041
2184	0.04
2188	0.041
2192	0.042

2196	0.042
2200	0.042
2204	0.042
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2292	0.042
2296	0.041
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2332	0.042
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22636	0.027
22640	0.029
22644	0.028
22648	0.027
22652	0.029
22656	0.031
22660	0.027
22664	0.029
22668	0.028
22672	0.029
22676	0.027
22680	0.027
22684	0.03
22688	0.029
22692	0.032
22696	0.03
22700	0.029
22704	0.029
22708	0.03
22712	0.029
22716	0.031
22720	0.032
22724	0.031
22728	0.037
22732	0.035
22736	0.035
22740	0.031
22744	0.032
22748	0.031
22752	0.03
22756	0.031
22760	0.032
22764	0.032
22768	0.03
22772	0.032
22776	0.032
22780	0.035
22784	0.035

22788	0.032
22792	0.034
22796	0.036
22800	0.038
22804	0.038
22808	0.039
22812	0.044
22816	0.042
22820	0.041
22824	0.043
22828	0.04
22832	0.044
22836	0.042
22840	0.041
22844	0.039
22848	0.039
22852	0.041
22856	0.038
22860	0.042
22864	0.046
22868	0.041
22872	0.037
22876	0.038
22880	0.04
22884	0.042
22888	0.039
22892	0.038
22896	0.042
22900	0.04
22904	0.04
22908	0.04
22912	0.042
22916	0.04
22920	0.039
22924	0.039
22928	0.04
22932	0.057
22936	0.054
22940	0.049
22944	0.043
22948	0.049
22952	0.048
22956	0.048
22960	0.047

22964	0.047
22968	0.041
22972	0.044
22976	0.044
22980	0.048
22984	0.04
22988	0.04
22992	0.046
22996	0.039
23000	0.038
23004	0.04
23008	0.042
23012	0.043
23016	0.039
23020	0.041
23024	0.038
23028	0.041
23032	0.04
23036	0.045
23040	0.041
23044	0.039
23048	0.042
23052	0.04
23056	0.041
23060	0.044
23064	0.041
23068	0.04
23072	0.04
23076	0.038
23080	0.036
23084	0.035
23088	0.04
23092	0.036
23096	0.037
23100	0.037
23104	0.042
23108	0.036
23112	0.034
23116	0.038
23120	0.039
23124	0.045
23128	0.038
23132	0.039
23136	0.036

23140	0.036
23144	0.037
23148	0.034
23152	0.036
23156	0.039
23160	0.039
23164	0.037
23168	0.036
23172	0.038
23176	0.037
23180	0.036
23184	0.036
23188	0.036
23192	0.038
23196	0.039
23200	0.036
23204	0.035
23208	0.036
23212	0.034
23216	0.034
23220	0.033
23224	0.036
23228	0.035
23232	0.037
23236	0.035
23240	0.039
23244	0.036
23248	0.04
23252	0.034
23256	0.034
23260	0.034
23264	0.034
23268	0.034
23272	0.035
23276	0.036
23280	0.031
23284	0.03
23288	0.031
23292	0.033
23296	0.033
23300	0.032
23304	0.033
23308	0.034
23312	0.033

23316	0.034
23320	0.032
23324	0.034
23328	0.032
23332	0.032
23336	0.033
23340	0.034
23344	0.033
23348	0.03
23352	0.034
23356	0.033
23360	0.033
23364	0.03
23368	0.039
23372	0.032
23376	0.031
23380	0.034
23384	0.031
23388	0.031
23392	0.031
23396	0.031
23400	0.03
23404	0.033
23408	0.03
23412	0.034
23416	0.034
23420	0.034
23424	0.033
23428	0.036
23432	0.029
23436	0.032
23440	0.03
23444	0.031
23448	0.031
23452	0.033
23456	0.032
23460	0.033
23464	0.034
23468	0.034
23472	0.03
23476	0.03
23480	0.034
23484	0.03
23488	0.033

23492	0.028
23496	0.033
23500	0.034
23504	0.032
23508	0.032
23512	0.032
23516	0.03
23520	0.032
23524	0.032
23528	0.033
23532	0.037
23536	0.038
23540	0.033
23544	0.032
23548	0.031
23552	0.033
23556	0.031
23560	0.031
23564	0.033
23568	0.031
23572	0.031
23576	0.031
23580	0.03
23584	0.031
23588	0.03
23592	0.03
23596	0.032
23600	0.032
23604	0.031
23608	0.032
23612	0.032
23616	0.03
23620	0.034
23624	0.035
23628	0.034
23632	0.032
23636	0.032
23640	0.032
23644	0.033

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY

South Dust Data

October 18, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530173304
Firmware Version	3.1
Calibration Date	8/9/2023
Test Name	MANUAL_002
Test Start Time	8:13:48 AM
Test Start Date	10/18/2023
Test Length [D:H:M]	0:06:30
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.04
Mass Minimum [mg/m3]	0.02
Mass Maximum [mg/m3]	1.06
Mass TWA [mg/m3]	0.033
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	390

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	1.06		
120	0.039		
180	0.033		
240	0.037		
300	0.035		
360	0.034		
420	0.034		
480	0.037		
540	0.048		
600	0.037		
660	0.034		
720	0.034		
780	0.034		
840	0.033		
900	0.033		
960	0.033		
1020	0.033		
1080	0.037		
1140	0.037		
1200	0.039		

1260	0.047
1320	0.046
1380	0.043
1440	0.042
1500	0.043
1560	0.04
1620	0.043
1680	0.044
1740	0.044
1800	0.041
1860	0.038
1920	0.038
1980	0.041
2040	0.041
2100	0.039
2160	0.038
2220	0.038
2280	0.036
2340	0.039
2400	0.041
2460	0.039
2520	0.048
2580	0.046
2640	0.042
2700	0.046
2760	0.043
2820	0.053
2880	0.05
2940	0.042
3000	0.042
3060	0.041
3120	0.042
3180	0.039
3240	0.04
3300	0.041
3360	0.041
3420	0.042
3480	0.047
3540	0.05
3600	0.045
3660	0.042
3720	0.039
3780	0.037
3840	0.038

3900	0.036
3960	0.035
4020	0.035
4080	0.035
4140	0.042
4200	0.038
4260	0.034
4320	0.033
4380	0.033
4440	0.032
4500	0.032
4560	0.034
4620	0.035
4680	0.036
4740	0.036
4800	0.036
4860	0.036
4920	0.037
4980	0.058
5040	0.052
5100	0.049
5160	0.046
5220	0.047
5280	0.044
5340	0.045
5400	0.044
5460	0.036
5520	0.033
5580	0.034
5640	0.036
5700	0.038
5760	0.036
5820	0.037
5880	0.036
5940	0.035
6000	0.035
6060	0.033
6120	0.032
6180	0.032
6240	0.036
6300	0.043
6360	0.043
6420	0.037
6480	0.031

6540	0.029
6600	0.03
6660	0.03
6720	0.031
6780	0.03
6840	0.029
6900	0.03
6960	0.029
7020	0.03
7080	0.029
7140	0.029
7200	0.028
7260	0.028
7320	0.029
7380	0.03
7440	0.029
7500	0.032
7560	0.032
7620	0.035
7680	0.038
7740	0.037
7800	0.032
7860	0.034
7920	0.031
7980	0.034
8040	0.036
8100	0.039
8160	0.041
8220	0.118
8280	0.028
8340	0.039
8400	0.035
8460	0.03
8520	0.032
8580	0.03
8640	0.026
8700	0.026
8760	0.028
8820	0.025
8880	0.025
8940	0.027
9000	0.026
9060	0.025
9120	0.045

9180	0.043
9240	0.029
9300	0.031
9360	0.031
9420	0.029
9480	0.028
9540	0.028
9600	0.028
9660	0.028
9720	0.029
9780	0.026
9840	0.027
9900	0.029
9960	0.033
10020	0.029
10080	0.028
10140	0.028
10200	0.028
10260	0.028
10320	0.028
10380	0.027
10440	0.029
10500	0.026
10560	0.046
10620	0.045
10680	0.043
10740	0.047
10800	0.063
10860	0.094
10920	0.101
10980	0.091
11040	0.088
11100	0.081
11160	0.078
11220	0.092
11280	0.088
11340	0.088
11400	0.077
11460	0.087
11520	0.087
11580	0.086
11640	0.08
11700	0.076
11760	0.08

11820	0.071
11880	0.096
11940	0.099
12000	0.076
12060	0.079
12120	0.082
12180	0.079
12240	0.085
12300	0.087
12360	0.08
12420	0.068
12480	0.072
12540	0.071
12600	0.081
12660	0.074
12720	0.071
12780	0.072
12840	0.068
12900	0.067
12960	0.061
13020	0.059
13080	0.06
13140	0.057
13200	0.05
13260	0.047
13320	0.045
13380	0.041
13440	0.042
13500	0.04
13560	0.037
13620	0.037
13680	0.037
13740	0.036
13800	0.034
13860	0.033
13920	0.033
13980	0.034
14040	0.03
14100	0.03
14160	0.03
14220	0.027
14280	0.026
14340	0.026
14400	0.025

14460	0.026
14520	0.026
14580	0.026
14640	0.028
14700	0.027
14760	0.025
14820	0.026
14880	0.027
14940	0.027
15000	0.025
15060	0.025
15120	0.025
15180	0.025
15240	0.025
15300	0.025
15360	0.025
15420	0.024
15480	0.025
15540	0.024
15600	0.024
15660	0.023
15720	0.023
15780	0.024
15840	0.025
15900	0.024
15960	0.046
16020	0.03
16080	0.037
16140	0.027
16200	0.028
16260	0.03
16320	0.029
16380	0.033
16440	0.034
16500	0.033
16560	0.035
16620	0.034
16680	0.033
16740	0.031
16800	0.033
16860	0.03
16920	0.033
16980	0.052
17040	0.04

17100	0.052
17160	0.047
17220	0.035
17280	0.029
17340	0.03
17400	0.031
17460	0.028
17520	0.028
17580	0.027
17640	0.031
17700	0.031
17760	0.03
17820	0.028
17880	0.026
17940	0.024
18000	0.025
18060	0.024
18120	0.024
18180	0.023
18240	0.024
18300	0.024
18360	0.023
18420	0.022
18480	0.022
18540	0.022
18600	0.022
18660	0.022
18720	0.022
18780	0.021
18840	0.021
18900	0.022
18960	0.021
19020	0.022
19080	0.022
19140	0.022
19200	0.023
19260	0.023
19320	0.024
19380	0.023
19440	0.024
19500	0.027
19560	0.025
19620	0.024
19680	0.024

19740	0.025
19800	0.025
19860	0.024
19920	0.026
19980	0.024
20040	0.024
20100	0.024
20160	0.025
20220	0.022
20280	0.022
20340	0.022
20400	0.021
20460	0.027
20520	0.022
20580	0.023
20640	0.021
20700	0.021
20760	0.022
20820	0.021
20880	0.021
20940	0.02
21000	0.021
21060	0.02
21120	0.02
21180	0.021
21240	0.02
21300	0.021
21360	0.021
21420	0.022
21480	0.022
21540	0.022
21600	0.023
21660	0.022
21720	0.023
21780	0.022
21840	0.023
21900	0.023
21960	0.024
22020	0.024
22080	0.026
22140	0.028
22200	0.025
22260	0.025
22320	0.03

22380	0.035
22440	0.047
22500	0.052
22560	0.047
22620	0.051
22680	0.064
22740	0.066
22800	0.053
22860	0.042
22920	0.047
22980	0.038
23040	0.034
23100	0.034
23160	0.035
23220	0.033
23280	0.032
23340	0.037
23400	0.04

Device Serial No	Log Time	Log Type	Log Interval	Sensor 1 Type	Sensor 1 Display Unit	Sensor 1 Serial Number	Sensor 1 Status	Sensor 1 Gas Reading	Sensor 1 Average Reading	Sensor 1 Last Cal	Sensor 1 Span Setpoint	Sensor 1 Span2 Setpoint	Sensor 1 High Alarm	Sensor 1 Low Alarm	Session Start Time	Session Stop Time	Firmware Version
592-600822	10/18/2023 2:27:38 PM	Readings		PID		SC23030303A9	Normal	0.2	0.2								
592-600822	10/18/2023 2:12:38 PM	Readings		PID		SC23030303A9	Normal	0.2	0.2								
592-600822	10/18/2023 1:57:38 PM	Readings		PID		SC23030303A9	Normal	0.2	0.2								
592-600822	10/18/2023 1:42:38 PM	Readings		PID		SC23030303A9	Normal	0.2	0.2								
592-600822	10/18/2023 1:27:38 PM	Readings		PID		SC23030303A9	Normal	0.2	0.2								
592-600822	10/18/2023 1:12:38 PM	Readings		PID		SC23030303A9	Normal	0.2	0.2								
592-600822	10/18/2023 12:57:38 PM	Readings		PID		SC23030303A9	Normal	0.4	0.4								
592-600822	10/18/2023 12:42:38 PM	Readings		PID		SC23030303A9	Normal	0.4	0.4								
592-600822	10/18/2023 12:27:38 PM	Readings		PID		SC23030303A9	Normal	0.6	0.6								
592-600822	10/18/2023 12:12:38 PM	Readings		PID		SC23030303A9	Normal	0.7	0.7								
592-600822	10/18/2023 11:57:38 AM	Readings		PID		SC23030303A9	Normal	0.8	0.8								
592-600822	10/18/2023 11:42:38 AM	Readings		PID		SC23030303A9	Normal	0.8	0.8								
592-600822	10/18/2023 11:27:38 AM	Readings		PID		SC23030303A9	Normal	0.5	0.5								
592-600822	10/18/2023 11:12:38 AM	Readings		PID		SC23030303A9	Normal	0.7	0.7								
592-600822	10/18/2023 10:57:38 AM	Readings		PID		SC23030303A9	Normal	0.6	0.6								
592-600822	10/18/2023 10:42:38 AM	Readings		PID		SC23030303A9	Normal	0.7	0.7								
592-600822	10/18/2023 10:27:38 AM	Readings		PID		SC23030303A9	Normal	2.3	2.3								
592-600822	10/18/2023 10:12:38 AM	Readings		PID		SC23030303A9	Normal	2.6	2.6								
592-600822	10/18/2023 9:57:38 AM	Readings		PID		SC23030303A9	Normal	2.8	2.8								
592-600822	10/18/2023 9:42:38 AM	Readings		PID		SC23030303A9	Normal	2.9	2.9								
592-600822	10/18/2023 9:27:38 AM	Readings		PID		SC23030303A9	Normal	3.2	3.2								
592-600822	10/18/2023 9:12:38 AM	Readings		PID		SC23030303A9	Normal	3.3	3.3								
592-600822	10/18/2023 8:57:38 AM	Readings		PID		SC23030303A9	Normal	2.8	2.8								
592-600822	10/18/2023 8:42:38 AM	Readings		PID		SC23030303A9	Normal	2.1	2.1								
592-600822	10/18/2023 8:27:38 AM	Readings		PID		SC23030303A9	Normal	1.7	1.7								
592-600822	10/18/2023 8:12:38 AM	Readings		PID		SC23030303A9	Normal	1.6	1.6						10/18/2023	10/18/2023	
592-600822	10/18/2023 7:57:38 AM	CONFIG	900	PID	ppm	SC23030303A9				9/5/2023	100.0	1000.0	100.0	25.0	7:57:38 AM	2:27:38 PM	V2.22A

10/20/2023

LEHIGH CONSTRUCTION 4327
S. TAYLOR ROAD
ORCHARD PARK, NY 14127

RE: MOD PAC

We are submitting the following mix design for your approval. Concrete will be batched and delivered in accordance with ASTM C-94 from one of our N.Y.S.D.O.T. approved facilities in Lancaster Orchard Park, Sanborn, and/or Springville, NY.

MIX DESIGN: 2000psi General Concrete for Tunnel Infill

MIX NUMBER: 6171066 (use this number when ordering) **ALTERNATE: 2068P20**

MATERIALS		WEIGHT PER CUBIC YARD
Cement	Cement, Type IL, ASTM C 595 & NYSDOT	320 lbs.
Slag	GGBFS, ASTM C 989 (Grade 100) & NYSDOT	80 lbs.
Stone	#1 & 2 Crushed Stone, ASTM C 33 & NYSDOT	1,780 lbs.
Sand	Sand, ASTM C-33 & NYSDOT	1,370 lbs.
Water	Potable Water	258 lbs.
Admixture	Air Entrainment, ASTM C 260	0.50 to 8.00 oz./cwt
Admixture	Water Reducer, ASTM C494	2.00 to 6.00 oz./cwt

Water/Cement Ratio	0.65
Slump:	4.0" / 8.0 " with HRWR
	6.0 " with MRWR
Air Entrainment Requirements	5 +/- 1.50%
Mid Range Water Reducer ASTM C 494 Type A&F (added upon request)	5 to 12 oz./cwt
High Range Water Reducer, ASTM C494 Type F (added upon request)	3 to 21 oz./cwt
Non Chloride Accelerator, ASTM C 494 Type C&E (added upon request)	0 to 26 oz./cwt

In accordance with American Concrete Institue; "Standard Specifications for Structural Concrete; ACI 301, United Materials requries copies of all strength test reports be forwarded to its quality control department as they become available.

I look forward to servicing you on this project. I am confident you will be please with the quality of our product and service. If I can be of further assistance in any way, please do not hesitate to contact me.

Best Regards,

Eric L. Albrecht
Technical Services Manager

ANALYTICAL REPORT

Lab Number:	L2361867
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	ROBOT WATER MANAGEMENT
Project Number:	01304
Report Date:	10/23/23

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304

Lab Number: L2361867
Report Date: 10/23/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2361867-01	TUNNEL WATER	WATER	MOD PAC CORP BUFFALO NY	10/17/23 14:15	10/18/23

Project Name:	ROBOT WATER MANAGEMENT	**Lab Number:**	L2361867
Project Number:	01304	**Report Date:**	10/23/23

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:	ROBOT WATER MANAGEMENT	**Lab Number:**	L2361867
Project Number:	01304	**Report Date:**	10/23/23

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.

The results of the BOD analysis will be issued under separate cover.

Semivolatile Organics by Method 625

The WG1842083-2 LCS recovery, associated with L2361867-01, is above the acceptance criteria for fluorene (129%); however, the associated sample is non-detect to the RL for this target analyte. 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: Caitlin Walukevich Caitlin Walukevich

Title: Technical Director/Representative Date: 10/23/23

ORGANICS

VOLATILES

Project Name: ROBOT WATER MANAGEMENT **Lab Number:** L2361867

Project Number: 01304 **Report Date:** 10/23/23

SAMPLE RESULTS

Lab ID: L2361867-01 Date Collected: 10/17/23 14:15
Client ID: TUNNEL WATER Date Received: 10/18/23
Sample Location: MOD PAC CORP BUFFALO NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 10/19/23 16:56
Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

Project Name: ROBOT WATER MANAGEMENT **Lab Number:** L2361867

Project Number: 01304 **Report Date:** 10/23/23

SAMPLE RESULTS

Lab ID: L2361867-01 Date Collected: 10/17/23 14:15

Client ID: TUNNEL WATER Date Received: 10/18/23

Sample Location: MOD PAC CORP BUFFALO NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	14		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	115		60-140
Fluorobenzene	92		60-140
4-Bromofluorobenzene	85		60-140

Project Name: ROBOT WATER MANAGEMENT **Lab Number:** L2361867

Project Number: 01304 **Report Date:** 10/23/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 10/19/23 09:16
Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1841855-4					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	ND		ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33

Project Name: ROBOT WATER MANAGEMENT **Lab Number:** L2361867

Project Number: 01304 **Report Date:** 10/23/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 10/19/23 09:16
Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1841855-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	117		60-140
Fluorobenzene	91		60-140
4-Bromofluorobenzene	81		60-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304

Lab Number: L2361867
Report Date: 10/23/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1841855-3								
Methylene chloride	100		-		60-140	-		28
1,1-Dichloroethane	100		-		50-150	-		49
Chloroform	105		-		70-135	-		54
Carbon tetrachloride	110		-		70-130	-		41
1,2-Dichloropropane	100		-		35-165	-		55
Dibromochloromethane	100		-		70-135	-		50
1,1,2-Trichloroethane	105		-		70-130	-		45
2-Chloroethylvinyl ether	110		-		1-225	-		71
Tetrachloroethene	115		-		70-130	-		39
Chlorobenzene	90		-		65-135	-		53
Trichlorofluoromethane	105		-		50-150	-		84
1,2-Dichloroethane	95		-		70-130	-		49
1,1,1-Trichloroethane	105		-		70-130	-		36
Bromodichloromethane	110		-		65-135	-		56
trans-1,3-Dichloropropene	110		-		50-150	-		86
cis-1,3-Dichloropropene	110		-		25-175	-		58
Bromoform	90		-		70-130	-		42
1,1,2,2-Tetrachloroethane	100		-		60-140	-		61
Benzene	105		-		65-135	-		61
Toluene	100		-		70-130	-		41
Ethylbenzene	95		-		60-140	-		63
Chloromethane	105		-		1-205	-		60
Bromomethane	65		-		15-185	-		61

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT

Project Number: 01304

Lab Number: L2361867

Report Date: 10/23/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1841855-3								
Vinyl chloride	95		-		5-195	-		66
Chloroethane	120		-		40-160	-		78
1,1-Dichloroethene	100		-		50-150	-		32
trans-1,2-Dichloroethene	100		-		70-130	-		45
cis-1,2-Dichloroethene	105		-		60-140	-		30
Trichloroethene	105		-		65-135	-		48
1,2-Dichlorobenzene	90		-		65-135	-		57
1,3-Dichlorobenzene	95		-		70-130	-		43
1,4-Dichlorobenzene	90		-		65-135	-		57
p/m-Xylene	88		-		60-140	-		30
o-xylene	85		-		60-140	-		30
Styrene	85		-		60-140	-		30
Acetone	128		-		40-160	-		30
Carbon disulfide	100		-		60-140	-		30
2-Butanone	134		-		60-140	-		30
Vinyl acetate	115		-		60-140	-		30
4-Methyl-2-pentanone	118		-		60-140	-		30
2-Hexanone	112		-		60-140	-		30
Acrolein	105		-		60-140	-		30
Acrylonitrile	122		-		60-140	-		60
Dibromomethane	100		-		70-130	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT

Project Number: 01304

Lab Number: L2361867

Report Date: 10/23/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1841855-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	122				60-140
Fluorobenzene	96				60-140
4-Bromofluorobenzene	82				60-140

SEMIVOLATILES

Project Name: ROBOT WATER MANAGEMENT **Lab Number:** L2361867

Project Number: 01304 **Report Date:** 10/23/23

SAMPLE RESULTS

Lab ID: L2361867-01
Client ID: TUNNEL WATER
Sample Location: MOD PAC CORP BUFFALO NY

Date Collected: 10/17/23 14:15
Date Received: 10/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 129,625.1
Analytical Date: 10/20/23 19:49
Analyst: ALS

Extraction Method: EPA 625.1
Extraction Date: 10/20/23 01:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.00	0.407	1
Benzidine[1]	ND		ug/l	20.0	12.1	1
1,2,4-Trichlorobenzene	ND		ug/l	5.00	1.49	1
Hexachlorobenzene	ND		ug/l	2.00	0.952	1
Bis(2-chloroethyl)ether	ND		ug/l	2.00	0.600	1
2-Chloronaphthalene	ND		ug/l	2.00	0.319	1
3,3'-Dichlorobenzidine	ND		ug/l	5.00	0.457	1
2,4-Dinitrotoluene	ND		ug/l	5.00	0.636	1
2,6-Dinitrotoluene	ND		ug/l	5.00	0.631	1
Azobenzene[1]	ND		ug/l	2.00	0.889	1
Fluoranthene	ND		ug/l	2.00	0.736	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.00	0.371	1
4-Bromophenyl phenyl ether	ND		ug/l	2.00	0.447	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.00	0.822	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.00	0.585	1
Hexachlorobutadiene	ND		ug/l	2.00	0.921	1
Hexachlorocyclopentadiene[1]	ND		ug/l	10.0	1.36	1
Hexachloroethane	ND		ug/l	2.00	0.973	1
Isophorone	ND		ug/l	5.00	0.546	1
Naphthalene	ND		ug/l	2.00	0.896	1
Nitrobenzene	ND		ug/l	2.00	0.788	1
NDPA/DPA[1]	ND		ug/l	2.00	0.783	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.00	0.630	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.20	1.70	1
Butyl benzyl phthalate	ND		ug/l	5.00	0.670	1
Di-n-butylphthalate	ND		ug/l	5.00	0.631	1
Di-n-octylphthalate	ND		ug/l	5.00	0.633	1
Diethyl phthalate	ND		ug/l	5.00	0.717	1

Project Name: ROBOT WATER MANAGEMENT **Lab Number:** L2361867

Project Number: 01304 **Report Date:** 10/23/23

SAMPLE RESULTS

Lab ID: L2361867-01 Date Collected: 10/17/23 14:15

Client ID: TUNNEL WATER Date Received: 10/18/23

Sample Location: MOD PAC CORP BUFFALO NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dimethyl phthalate	ND		ug/l	5.00	1.40	1
Benzo(a)anthracene	ND		ug/l	2.00	0.665	1
Benzo(a)pyrene	ND		ug/l	2.00	0.610	1
Benzo(b)fluoranthene	ND		ug/l	2.00	0.741	1
Benzo(k)fluoranthene	ND		ug/l	2.00	0.739	1
Chrysene	ND		ug/l	2.00	0.668	1
Acenaphthylene	ND		ug/l	2.00	0.930	1
Anthracene	ND		ug/l	2.00	0.791	1
Benzo(ghi)perylene	ND		ug/l	2.00	0.672	1
Fluorene	ND		ug/l	2.00	0.927	1
Phenanthrene	ND		ug/l	2.00	0.818	1
Dibenzo(a,h)anthracene	ND		ug/l	2.00	0.687	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.00	0.633	1
Pyrene	ND		ug/l	2.00	0.728	1
4-Chloroaniline[1]	ND		ug/l	5.00	0.790	1
Dibenzofuran[1]	ND		ug/l	2.00	0.373	1
2-Methylnaphthalene[1]	ND		ug/l	2.00	0.351	1
n-Nitrosodimethylamine[1]	ND		ug/l	2.00	0.407	1
2,4,6-Trichlorophenol	ND		ug/l	5.00	0.607	1
p-Chloro-m-cresol[1]	ND		ug/l	2.00	0.533	1
2-Chlorophenol	ND		ug/l	2.00	0.513	1
2,4-Dichlorophenol	ND		ug/l	5.00	0.554	1
2,4-Dimethylphenol	ND		ug/l	5.00	0.851	1
2-Nitrophenol	ND		ug/l	5.00	0.604	1
4-Nitrophenol	ND		ug/l	10.0	0.834	1
2,4-Dinitrophenol	ND		ug/l	20.0	1.21	1
4,6-Dinitro-o-cresol	ND		ug/l	10.0	1.20	1
Pentachlorophenol	ND		ug/l	5.00	0.622	1
Phenol	ND		ug/l	5.00	0.262	1
2-Methylphenol[1]	ND		ug/l	5.00	0.773	1
3-Methylphenol/4-Methylphenol[1]	ND		ug/l	5.00	0.511	1
2,4,5-Trichlorophenol[1]	ND		ug/l	5.00	0.637	1
Benzoic Acid[1]	ND		ug/l	50.0	1.17	1
Benzyl Alcohol[1]	1.59	J	ug/l	2.00	0.490	1

Project Name: ROBOT WATER MANAGEMENT **Lab Number:** L2361867

Project Number: 01304 **Report Date:** 10/23/23

SAMPLE RESULTS

Lab ID: L2361867-01 Date Collected: 10/17/23 14:15

Client ID: TUNNEL WATER Date Received: 10/18/23

Sample Location: MOD PAC CORP BUFFALO NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		25-87
Phenol-d6	16		16-65
Nitrobenzene-d5	59		42-122
2-Fluorobiphenyl	63		46-121
2,4,6-Tribromophenol	63		45-128
4-Terphenyl-d14	56		47-138

Project Name: ROBOT WATER MANAGEMENT **Lab Number:** L2361867

Project Number: 01304 **Report Date:** 10/23/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
Analytical Date: 10/20/23 19:04
Analyst: JG

Extraction Method: EPA 625.1
Extraction Date: 10/20/23 01:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1842083-1					
Acenaphthene	ND		ug/l	2.00	0.407
Benzidine[1]	ND		ug/l	20.0	12.1
1,2,4-Trichlorobenzene	ND		ug/l	5.00	1.49
Hexachlorobenzene	ND		ug/l	2.00	0.952
Bis(2-chloroethyl)ether	ND		ug/l	2.00	0.600
2-Chloronaphthalene	ND		ug/l	2.00	0.319
3,3'-Dichlorobenzidine	ND		ug/l	5.00	0.457
2,4-Dinitrotoluene	ND		ug/l	5.00	0.636
2,6-Dinitrotoluene	ND		ug/l	5.00	0.631
Azobenzene[1]	ND		ug/l	2.00	0.889
Fluoranthene	ND		ug/l	2.00	0.736
4-Chlorophenyl phenyl ether	ND		ug/l	2.00	0.371
4-Bromophenyl phenyl ether	ND		ug/l	2.00	0.447
Bis(2-chloroisopropyl)ether	ND		ug/l	2.00	0.822
Bis(2-chloroethoxy)methane	ND		ug/l	5.00	0.585
Hexachlorobutadiene	ND		ug/l	2.00	0.921
Hexachlorocyclopentadiene[1]	ND		ug/l	10.0	1.36
Hexachloroethane	ND		ug/l	2.00	0.973
Isophorone	ND		ug/l	5.00	0.546
Naphthalene	ND		ug/l	2.00	0.896
Nitrobenzene	ND		ug/l	2.00	0.788
NDPA/DPA[1]	ND		ug/l	2.00	0.783
n-Nitrosodi-n-propylamine	ND		ug/l	5.00	0.630
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.20	1.70
Butyl benzyl phthalate	ND		ug/l	5.00	0.670
Di-n-butylphthalate	ND		ug/l	5.00	0.631
Di-n-octylphthalate	ND		ug/l	5.00	0.633
Diethyl phthalate	ND		ug/l	5.00	0.717
Dimethyl phthalate	ND		ug/l	5.00	1.40

Project Name: ROBOT WATER MANAGEMENT **Lab Number:** L2361867

Project Number: 01304 **Report Date:** 10/23/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
Analytical Date: 10/20/23 19:04
Analyst: JG

Extraction Method: EPA 625.1
Extraction Date: 10/20/23 01:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1842083-1					
Benzo(a)anthracene	ND		ug/l	2.00	0.665
Benzo(a)pyrene	ND		ug/l	2.00	0.610
Benzo(b)fluoranthene	ND		ug/l	2.00	0.741
Benzo(k)fluoranthene	ND		ug/l	2.00	0.739
Chrysene	ND		ug/l	2.00	0.668
Acenaphthylene	ND		ug/l	2.00	0.930
Anthracene	ND		ug/l	2.00	0.791
Benzo(ghi)perylene	ND		ug/l	2.00	0.672
Fluorene	ND		ug/l	2.00	0.927
Phenanthrene	ND		ug/l	2.00	0.818
Dibenzo(a,h)anthracene	ND		ug/l	2.00	0.687
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.00	0.633
Pyrene	ND		ug/l	2.00	0.728
4-Chloroaniline[1]	ND		ug/l	5.00	0.790
Dibenzofuran[1]	ND		ug/l	2.00	0.373
2-Methylnaphthalene[1]	ND		ug/l	2.00	0.351
n-Nitrosodimethylamine[1]	ND		ug/l	2.00	0.407
2,4,6-Trichlorophenol	ND		ug/l	5.00	0.607
p-Chloro-m-cresol[1]	ND		ug/l	2.00	0.533
2-Chlorophenol	ND		ug/l	2.00	0.513
2,4-Dichlorophenol	ND		ug/l	5.00	0.554
2,4-Dimethylphenol	ND		ug/l	5.00	0.851
2-Nitrophenol	ND		ug/l	5.00	0.604
4-Nitrophenol	ND		ug/l	10.0	0.834
2,4-Dinitrophenol	ND		ug/l	20.0	1.21
4,6-Dinitro-o-cresol	ND		ug/l	10.0	1.20
Pentachlorophenol	ND		ug/l	5.00	0.622
Phenol	ND		ug/l	5.00	0.262
2-Methylphenol[1]	ND		ug/l	5.00	0.773

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304
Lab Number: L2361867
Report Date: 10/23/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
Analytical Date: 10/20/23 19:04
Analyst: JG

Extraction Method: EPA 625.1
Extraction Date: 10/20/23 01:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1842083-1					
3-Methylphenol/4-Methylphenol[1]	ND		ug/l	5.00	0.511
2,4,5-Trichlorophenol[1]	ND		ug/l	5.00	0.637
Benzoic Acid[1]	ND		ug/l	50.0	1.17
Benzyl Alcohol[1]	ND		ug/l	2.00	0.490

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		25-87
Phenol-d6	25		16-65
Nitrobenzene-d5	78		42-122
2-Fluorobiphenyl	78		46-121
2,4,6-Tribromophenol	79		45-128
4-Terphenyl-d14	76		47-138

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT

Project Number: 01304

Lab Number: L2361867

Report Date: 10/23/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1842083-2								
Hexachloroethane	80		-		55-120	-		52
Fluorene	**129**	Q	-		70-120	-		38

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51				25-87

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT

Project Number: 01304

Lab Number: L2361867

Report Date: 10/23/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1842083-3								
Acenaphthene	64		-		60-132	-		48
Benzidine[1]	7		-		0-70	-		30
1,2,4-Trichlorobenzene	59		-		57-130	-		50
Hexachlorobenzene	72		-		8-142	-		55
Bis(2-chloroethyl)ether	67		-		43-126	-		108
2-Chloronaphthalene	66		-		65-120	-		24
3,3'-Dichlorobenzidine	35		-		8-213	-		108
2,4-Dinitrotoluene	72		-		48-127	-		42
2,6-Dinitrotoluene	80		-		68-137	-		48
Azobenzene[1]	74		-		44-115	-		23
Fluoranthene	72		-		43-121	-		66
4-Chlorophenyl phenyl ether	68		-		38-145	-		61
4-Bromophenyl phenyl ether	70		-		65-120	-		43
Bis(2-chloroisopropyl)ether	72		-		63-139	-		76
Bis(2-chloroethoxy)methane	76		-		49-165	-		54
Hexachlorobutadiene	54		-		38-120	-		62
Hexachlorocyclopentadiene[1]	31		-		7-118	-		35
Isophorone	76		-		47-180	-		93
Naphthalene	61		-		36-120	-		65
Nitrobenzene	72		-		54-158	-		62
NDPA/DPA[1]	70		-		45-112	-		36
n-Nitrosodi-n-propylamine	77		-		14-198	-		87
Bis(2-ethylhexyl)phthalate	79		-		29-137	-		82

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304

Lab Number: L2361867
Report Date: 10/23/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1842083-3								
Butyl benzyl phthalate	74		-		1-140	-		60
Di-n-butylphthalate	78		-		8-120	-		47
Di-n-octylphthalate	70		-		19-132	-		69
Diethyl phthalate	72		-		1-120	-		100
Dimethyl phthalate	79		-		1-120	-		183
Benzo(a)anthracene	72		-		42-133	-		53
Benzo(a)pyrene	75		-		32-148	-		72
Benzo(b)fluoranthene	71		-		42-140	-		71
Benzo(k)fluoranthene	70		-		25-146	-		63
Chrysene	71		-		44-140	-		87
Acenaphthylene	77		-		54-126	-		74
Anthracene	71		-		43-120	-		66
Benzo(ghi)perylene	70		-		1-195	-		97
Phenanthrene	70		-		65-120	-		39
Dibenzo(a,h)anthracene	71		-		1-200	-		126
Indeno(1,2,3-cd)pyrene	69		-		1-151	-		99
Pyrene	72		-		70-120	-		49
4-Chloroaniline[1]	62		-		10-100	-		53
Dibenzofuran[1]	67		-		23-126	-		22
2-Methylnaphthalene[1]	64		-		40-109	-		18
n-Nitrosodimethylamine[1]	43		-		15-68	-		17
2,4,6-Trichlorophenol	82		-		52-129	-		58
p-Chloro-m-cresol[1]	70		-		68-130	-		73

Lab Control Sample Analysis
Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304

Lab Number: L2361867
Report Date: 10/23/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1842083-3								
2-Chlorophenol	59		-		36-120	-		61
2,4-Dichlorophenol	76		-		53-122	-		50
2,4-Dimethylphenol	54		-		42-120	-		58
2-Nitrophenol	73		-		45-167	-		55
4-Nitrophenol	18		-		13-129	-		131
2,4-Dinitrophenol	52		-		1-173	-		132
4,6-Dinitro-o-cresol	72		-		56-130	-		203
Pentachlorophenol	54		-		38-152	-		86
Phenol	25		-		17-120	-		64
2-Methylphenol[1]	52		-		38-102	-		23
3-Methylphenol/4-Methylphenol[1]	49		-		35-103	-		26
2,4,5-Trichlorophenol[1]	82		-		47-126	-		28
Benzoic Acid[1]	12		-		2-55	-		27
Benzyl Alcohol[1]	62		-		31-103	-		23

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	34				25-87
Phenol-d6	26				16-65
Nitrobenzene-d5	73				42-122
2-Fluorobiphenyl	75				46-121
2,4,6-Tribromophenol	75				45-128
4-Terphenyl-d14	67				47-138

PCBS

Project Name: ROBOT WATER MANAGEMENT **Lab Number:** L2361867

Project Number: 01304 **Report Date:** 10/23/23

SAMPLE RESULTS

Lab ID: L2361867-01
Client ID: TUNNEL WATER
Sample Location: MOD PAC CORP BUFFALO NY

Date Collected: 10/17/23 14:15
Date Received: 10/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 10/20/23 09:24
Analyst: ER

Extraction Method: EPA 608.3
Extraction Date: 10/19/23 12:07
Cleanup Method: EPA 3665A
Cleanup Date: 10/19/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	0.008	1	A
Aroclor 1221	ND		ug/l	0.050	0.011	1	A
Aroclor 1232	ND		ug/l	0.050	0.023	1	A
Aroclor 1242	ND		ug/l	0.050	0.018	1	A
Aroclor 1248	ND		ug/l	0.050	0.023	1	A
Aroclor 1254	ND		ug/l	0.050	0.008	1	A
Aroclor 1260	ND		ug/l	0.050	0.017	1	A
PCBs, Total	ND		ug/l	0.050	0.008	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		37-123	A
Decachlorobiphenyl	81		38-114	A
2,4,5,6-Tetrachloro-m-xylene	70		37-123	B
Decachlorobiphenyl	88		38-114	B

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304
Lab Number: L2361867
Report Date: 10/23/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 127,608.3
Analytical Date: 10/19/23 12:15
Analyst: ER

Extraction Method: EPA 608.3
Extraction Date: 10/19/23 04:56
Cleanup Method: EPA 3665A
Cleanup Date: 10/19/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/19/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1841584-1						
Aroclor 1016	ND		ug/l	0.050	0.008	A
Aroclor 1221	ND		ug/l	0.050	0.011	A
Aroclor 1232	ND		ug/l	0.050	0.023	A
Aroclor 1242	ND		ug/l	0.050	0.018	A
Aroclor 1248	ND		ug/l	0.050	0.023	A
Aroclor 1254	ND		ug/l	0.050	0.008	A
Aroclor 1260	ND		ug/l	0.050	0.017	A
PCBs, Total	ND		ug/l	0.050	0.008	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		37-123	A
Decachlorobiphenyl	78		38-114	A
2,4,5,6-Tetrachloro-m-xylene	71		37-123	B
Decachlorobiphenyl	84		38-114	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT

Project Number: 01304

Lab Number: L2361867

Report Date: 10/23/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1841584-2									
Aroclor 1016	76		-		50-140	-		36	A
Aroclor 1260	69		-		8-140	-		38	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64				37-123	A
Decachlorobiphenyl	75				38-114	A
2,4,5,6-Tetrachloro-m-xylene	66				37-123	B
Decachlorobiphenyl	83				38-114	B

METALS

Project Name: ROBOT WATER MANAGEMENT **Lab Number:** L2361867

Project Number: 01304 **Report Date:** 10/23/23

SAMPLE RESULTS

Lab ID: L2361867-01 Date Collected: 10/17/23 14:15

Client ID: TUNNEL WATER Date Received: 10/18/23

Sample Location: MOD PAC CORP BUFFALO NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	10/19/23 07:27	10/20/23 18:39	EPA 3005A	19,200.7	JTS
Barium, Total	0.0720		mg/l	0.0100	0.0021	1	10/19/23 07:27	10/20/23 18:39	EPA 3005A	19,200.7	JTS
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	10/19/23 07:27	10/20/23 18:39	EPA 3005A	19,200.7	JTS
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	10/19/23 07:27	10/20/23 18:39	EPA 3005A	19,200.7	JTS
Chromium, Total	ND		mg/l	0.0100	0.0021	1	10/19/23 07:27	10/20/23 18:39	EPA 3005A	19,200.7	JTS
Copper, Total	0.0057	J	mg/l	0.0100	0.0022	1	10/19/23 07:27	10/20/23 18:39	EPA 3005A	19,200.7	JTS
Lead, Total	ND		mg/l	0.0100	0.0027	1	10/19/23 07:27	10/20/23 18:39	EPA 3005A	19,200.7	JTS
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/19/23 08:51	10/20/23 13:34	EPA 245.1	3,245.1	MJR
Nickel, Total	ND		mg/l	0.0250	0.0024	1	10/19/23 07:27	10/20/23 18:39	EPA 3005A	19,200.7	JTS
Selenium, Total	ND		mg/l	0.0100	0.0035	1	10/19/23 07:27	10/20/23 18:39	EPA 3005A	19,200.7	JTS
Silver, Total	ND		mg/l	0.0070	0.0028	1	10/19/23 07:27	10/20/23 22:34	EPA 3005A	19,200.7	CEY
Titanium, Total	ND		mg/l	0.0100	0.0018	1	10/19/23 07:27	10/20/23 18:39	EPA 3005A	19,200.7	JTS
Zinc, Total	0.0069		mg/l	0.0050	0.0021	1	10/19/23 07:27	10/20/23 18:39	EPA 3005A	19,200.7	JTS

Project Name: ROBOT WATER MANAGEMENT **Lab Number:** L2361867

Project Number: 01304 **Report Date:** 10/23/23

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 Batch: WG1841601-1										
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	10/19/23 07:27	10/19/23 12:52	19,200.7	AMW
Barium, Total	ND		mg/l	0.0100	0.0021	1	10/19/23 07:27	10/19/23 12:52	19,200.7	AMW
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	10/19/23 07:27	10/19/23 12:52	19,200.7	AMW
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	10/19/23 07:27	10/19/23 12:52	19,200.7	AMW
Chromium, Total	ND		mg/l	0.0100	0.0021	1	10/19/23 07:27	10/19/23 12:52	19,200.7	AMW
Copper, Total	ND		mg/l	0.0100	0.0022	1	10/19/23 07:27	10/19/23 19:54	19,200.7	TAA
Lead, Total	ND		mg/l	0.0100	0.0027	1	10/19/23 07:27	10/19/23 12:52	19,200.7	AMW
Nickel, Total	ND		mg/l	0.0250	0.0024	1	10/19/23 07:27	10/19/23 12:52	19,200.7	AMW
Selenium, Total	ND		mg/l	0.0100	0.0035	1	10/19/23 07:27	10/19/23 12:52	19,200.7	AMW
Silver, Total	ND		mg/l	0.0070	0.0028	1	10/19/23 07:27	10/19/23 12:52	19,200.7	AMW
Titanium, Total	ND		mg/l	0.0100	0.0018	1	10/19/23 07:27	10/19/23 12:52	19,200.7	AMW
Zinc, Total	ND		mg/l	0.0050	0.0021	1	10/19/23 07:27	10/19/23 12:52	19,200.7	AMW

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1841604-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/19/23 08:51	10/20/23 12:50	3,245.1	MJR

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT

Project Number: 01304

Lab Number: L2361867

Report Date: 10/23/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1841601-2								
Arsenic, Total	99		-		85-115	-		
Barium, Total	102		-		85-115	-		
Beryllium, Total	104		-		85-115	-		
Cadmium, Total	98		-		85-115	-		
Chromium, Total	101		-		85-115	-		
Copper, Total	104		-		85-115	-		
Lead, Total	101		-		85-115	-		
Nickel, Total	98		-		85-115	-		
Selenium, Total	101		-		85-115	-		
Silver, Total	99		-		85-115	-		
Titanium, Total	102		-		85-115	-		
Zinc, Total	98		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1841604-2								
Mercury, Total	101		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304

Lab Number: L2361867
Report Date: 10/23/23

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 QC Batch ID: WG1841601-3 QC Sample: L2360400-01 Client ID: MS Sample												
Arsenic, Total	ND	0.12	0.119	99		-	-		75-125	-		20
Barium, Total	ND	2	2.01	100		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.0513	103		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.0553	104		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.216	108		-	-		75-125	-		20
Copper, Total	0.0027J	0.25	0.251	100		-	-		75-125	-		20
Lead, Total	ND	0.53	0.525	99		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.523	105		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.123	102		-	-		75-125	-		20
Silver, Total	ND	0.05	0.0545	109		-	-		75-125	-		20
Titanium, Total	ND	1	1.07	107		-	-		75-125	-		20
Zinc, Total	0.0059	0.5	0.542	107		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304

Lab Number: L2361867
Report Date: 10/23/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1841601-7 QC Sample: L2360428-01 Client ID: MS Sample									
Arsenic, Total	0.002J	0.12	0.128	107	-	-	75-125	-	20
Barium, Total	0.023	2	2.04	101	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.0520	104	-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.0522	98	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.204	102	-	-	75-125	-	20
Copper, Total	0.007J	0.25	0.248	99	-	-	75-125	-	20
Lead, Total	ND	0.53	0.536	101	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.484	97	-	-	75-125	-	20
Selenium, Total	0.0035J	0.12	0.128	107	-	-	75-125	-	20
Silver, Total	ND	0.05	0.0504	101	-	-	75-125	-	20
Titanium, Total	0.006J	1	1.03	103	-	-	75-125	-	20
Zinc, Total	0.014	0.5	0.507	98	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1841604-3 QC Sample: L2360724-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00468	94	-	-	70-130	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1841604-5 QC Sample: L2361474-01 Client ID: MS Sample									
Mercury, Total	0.00012J	0.005	0.00467	94	-	-	70-130	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304

Lab Number: L2361867
Report Date: 10/23/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1841601-4 QC Sample: L2360400-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/l	NC		20
Barium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Copper, Total	0.0027J	0.0027J	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.0059	0.0054	mg/l	8		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1841601-4 QC Sample: L2360400-01 Client ID: DUP Sample						
Silver, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1841601-8 QC Sample: L2360428-01 Client ID: DUP Sample						
Selenium, Total	0.0035J	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1841604-4 QC Sample: L2360724-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1841604-6 QC Sample: L2361474-01 Client ID: DUP Sample						
Mercury, Total	0.00012J	0.00009J	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304
Lab Number: L2361867
Report Date: 10/23/23

SAMPLE RESULTS

Lab ID: L2361867-01
Client ID: TUNNEL WATER
Sample Location: MOD PAC CORP BUFFALO NY
Sample Depth:
Matrix: Water

Date Collected: 10/17/23 14:15
Date Received: 10/18/23
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	600		mg/l	13	NA	1.3	-	10/20/23 04:29	121,2540B	DEW
Solids, Total Dissolved	580		mg/l	13	4.0	1.3	-	10/20/23 04:30	121,2540C	DEW
Solids, Total Suspended	3.0		mg/l	1.0	NA	1	-	10/19/23 17:13	121,2540D	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	10/20/23 04:15	10/20/23 11:08	121,4500CN-CE	JER
pH (H)	7.36		SU	-	NA	1	-	10/19/23 17:08	121,4500H+-B	PLB
Phosphate, Total	0.046		mg/l	0.031	0.012	1	10/19/23 13:59	10/19/23 14:48	121,4500P-E(M)	MEF
Non-Polar Material By EPA 1664	6.53		mg/l	4.00	1.24	1	10/20/23 09:47	10/20/23 12:03	140,1664B	JGM

Project Name: ROBOT WATER MANAGEMENT **Lab Number:** L2361867

Project Number: 01304 **Report Date:** 10/23/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1841821-1										
Phosphate, Total	ND		mg/l	0.031	0.012	1	10/19/23 13:59	10/19/23 14:38	121,4500P-E(M)	MEF
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1842000-1										
Solids, Total Suspended	ND		mg/l	1.0	NA	1	-	10/19/23 17:13	121,2540D	REM
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1842055-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	10/20/23 04:15	10/20/23 10:19	121,4500CN-CE	JER
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1842096-1										
Solids, Total	ND		mg/l	10	NA	1	-	10/20/23 04:29	121,2540B	DEW
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1842097-1										
Solids, Total Dissolved	ND		mg/l	10	3.1	1	-	10/20/23 04:30	121,2540C	DEW
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1842204-1										
Non-Polar Material By EPA 1664	ND		mg/l	4.00	1.24	1	10/20/23 09:47	10/20/23 11:53	140,1664B	JGM

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT

Project Number: 01304

Lab Number: L2361867

Report Date: 10/23/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1841821-2								
Phosphate, Total	102		-		84-118	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1841991-1								
pH	101		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1842000-2								
Solids, Total Suspended	92		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1842055-2								
Cyanide, Total	97		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1842096-2								
Solids, Total	101		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1842097-2								
Solids, Total Dissolved	97		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1842204-2								
Non-Polar Material By EPA 1664	120		-		64-132	-		34

Matrix Spike Analysis
Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304

Lab Number: L2361867
Report Date: 10/23/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1841821-4 QC Sample: L2361843-04 Client ID: MS Sample												
Phosphate, Total	0.046	1.53	1.62	103		-	-		80-120	-		15
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1842055-3 QC Sample: L2359500-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.200	100		-	-		90-110	-		30
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1842204-4 QC Sample: L2361124-05 Client ID: MS Sample												
Non-Polar Material By EPA 1664	1.56J	19.6	17.1	87		-	-		64-132	-		34

Lab Duplicate Analysis

Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT

Project Number: 01304

Lab Number: L2361867

Report Date: 10/23/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1841821-3 QC Sample: L2361843-04 Client ID: DUP Sample						
Phosphate, Total	0.046	0.040	mg/l	14		15
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1841991-2 QC Sample: L2361867-01 Client ID: TUNNEL WATER						
pH (H)	7.36	7.49	SU	2		5
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1842000-3 QC Sample: L2361707-01 Client ID: DUP Sample						
Solids, Total Suspended	1800	1800	mg/l	0		32
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1842000-4 QC Sample: L2361802-03 Client ID: DUP Sample						
Solids, Total Suspended	730	710	mg/l	3		32
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1842055-4 QC Sample: L2359500-01 Client ID: DUP Sample						
Cyanide, Total	ND	ND	mg/l	NC		30
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1842096-3 QC Sample: L2361867-01 Client ID: TUNNEL WATER						
Solids, Total	600	570	mg/l	5		16
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1842097-3 QC Sample: L2361249-01 Client ID: DUP Sample						
Solids, Total Dissolved	830	830	mg/l	0		10
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1842204-3 QC Sample: L2361124-04 Client ID: DUP Sample						
Non-Polar Material By EPA 1664	ND	ND	mg/l	NC		34

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304

Lab Number: L2361867
Report Date: 10/23/23

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(*)
L2361867-01A	Vial Na2S2O3 preserved	A	NA		3.6	Y	Absent		624.1(3)
L2361867-01B	Vial Na2S2O3 preserved	A	NA		3.6	Y	Absent		624.1(3)
L2361867-01C	Vial Na2S2O3 preserved	A	NA		3.6	Y	Absent		624.1(3)
L2361867-01D	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		BA-UI(180),NI-UI(180),ZN-UI(180),AG-UI(180),TI-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),AS-UI(180),CU-UI(180),PB-UI(180)
L2361867-01E	Plastic 250ml NaOH preserved	A	>12	>12	3.6	Y	Absent		TCN-4500(14)
L2361867-01F	Plastic 250ml H2SO4 preserved	A	<2	<2	3.6	Y	Absent		TPO4-4500(28)
L2361867-01G	Plastic 950ml unpreserved	A	8	8	3.6	Y	Absent		TSC-2540(7),HOLD-WETCHEM(),PH-4500(.01),TDS-2540(7)
L2361867-01H	Plastic 950ml unpreserved	A	8	8	3.6	Y	Absent		TSS-2540-LOW(7)
L2361867-01J	Amber 1000ml Na2S2O3	A	8	8	3.6	Y	Absent		NYPCB-608-2L(365)
L2361867-01K	Amber 1000ml Na2S2O3	A	8	8	3.6	Y	Absent		NYPCB-608-2L(365)
L2361867-01L	Amber 1000ml Na2S2O3	A	8	8	3.6	Y	Absent		NYPCB-608-2L(365)
L2361867-01M	Amber 1000ml Na2S2O3	A	8	8	3.6	Y	Absent		NYPCB-608-2L(365)
L2361867-01N	Amber 1000ml Na2S2O3	A	8	8	3.6	Y	Absent		625.1(7)
L2361867-01P	Amber 1000ml Na2S2O3	A	8	8	3.6	Y	Absent		625.1(7)
L2361867-01Q	Amber 1000ml Na2S2O3	A	8	8	3.6	Y	Absent		625.1(7)
L2361867-01R	Amber 1000ml Na2S2O3	A	8	8	3.6	Y	Absent		625.1(7)
L2361867-01S	Amber 1000ml HCl preserved	A	NA		3.6	Y	Absent		NYTPH-1664(28)
L2361867-01T	Amber 1000ml HCl preserved	A	NA		3.6	Y	Absent		NYTPH-1664(28)

*Values in parentheses indicate holding time in days

Project Name:	ROBOT WATER MANAGEMENT	**Lab Number:**	L2361867
Project Number:	01304	**Report Date:**	10/23/23

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	ROBOT WATER MANAGEMENT	**Lab Number:**	L2361867
Project Number:	01304	**Report Date:**	10/23/23

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

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	ROBOT WATER MANAGEMENT	**Lab Number:**	L2361867
Project Number:	01304	**Report Date:**	10/23/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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 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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	ROBOT WATER MANAGEMENT	**Lab Number:**	L2361867
Project Number:	01304	**Report Date:**	10/23/23

REFERENCES

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

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

127 Method 608.3: Organochlorine Pesticides and PCBs by GC/HSD, EPA 821-R-16-009, December 2016.

128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

129 Method 625.1: Base/Neutrals and Acids by GC/MS, EPA 821-R-16-007, December 2016.

140 Method 1664,Revision B: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-10-001, February 2010.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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: 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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

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, EPA 537.1.

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

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: 10/19/23

ALPHA Job #: L2361867

Client Information

Client: Env. Advantage, Inc.
Address: 3636 N. Buffalo rd Orchard Park, NY 14127
Phone: 716 667 3130
Fax: 716 667 3156
Email: mhanna@envadvantage.com

Project Information

Project Name: Robert Water Management
Project Location: MadPac Corp Buffalo NY
Project # 01304
(Use Project name as Project #) ☐
Project Manager: Mark Hanna + Mary Szustak
ALPHAQuote #: 24762 + 24751

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ 5day # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Also email results to lab results@envadvantage.com

Please specify Metals or TAL.

Deliverables

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

Regulatory Requirement

☒ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ 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:

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	Metals*	EPA 624 VOCs	EPA 625 SVOCs	EPA 1664A SGT-HEM	Total Sus Pended Solids	Total Dissolved Solids	Total Solids	Total Phosphates	Sample Specific Comments
01867-01	Tunnel Water	10/17/23	2:15	WA	CS	X	X	X	X	X	X	X	X	*arsenic, barium beryllium Cadmium chromium copper lead mercury nickel Selenium Silver Titanium zinc and total Cyanide.

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	P	V	A	A	P	P	P	P
Preservative	C	H	H	H	A	A	A	D

Relinquished By:	Date/Time	Received By:	Date/Time
	10/18/23 1525		10/18/23 15:25
	10/18/23 16:35		10/19/23 10:50

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)

NEW YORK CHAIN OF CUSTODY

ALPHA

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 2 of 2

Date Rec'd in Lab: 10/19/23

ALPHA Job #: L2361867

Project Information

Project Name: Robot Water Management
Project Location: Mod Pac Corp buffalo NY.
Project #: 01304
(Use Project name as Project #) ☐
Project Manager: Mark Hanna + Mary Szustak
ALPHAQuote #: 24762 + 24751

Client Information

Client: ENV ADVANTAGE, INC
Address: 3636 N. Buffalo rd
Orchard Park NY 14127
Phone: 716 667 3130
Fax: 716 667 3156
Email: mhanna@envadvantage.com

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ 5day # of Days:

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO # 01304

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:
Also Email Results To lab results@envADVANtage.com

Please specify Metals or TAL.

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	Pb	EPA Method 608	BOD5	Sample Specific Comments	Total Bottles
61867-01	Tunnel Water	10/17/23	7:15	WA	CS	X	X	X		
					Container Type	P	A	P		
					Preservative	A	H	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
[signature]	10/18/23 1525	[signature] AAL	10/18/23 15:25
[signature] AAL	10/18/23 16:35	[signature]	10/19/23 2050

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:	L2362019
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	ROBOT WATER MANAGEMENT
Project Number:	01304
Report Date:	10/24/23

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304

Lab Number: L2362019
Report Date: 10/24/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2362019-01	TUNNEL WATER	WATER	1801 ELMWOOD AVE BUFFALO	10/17/23 14:15	10/18/23

Project Name:	ROBOT WATER MANAGEMENT	**Lab Number:**	L2362019
Project Number:	01304	**Report Date:**	10/24/23

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:	ROBOT WATER MANAGEMENT	**Lab Number:**	L2362019
Project Number:	01304	**Report Date:**	10/24/23

Case Narrative (continued)

Report Submission

This report contains the results of the BOD analysis. The results of all other analyses have been issued under separate cover.

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

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: Michelle M. Morris

Title: Technical Director/Representative Date: 10/24/23

INORGANICS
&
MISCELLANEOUS

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304

Lab Number: L2362019
Report Date: 10/24/23

SAMPLE RESULTS

Lab ID: L2362019-01
Client ID: TUNNEL WATER
Sample Location: 1801 ELMWOOD AVE BUFFALO

Date Collected: 10/17/23 14:15
Date Received: 10/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
BOD, 5 day	ND		mg/l	2.0	NA	1	10/19/23 06:53	10/24/23 07:30	121,5210B	OCF

Project Name: ROBOT WATER MANAGEMENT **Lab Number:** L2362019

Project Number: 01304 **Report Date:** 10/24/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1841633-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	10/19/23 06:53	10/24/23 07:30	121,5210B	OCF

Lab Control Sample Analysis

Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT

Project Number: 01304

Lab Number: L2362019

Report Date: 10/24/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1841633-2								
BOD, 5 day	98		-		85-115	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304

Lab Number: L2362019
Report Date: 10/24/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1841633-4 QC Sample: L2349794-11 Client ID: MS Sample												
BOD, 5 day	110	200	300	98		-	-		50-145	-		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: ROBOT WATER MANAGEMENT

Project Number: 01304

Lab Number: L2362019

Report Date: 10/24/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1841633-3 QC Sample: L2349794-11 Client ID: DUP Sample						
BOD, 5 day	110	100	mg/l	8		35

Project Name: ROBOT WATER MANAGEMENT
Project Number: 01304

Lab Number: L2362019
Report Date: 10/24/23

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(*)
L2362019-01A	Plastic 950ml unpreserved	A	8	8	3.6	Y	Absent		BOD-5210(2)

*Values in parentheses indicate holding time in days

Project Name:	ROBOT WATER MANAGEMENT	**Lab Number:**	L2362019
Project Number:	01304	**Report Date:**	10/24/23

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	ROBOT WATER MANAGEMENT	**Lab Number:**	L2362019
Project Number:	01304	**Report Date:**	10/24/23

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

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	ROBOT WATER MANAGEMENT	**Lab Number:**	L2362019
Project Number:	01304	**Report Date:**	10/24/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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 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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	ROBOT WATER MANAGEMENT	**Lab Number:**	L2362019
Project Number:	01304	**Report Date:**	10/24/23

REFERENCES

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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: 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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

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, EPA 537.1.

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.

10/20/23 JAD L2316/2019

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

NEW YORK CHAIN OF CUSTODY

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 2

Date Rec'd in Lab: 10/19/23

ALPHA Job #: ~~L2316/6107~~

Client Information
Client: Env. Advantage, Inc.
Address: 3636 N. Buffalo rd Orchard Park, NY 14127
Phone: 716 667 3130
Fax: 716 667 3156
Email: mhanna@envadvantage.com

Project Information
Project Name: Robot Water Management
Project Location: Mod Rec Corp Buffalo NY
Project #: 01304
(Use Project name as Project #) ☐
Project Manager: Mark Hanna + Mary Szustak.
ALPHAQuote #: 24702 + 24751

Turnaround Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ 5 day # of Days:

These samples have been previously analyzed by Alpha ☐

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

Regulatory Requirement
☒ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ 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:

Other project specific requirements/comments:
Also email results to lab results@envadvantage.com

Please specify Metals or TAL

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Metals*	EPA 624 VOC	EPA 625 SVOCs	EPA 1664M SGT-HEM	Total Suspended Solids	Total Dissolved Solids	Total Solids	Total Phosphates	Sample Specific Comments
~~L2316/6107~~ -01	Tunnel Water	10/17/23	2:15	WW	CS	X	X	X	X	X	X	X	X	*Arsenic, Barium
6e2019-														beryllium Cadmium
														Chromium Copper
														lead mercury
														Nickel Selenium
														Silver Titanium
														Zinc and total
														Cyanide.

Preservative Code: N = None, H = HCl, I = HNO_3, J = H_2SO_4, K = NaOH, L = MeOH, M = $NaHSO_4$, O = $Na_2S_2O_3$, E = Zn Ac/NaOH, F = 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	P	V	A	A	P	P	P	P
Preservative	C	H	H	II	A	A	A	D

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/18/23 1525	[signature] AAL	10/18/23 15:25
[signature] AAL	10/18/23 16:35	[signature]	10/19/23 10:30

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.)

(30-Sept-2013)

10/20/23 JAD L2362019

ALPHA — NEW YORK CHAIN OF CUSTODY

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: 2 of 2

Date Rec'd in Lab: 10/19/23

ALPHA Job #: ~~L0361867~~

Client Information

Client: ENV ADVANTAGE, INC
Address: 3636 N. Buffalo rd
Orchard Park NY 14127
Phone: 716 667 3130
Fax: 716 667 3156
Email: mlane@envadvantage.com

Project Information

Project Name: Robot Water Management
Project Location: Mod Pac Corp Buffalo NY.
Project #: 01304
(Use Project name as Project #): ☐
Project Manager: Mark Hooge + Mary Szustak
ALPHAQuote #: 24752 + 24751

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ 5day # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Also Email Results To lab results@envadvantage.com

Please specify Metals or TAL.

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO # 01304

Disposal Site Information

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

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	Ph	EPA Method 608	BOD5	Total Bottles	Sample Specific Comments
~~61867~~-D1 e2019-	Tunnel water	10/17/23	2:15	WA	CS	X	X	X		

Preservative Code: None, HCl, HNO_3, H_2SO_4, NaOH, MeOH, $NaHSO_4$, $Na_2S_2O_3$, Zn Ac/NaOH, 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	P	A	P					
Preservative	A	H	A					

Relinquished By:	Date/Time	Received By:	Date/Time
	10/19/23 1525		10/18/23 15:25
	10/18/23 16:35		10/19/23 10:50

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.)

(30-Sept-2013)

F6

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Commercial or Industrial Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 50-100

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? yes

Does it contain less than 10%, by weight, material that would pass a size 10 sieve? yes

Does it contain less than 10%, by weight, material that would pass a size 100 sieve? yes

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Material is Virgin 2-inch Crushed Limestone Subbase material, supplied from a commercial source, New Enterprise Stone & Lime Co., Inc., Wehrle Drive quarry. Applicable Sieve Analysis and Proctor are attached. Samples are not required for virgin stone as per DER-10.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Lehigh Construction, Marc Irace (customer to NESL)

Location where fill was obtained:

8615 Wehrle Dr, Williamsville, NY 14221

Identification of any state or local approvals as a fill source:

NYSDOT Approved Source

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Sieve and Proctor for pre-approved stockpile 5-3R

The information provided on this form is accurate and complete.

Mary Szusatk Digitally signed by Mary Szusatk Date: 2023.10.16 13:35:00 -04'00'

Signature

10/16/2023

Date

Mary Szustak

Print Name

Environmental Advantage, Inc.

Firm

CME Associates, Inc.

2727 Broadway St., Suite 2
Cheektowaga, New York 14227
(716) 877-9577
(716) 877-9629 (Fax)

www.cmeassociates.com

LAB REPORT SUMMARY

PROJECT: NESL Source Pre-Qual
CLIENT: NESL
DATE: 08/15/2023

REPORT NO.: 17330L-14
REPRESENTATIVE: Austin Glasier

This CME Associates, Inc representative performed a sieve analysis and moisture density test (Modified Proctor) on a 2" R.O.C. sample BL3223 sampled by client representative and delivered to CME's Buffalo laboratory on 08/03/2023. Tests were performed in accordance with ASTM Standards C136, C117, and D1557.
The following table distinguishes your sample from some common NYSDOT items:

Sample No.:	Location:
BL3223	NESL Wehrle Dr. 5-3R

MECHANICAL ANALYSIS (ASTM C136, C117)

Sieve Size	Percent Passing by Weight Sample BL3223	Item 304.14 Subbase Type IV	Item 304.13 Subbase Type III	Item 304.12 Subbase Type II	Item 203.7 Select Granular Fill
4"	100		100		100
2"	100	100		100	
1"	93				
3/4"	85				
1/2"	68				
3/8"	58				
1/4"	47	30-65	30-75	25-60	
No. 4	42				
No. 10	27				
No. 40	12	5-40	5-40	5-40	0-70
No. 80	8				
No. 200	7.3	0-10	0-10	0-10	0-15

CLASSIFICATION

Gray cmf Gravel and cmf Sand; trace Silt/Clay

LABORATORY MOISTURE-DENSITY RELATIONSHIP (ASTM D1557)

Corrected Maximum Dry Density	=	**141.8**	**Pcf**
Corrected Optimum Moisture Content	=	**6.3**	**%**

It is recommended the engineer of record review and comment on the use of this material. Please see attached documents for lab test results.
Feel free to contact this office should you have any questions.

CME Associates, Inc.

2727 Broadway Ave, Suite #2
Buffalo, New York 14227
(716) 877-9577
(716) 877-9629 (Fax)

www.cmeassociates.com

LABORATORY TEST SUMMARY
NESL
NESL Source Pre-Qual
CME Report Number: 17330L-14
8/15/2023

The CME Associates Representative obtained a sample at the above referenced project. The sample was delivered to CME's Buffalo facility, an AASHTO[1] accredited laboratory, for a Particle Size Analysis and a Moisture Density Relationship determination. The results are as follow:

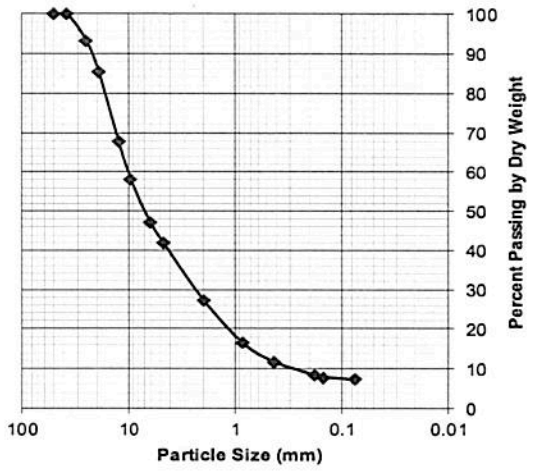
1) Material Identification

Sample #	Date Sampled	Classification	Source
BL3223	08/03/23	Gray cmf Gravel and cmf Sand; trace Silt/Clay	5-3R NESL Wehrle Dr.

2) Particle Size Analysis ASTM C136/C117

Sieve Size	Sieve Size (mm)	% Passing by Dry Weight Sample # BL3223
2"	50	100
1-1/2'	37.5	100
1"	25	93
3/4"	19	85
1/2"	12.5	68
3/8"	9.50	58
1/4"	6.25	47
#4	4.75	42
#10	2.00	27
#20	0.850	16
#40	0.425	12
#80	0.180	8
#100	0.150	8
#200	0.075	7

Grain Size Distribution



3) Moisture-Density Relationsh (ASTM D-1557: Modified Proctor)

	Sample # BL3223
Corrected Maximum Dry Density (pcf)	= **141.8**
Corrected Optimum Moisture Content (%)	= **6.3**
Oversized Particles, Percent by Weight (%)	= **15** *

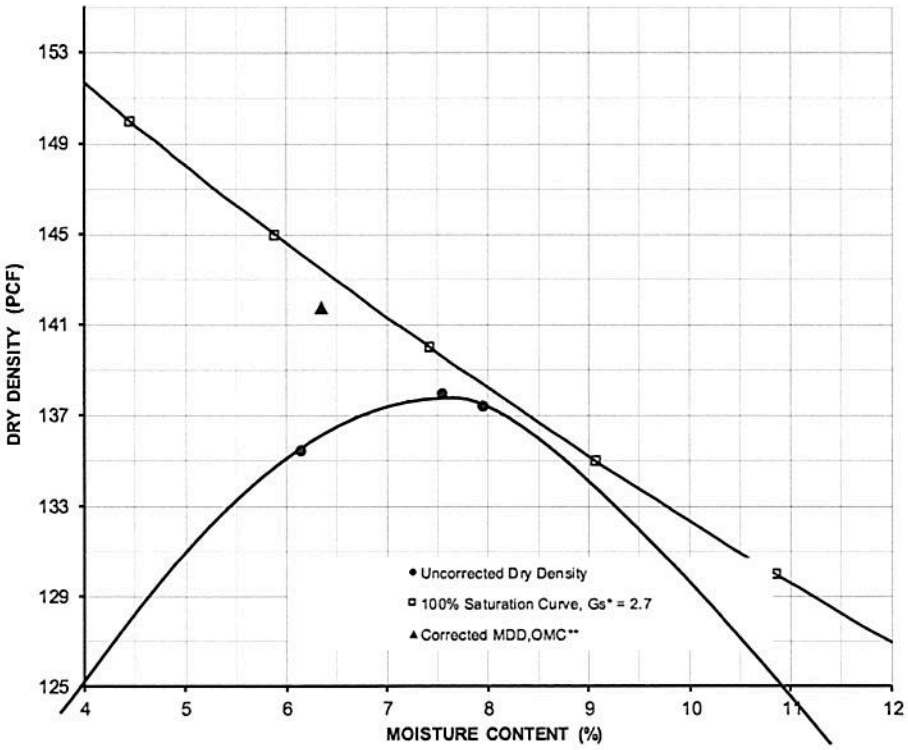
* Particles retained on 3/4-inch sieve

[1]AASHTO - American Association of State Highway & Transportation Officials (AASHTO) Materials Reference Laboratory. CME Buffalo accreditation includes tests of Portland Cement Concrete, Aggregate and Soil Materials. www.aashtoresource.org

LABORATORY TEST SUMMARY
NESL
NESL Source Pre-Qual
CME Report Number: 17330L-14

SAMPLE LOCATION:	**5-3R NESL Wehrle Dr.**	DATE SAMPLED:	**8/3/23**
SOIL CLASSIFICATION:	**Gray cmf Gravel and cmf Sand; trace Silt/Clay**	SAMPLE NO.:	**BL3223**

Moisture - Density Relationship Curve



Particle Size Analysis ASTM C136

Sieve Size	% Passing
2"	100
1-1/2"	100
1"	93
3/4"	85
1/2"	68
3/8"	58
1/4"	47
No.4	42
No.10	27
No.20	16
No.40	12
No.80	8
No.100	8
No.200	7

Test Procedure Information

Test Method	☑ ASTM D-1557 (Modified)		☐ ASTM D-698
Procedure Used	☐ A	☐ B	☑ C
Preparation Method	☐ Dry	☑ Moist	
Description of Rammer	☐ Manual	☑ Mechanical	

Test Results

Corrected MDD (PCF) = **141.8**
Corrected OMC (%) = **6.3**

Oversize Fraction by Dry Weight
15 % Retained on ☐ No.4 Sieve ☐ 3/8" Sieve ☑ 3/4" Sieve

* Specific Gravity, estimated
** MDD = Maximum Dry Density, OMC = Optimum Moisture Content
Please feel free to contact our office if you have any questions.

Austin Glasier
Supervising Laboratory Technician

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY

Down Wind Dust Data

November 06, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530143711
Firmware Version	3.1
Calibration Date	8/24/2023
Test Name	MANUAL_001
Test Start Time	8:38:51 AM
Test Start Date	11/6/2023
Test Length [D:H:M]	0:05:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.032
Mass Minimum [mg/m3]	0.021
Mass Maximum [mg/m3]	0.073
Mass TWA [mg/m3]	0.02
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	20

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.073		
1800	0.025		
2700	0.027		
3600	0.03		
4500	0.036		
5400	0.036		
6300	0.034		
7200	0.026		
8100	0.027		
9000	0.026		
9900	0.026		
10800	0.026		
11700	0.026		
12600	0.027		
13500	0.027		
14400	0.039		
15300	0.028		
16200	0.024		
17100	0.052		
18000	0.021		

MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY

Up Wind Dust Data

November 06, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530094505
Firmware Version	3.1
Calibration Date	8/24/2023
Test Name	MANUAL_001
Test Start Time	8:34:29 AM
Test Start Date	11/6/2023
Test Length [D:H:M]	0:05:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.027
Mass Minimum [mg/m3]	0.019
Mass Maximum [mg/m3]	0.034
Mass TWA [mg/m3]	0.017
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	21

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.03		
1800	0.023		
2700	0.026		
3600	0.027		
4500	0.028		
5400	0.029		
6300	0.034		
7200	0.027		
8100	0.026		
9000	0.027		
9900	0.026		
10800	0.027		
11700	0.026		
12600	0.027		
13500	0.027		
14400	0.028		
15300	0.029		
16200	0.024		
17100	0.025		
18000	0.022		

18900	0.019

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY

Down Wind Dust Data

November 10, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530143711
Firmware Version	3.1
Calibration Date	8/24/2023
Test Name	MANUAL_002
Test Start Time	8:48:18 AM
Test Start Date	11/10/2023
Test Length [D:H:M]	0:06:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.013
Mass Minimum [mg/m3]	0.006
Mass Maximum [mg/m3]	0.039
Mass TWA [mg/m3]	0.01
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	24

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.026		
1800	0.014		
2700	0.009		
3600	0.007		
4500	0.006		
5400	0.027		
6300	0.007		
7200	0.008		
8100	0.008		
9000	0.009		
9900	0.008		
10800	0.007		
11700	0.007		
12600	0.008		
13500	0.011		
14400	0.009		
15300	0.022		
16200	0.018		
17100	0.013		
18000	0.01		

18900	0.039
19800	0.017
20700	0.013
21600	0.009

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY

Up Wind Dust Data

November 10, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530094505
Firmware Version	3.1
Calibration Date	8/24/2023
Test Name	MANUAL_002
Test Start Time	8:47:01 AM
Test Start Date	11/10/2023
Test Length [D:H:M]	0:06:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.013
Mass Minimum [mg/m3]	0.007
Mass Maximum [mg/m3]	0.034
Mass TWA [mg/m3]	0.01
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	24

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.022		
1800	0.012		
2700	0.01		
3600	0.013		
4500	0.034		
5400	0.016		
6300	0.007		
7200	0.009		
8100	0.008		
9000	0.008		
9900	0.007		
10800	0.007		
11700	0.007		
12600	0.007		
13500	0.01		
14400	0.009		
15300	0.015		
16200	0.02		
17100	0.013		
18000	0.009		

18900	0.032
19800	0.017
20700	0.014
21600	0.01

Device Serial No	Log Time	Log Type	Log Interval	Sensor 1	Sensor 1 Displ	Sensor 1 Serial Number	Sensor 1 Status	Sensor 1 Gas Reading	Sensor 1 Average Reading	Sensor 1 Last Cal	Sensor 1 Span Setpoint	Sensor 1 Low Alarm	Sensor 1 STEL Alarm	Sensor 1 TWA Alarm	Record Number	Session Start Time	Session Stop Time	Firmware Version
592-600822	11/10/2023 3:36:41 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 3:21:41 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 3:06:41 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 2:51:41 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 2:36:41 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 2:21:41 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 2:06:41 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 1:51:41 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 1:36:41 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 1:21:41 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 1:06:41 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 12:51:41 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 12:36:41 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 12:21:41 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 12:06:41 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 11:51:41 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 11:36:41 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 11:21:41 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 11:06:41 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 10:51:41 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 10:36:41 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 10:21:41 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 10:06:41 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 9:51:41 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/10/2023 9:36:41 AM	CONFIG	900	PID	ppm	SC23030303A9				9/5/2023	100.0	25.0	100.0	50.0	24	11/10/2023 9:36:41 AM	11/10/2023 3:36:41 PM	V2.22A
592-600822	11/6/2023 2:29:30 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 2:14:30 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 1:59:30 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 1:44:30 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 1:29:30 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 1:14:30 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 12:59:30 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 12:44:30 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 12:29:30 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 12:14:30 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 11:59:30 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 11:44:30 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 11:29:30 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 11:14:30 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 10:59:30 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 10:44:30 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 10:29:30 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 10:14:30 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 9:59:30 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 9:44:30 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0									
592-600822	11/6/2023 9:29:30 AM	CONFIG	900	PID	ppm	SC23030303A9				9/5/2023	100.0	25.0	100.0	50.0	20	11/6/2023 9:29:30 AM	11/6/2023 2:29:30 PM	V2.22A

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY

Down Wind Dust Data

November 20, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530153111
Firmware Version	3.1
Calibration Date	8/23/2023
Test Name	MANUAL_001
Test Start Time	10:42:09 AM
Test Start Date	11/20/2023
Test Length [D:H:M]	0:03:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.015
Mass Minimum [mg/m3]	0.012
Mass Maximum [mg/m3]	0.03
Mass TWA [mg/m3]	0.007
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	15

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.022		
1800	0.015		
2700	0.014		
3600	0.015		
4500	0.014		
5400	0.013		
6300	0.013		
7200	0.012		
8100	0.013		
9000	0.014		
9900	0.013		
10800	0.013		
11700	0.013		
12600	0.03		
13500	0.013		

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY

Up Wind Dust Data

November 20, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	10/11/2023
Test Name	UP_002
Test Start Time	10:40:55 AM
Test Start Date	11/20/2023
Test Length [D:H:M]	0:03:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.004
Mass Maximum [mg/m3]	0.009
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	15

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.009		
1800	0.007		
2700	0.007		
3600	0.006		
4500	0.005		
5400	0.006		
6300	0.005		
7200	0.004		
8100	0.005		
9000	0.005		
9900	0.004		
10800	0.005		
11700	0.005		
12600	0.005		
13500	0.005		

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY

Down Wind Dust Data

November 21, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530153111
Firmware Version	3.1
Calibration Date	8/23/2023
Test Name	MANUAL_002
Test Start Time	9:18:59 AM
Test Start Date	11/21/2023
Test Length [D:H:M]	0:03:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.027
Mass Minimum [mg/m3]	0.023
Mass Maximum [mg/m3]	0.031
Mass TWA [mg/m3]	0.011
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.029		
1800	0.026		
2700	0.027		
3600	0.029		
4500	0.03		
5400	0.031		
6300	0.026		
7200	0.026		
8100	0.025		
9000	0.024		
9900	0.025		
10800	0.025		
11700	0.023		

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY

Up Wind Dust Data

November 21, 2023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	10/11/2023
Test Name	UP_003
Test Start Time	9:24:53 AM
Test Start Date	11/21/2023
Test Length [D:H:M]	0:03:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.013
Mass Minimum [mg/m3]	0.01
Mass Maximum [mg/m3]	0.019
Mass TWA [mg/m3]	0.005
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.018		
1800	0.011		
2700	0.012		
3600	0.019		
4500	0.017		
5400	0.015		
6300	0.014		
7200	0.012		
8100	0.012		
9000	0.011		
9900	0.012		
10800	0.012		
11700	0.01		

Device Serial No	Log Time	Log Type	Log Interval	Sensor 1 Type	Sensor 1 Displa	Sensor 1 Serial Number	Sensor 1 Status	Sensor 1 Gas Reading	Sensor 1 Average Reading	Sensor 1 Last Cal	Sensor 1 Span Setpoint	Sensor 1 Span2 Setpoint	Sensor 1 High Alarm	Sensor 1 Low Alarm	Session Start Time	Session Stop Time	Firmware Version
592-600822	11/21/2023 1:29:11 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/21/2023 1:14:11 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/21/2023 12:59:11 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/21/2023 12:44:11 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/21/2023 12:29:11 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/21/2023 12:14:11 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/21/2023 11:59:11 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/21/2023 11:44:11 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/21/2023 11:29:11 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/21/2023 11:14:11 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/21/2023 10:59:11 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/21/2023 10:44:11 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/21/2023 10:29:11 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/21/2023 10:14:11 AM	CONFIG	900	PID	ppm	SC23030303A9				9/5/2023	100.0	1000.0	100.0	25.0	11/21/2023 10:14:11 AM	11/21/2023 1:29:11 PM	V2.22A
592-600822	11/20/2023 3:11:42 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/20/2023 2:56:42 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/20/2023 2:41:42 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/20/2023 2:26:42 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/20/2023 2:11:42 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/20/2023 1:56:42 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/20/2023 1:41:42 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/20/2023 1:26:42 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/20/2023 1:11:42 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/20/2023 12:56:42 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/20/2023 12:41:42 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/20/2023 12:26:42 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/20/2023 12:11:42 PM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/20/2023 11:56:42 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/20/2023 11:41:42 AM	Readings		PID		SC23030303A9	Normal	0.0	0.0								
592-600822	11/20/2023 11:26:42 AM	CONFIG	900	PID	ppm	SC23030303A9				9/5/2023	100.0	1000.0	100.0	25.0	11/20/2023 11:26:42 AM	11/20/2023 3:11:42 PM	V2.22A

Device Serial No	Log Time	Log Type	Log Interval	Sensor 1 Type	Sensor 1 Display	Sensor 1 Serial Number	Sensor 1 Status	Sensor 1 Gas Reading	Sensor 1 Average Reading	Sensor 1 Span Setpoint	Sensor 1 Span2 Setpoint	Sensor 1 High Alarm	Sensor 1 Low Alarm	Session Start Time	Session Stop Time	Firmware Version
592-904364	11/20/2023 12:55:49 AM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/20/2023 12:40:49 AM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/20/2023 12:25:49 AM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/20/2023 12:10:49 AM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/20/2023 11:55:49 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/20/2023 11:40:49 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/20/2023 11:25:49 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/20/2023 11:10:49 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/20/2023 10:55:49 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/20/2023 10:40:49 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/20/2023 10:25:49 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/20/2023 10:10:49 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/20/2023 9:55:49 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/20/2023 9:40:49 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/20/2023 9:25:49 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/20/2023 9:10:49 PM	CONFIG	900	PID	ppm	SC23030254WB				100.0	1000.0	100.0	50.0	11/20/2023 9:10:49 PM	11/20/2023 12:55:49 AM	V2.22A

Device Serial No	Log Time	Log Type	Log Interv	Sensor 1	Sensor 1 Display Unit	Sensor 1 Serial Number	Sensor 1 Status	Sensor 1 Gas Reading	Sensor 1 Average Reading	Sensor 1 Span Setpoint	Sensor 1 Span2 Setpoint	Sensor 1 High Alarm	Sensor 1 Low Alarm	Session Start Time	Session Stop Time	Firmware Version
592-904364	11/21/2023 11:08:00 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/21/2023 10:53:00 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/21/2023 10:38:00 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/21/2023 10:23:00 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/21/2023 10:08:00 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/21/2023 9:53:00 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/21/2023 9:38:00 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/21/2023 9:23:00 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/21/2023 9:08:00 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/21/2023 8:53:00 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/21/2023 8:38:00 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/21/2023 8:23:00 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/21/2023 8:08:00 PM	Readings		PID		SC23030254WB	Normal	0.0	0.0							
592-904364	11/21/2023 7:53:00 PM	CONFIG	900	PID	ppm	SC23030254WB				100.0	1000.0	100.0	50.0	11/21/2001 7:53:00 PM	11/21/2001 11:08:00 PM	V2.22A

F7

Waste Management Chaffee LF
10860 Olean Rd
Chaffee, NY, 14030
Ph: (716) 496-5000

Reprint
Ticket# 768511

Customer Name	ENVIRONMENTALADVANTAGE-124901	Carrier	DW DIRT WORKS		
Ticket Date	11/29/2023	Vehicle#	1011	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver			
Hauling Ticket#		Check#			
Route		Billing #	0005315		
State Waste Code		Gen EPA ID	NOT REQUIRED		
Manifest	13170978				
Destination					
PO	01304				
Profile	124901NY (NON HAZARDOUS SOIL MIXED WITH SOME URBAN FILL)				
Generator	190-MODPAC MOD PAC				

	Time	Scale	Operator	Inbound		
In	11/29/2023 14:00:44	INBOUND	mbaker13		Gross	57840 lb
Out	11/29/2023 14:00:44		mbaker13		Tare	29520 lb
					Net	28320 lb
					Tons	14.16

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	14.16	Tons				ERI

Total Fees
Total Ticket

Driver`s Signature _____OL1H8-1600

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1	

3. Generator's Mailing Address:
MOD-PAC C/O ENVIRONMENTAL ADVANTAGE, INC
ATTN: MARK HANNA
3636 NORTH BUFFALO RD.
ORCHARD PARK, NY 14127
4. Generator's Phone 716-667-3130

Generator's Site Address (If different than mailing):
MOD-PAC
1801 ELMWOOD AVE.
BUFFALO, NY 14207

A. Manifest Number: **WMNA** 13170978
B. State Generator's ID:

5. Transporter 1 Company Name: Dirt Works
6. US EPA ID Number:
C. State Transporter's ID: GA-986
D. Transporter's Phone:

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address:
WM OF NEW YORK AT CHAFFEE LANDFILL
10860 OLEAN RD.
CHAFFEE, NY 14030
10. US EPA ID Number:
G. State Facility ID:
H. State Facility Phone: 716-496-5192

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON DOT REGULATED MATERIAL WM Profile # 124901NY	1	DT	CY 20	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
124091NY – NH Soil and Urban Fill
WEIGHT IS ESTIMATED

Purchase Order #
EMERGENCY CONTACT / PHONE NO.: 716 667 3130

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature	Month	Day	Year
Konrad Sontag		11	29	23

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Lucas Groh		11	29	23

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
M. Baker	M. Baker	11	29	23

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

WASTE MANAGEMENT

Waste Management Chaffee LF
10860 Olean Rd
Chaffee, NY, 14030
Ph: (716) 496-5000

Reprint
Ticket# 768546

Customer Name	ENVIRONMENTALADVANTAGE-124901	Carrier	DW DIRT WORKS		
Ticket Date	11/30/2023	Vehicle#	1011	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver			
Hauling Ticket#		Check#			
Route		Billing #	0005315		
State Waste Code		Gen EPA ID	NOT REQUIRED		
Manifest	13170977				
Destination					
PO	01304				
Profile	124901NY (NON HAZARDOUS SOIL MIXED WITH SOME URBAN FILL)				
Generator	190-MODPAC MOD PAC				

	Time	Scale	Operator	Inbound		
In	11/30/2023 07:29:52	INBOUND	JChapma7		Gross	53780 lb
Out	11/30/2023 07:29:52		JChapma7		Tare	29520 lb
					Net	24260 lb
					Tons	12.13

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	12.13	Tons				ERI

Total Fees
Total Ticket

Driver`s Signature _____OL1H8-1600

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1	

3. Generator's Mailing Address:
MOD-PAC C/O ENVIRONMENTAL ADVANTAGE, INC
ATTN: MARK HANNA
3636 NORTH BUFFALO RD.
ORCHARD PARK, NY 14127
4. Generator's Phone 716-667-3130

Generator's Site Address (If different than mailing):
MOD-PAC
1801 ELMWOOD AVE.
BUFFALO, NY 14207

A. Manifest Number: **WMNA** 13170977
B. State Generator's ID:

5. Transporter 1 Company Name: Dirt Works
6. US EPA ID Number:
C. State Transporter's ID: 9A-986
D. Transporter's Phone:

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
WM OF NEW YORK AT CHAFFEE LANDFILL
10860 OLEAN RD.
CHAFFEE, NY 14030
10. US EPA ID Number:
G. State Facility ID:
H. State Facility Phone: 716-496-5192

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON DOT REGULATED MATERIAL WM Profile # 124901NY	1	DT	est 20	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
124091NY – NH Soil and Urban Fill
WEIGHT IS ESTIMATED

Purchase Order #
EMERGENCY CONTACT / PHONE NO.: 716 667 3130

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature	Month	Day	Year
Konrad Sontag		11	30	23

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Lucas Groh		11	30	23

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
M. Bailey	M. Bailey	11	30	23

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Waste Management Chaffee LF
10860 Olean Rd
Chaffee, NY, 14030
Ph: (716) 496-5000

Reprint
Ticket# 768555

Customer Name	ENVIRONMENTALADVANTAGE-124901	Carrier	CASELLA CASELLA WASTE MANAGEMENT
Ticket Date	11/30/2023	Vehicle#	4750
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0005315
State Waste Code		Gen EPA ID	NOT REQUIRED
Manifest	13170986		
Destination			
PO	01304		
Profile	124901NY (NON HAZARDOUS SOIL MIXED WITH SOME URBAN FILL)		
Generator	190-MODPAC MOD PAC		

Volume

	Time	Scale	Operator	Inbound		
In	11/30/2023 08:17:39	INBOUND	JChapma7		Gross	60220 lb
Out	11/30/2023 08:42:24	OUTBOUND	mbaker13		Tare	36080 lb
					Net	24140 lb
					Tons	12.07

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	12.07	Tons				ERI

Total Fees
Total Ticket

Driver`s Signature _____OL1H8-1600

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1	

3. Generator's Mailing Address:
MOD-PAC C/O ENVIRONMENTAL ADVANTAGE, INC
ATTN: MARK HANNA
3636 NORTH BUFFALO RD.
ORCHARD PARK, NY 14127
4. Generator's Phone 716-667-3130

Generator's Site Address (If different than mailing):
MOD-PAC
1801 ELMWOOD AVE.
BUFFALO, NY 14207

A. Manifest Number: **WMNA** 13170986
B. State Generator's ID

5. Transporter 1 Company Name: Casella Waste 4750
6. US EPA ID Number
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
WM OF NEW YORK AT CHAFFEE LANDFILL
10860 OLEAN RD.
CHAFFEE, NY 14030
10. US EPA ID Number
G. State Facility ID
H. State Facility Phone 716-496-5192

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON DOT REGULATED MATERIAL WM Profile # 124901NY	1	CM	est 20	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
124091NY – NH Soil and Urban Fill
WEIGHT IS ESTIMATED

Purchase Order # EMERGENCY CONTACT / PHONE NO.: 716 667 3130

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature	Month	Day	Year
Konrad Sontag		11	30	23

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Sean Burton		11	30	23

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

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Printed Name	Signature	Month	Day	Year
		11	30	23

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Waste Management Chaffee LF
10860 Olean Rd
Chaffee, NY, 14030
Ph: (716) 496-5000

Reprint
Ticket# 768613

Customer Name	ENVIRONMENTALADVANTAGE-124901	Carrier	CASELLA CASELLA WASTE MANAGEMENT
Ticket Date	11/30/2023	Vehicle#	4750
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0005315
State Waste Code		Gen EPA ID	NOT REQUIRED
Manifest	13170980		
Destination			
PO	01304		
Profile	124901NY (NON HAZARDOUS SOIL MIXED WITH SOME URBAN FILL)		
Generator	190-MODPAC MOD PAC		

Volume

	Time	Scale	Operator	Inbound		
In	11/30/2023 11:29:24	INBOUND	JChapma7		Gross	61720 lb
Out	11/30/2023 11:45:54	OUTBOUND	JChapma7		Tare	36200 lb
					Net	25520 lb
					Tons	12.76

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	12.76	Tons				ERI

Total Fees
Total Ticket

Driver`s Signature _____OL1H8-1600

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1	

3. Generator's Mailing Address:
MOD-PAC C/O ENVIRONMENTAL ADVANTAGE, INC
ATTN: MARK HANNA
3636 NORTH BUFFALO RD.
ORCHARD PARK, NY 14127
4. Generator's Phone 716-667-3130

Generator's Site Address (If different than mailing):
MOD-PAC
1801 ELMWOOD AVE.
BUFFALO, NY 14207

A. Manifest Number **WMNA** 13170980
B. State Generator's ID

5. Transporter 1 Company Name CaSella Waste
6. US EPA ID Number
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
WM OF NEW YORK AT CHAFFEE LANDFILL
10860 OLEAN RD.
CHAFFEE, NY 14030
10. US EPA ID Number
G. State Facility ID
H. State Facility Phone 716-496-5192

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON DOT REGULATED MATERIAL WM Profile # 124901NY	1	CM	est 20	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
124091NY – NH Soil and Urban Fill
WEIGHT IS ESTIMATED

Purchase Order # EMERGENCY CONTACT / PHONE NO.: 716 667 3130

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature	Month	Day	Year
Konrad Sontag		11	30	23

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Sean Burrows		11	30	23

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

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Printed Name	Signature	Month	Day	Year
		11	30	23

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Swift River Associates, Inc.

4051 RIVER ROAD
TONAWANDA, NEW YORK 14150
SCALE: (716) 875-0902 FAX: (716) 875-0088

Recycled Crushed Concrete Products

TIPPING FEE CHARGES

CUSTOMER NAME: [illegible]

TICKET # 112478

DATE 11/29/12

TIME 12:10pm

JOB # [illegible]

CUSTOMER P.O. #

☐ SINGLE AXLE ☑ TANDEM ☐ TRACTOR ☐ ROLL-OFF

PRODUCT: CONCRETE / BLACKTOP / STONE TO DUMP

LOCATION: ☑ RIVER RD. ☐ LANCASTER ☐ NIAGARA FALLS

WEIGHMASTERS: S.RAWE / E. RAWE
N.Y.S. LICENSE #140331 / 601381

TRUCK NO. ______ TRUCKING CO.: [illegible]

TRUCKER'S SIGNATURE ______

Swift River Associates, Inc.

4051 RIVER ROAD
TONAWANDA, NEW YORK 14150
SCALE: (716) 875-0902 FAX: (716) 875-0088

Recycled Crushed Concrete Products

TIPPING FEE CHARGES

CUSTOMER NAME Earthworks

TICKET # 112473

DATE 11/19/13

TIME 11:10am

JOB # Niag. PRC

CUSTOMER P.O. #

☐ SINGLE AXLE ☒ TANDEM ☐ TRACTOR ☐ ROLL-OFF

PRODUCT CONCRETE / BLACKTOP / STONE TO DUMP

LOCATION: ☒ RIVER RD. ☐ LANCASTER ☐ NIAGARA FALLS

WEIGHMASTERS: **S.RAWE / E. RAWE**
N.Y.S. LICENSE #140331 / 601381

TRUCK NO. ____________ TRUCKING CO.: Earthworks

TRUCKER'S SIGNATURE ____________

AMERICAN RECYCLERS COMPANY
Waste Profile Report (WPR)

177 Wales Avenue Tonawanda, New York 14151 *Phone (716) 695-6720 Fax (716) 695-0161*	**APPROVAL NUMBER:** H-24086T **EXPIRATION DATE:** 04/29/25 **HANDLING CODE:** T

Generator: MOD-PAC CORP Site ID #C915314 EPA ID #:

Address: 1801 Elmwood Ave Contact: Mike Sobczynski

City Buffalo STATE: NY ZIP: 14207 Phone: 716-566-9299 Fax:

Waste Name: Excavation Water	Shipping Name: Non RCRA Non DOT Regulated
Generating Process: excavation water from line break	
	Rate of Generation: Once
	Container Type: 55 Gal Steel 1A2

Composition of Waste	%		%
Water	95 - 100		
Dirt/Grit	0 - 5		

Phase	%
Solids	
Liquid	
Sludge	
Debris	

Is the material RCRA listed or Characteristicly Hazardous?	☐ YES	☒ NO
Does the material contain Medical or Biological Wastes?	☐ YES	☒ NO
Does the material contain etiological waste?	☐ YES	☒ NO
Does the material contain, or has it come in contact with PCB's?	☐ YES	☒ NO
Is the material radioactive?	☐ YES	☒ NO
Does the material contain septic or domestic sewage?	☐ YES	☒ NO
Is the material Non-Hazardous as defined by RCRA Title 40?	☒ YES	☐ NO

Check all below which apply:

Material is to be shipped and recycled as Universal Waste	☐ YES	☒ NO
Material is to be shipped and recycled under 6 NYCRR Part 371.1(g)(1)(ii)(b) *(ie Computer Equipment & monitors)*	☐ YES	☒ NO
Material is being shipped for disposal/recycle via facility transfer/consolidation permit	☒ YES	☐ NO
Material is a Labpack and all contents are CERTIFIED as Non-RCRA	☐ YES	☒ NO
List all Lab Pack Container Numbers: *(Attach packing slips to profile)*		

I certify that the above submitted information (including any attachments) is true, accurate and complete to the best of my knowledge and ability and that all known and suspected hazards have been disclosed. All material offered herein is deemed Non-RCRA.

Signer Title Project Manager

Company Environmental Advantage, Inc.

Signed: Mary Szustak **Print:** Mary M. Szustak on behalf of MOD-PAC CORP. **Date:** 4/29/2024

ARC Presonel Reviewed and Approved by:

Approved by: Thomas J Martin **Print: Tom Martin** **Date:** 04/29/24

ANALYTICAL REPORT

Lab Number:	L2421709
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	MPC SINK HOLE WC
Project Number:	01304
Report Date:	04/29/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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

Project Name: MPC SINK HOLE WC
Project Number: 01304

Lab Number: L2421709
Report Date: 04/29/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2421709-01	ELMWOOD LOT	WATER	1801 ELMWOOD AVE	04/17/24 14:00	04/19/24

Project Name:	MPC SINK HOLE WC	**Lab Number:**	L2421709
Project Number:	01304	**Report Date:**	04/29/24

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:	MPC SINK HOLE WC	**Lab Number:**	L2421709
Project Number:	01304	**Report Date:**	04/29/24

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

L2421709-01D: The sample has elevated detection limits due to the dilution required by the sample matrix (cloudy).

L2421709-01D: The pH was greater than two; however, the sample was analyzed within the method required holding time.

Semivolatile Organics

L2421709-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Semivolatile Organics by SIM

L2421709-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

L2421709-01D: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (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.

The WG1912134-1 Method Blank, associated with L2421709-01D, has concentrations above the reporting limits for naphthalene and 2-methylnaphthalene. Since the associated sample concentrations are either greater than 10x the blank concentrations or non-detect to the RL for these target analytes, no corrective action is required. Any results detected below the reporting limits are qualified with a "B".

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: Caitlin Walukevich Caitlin Walukevich

Title: Technical Director/Representative Date: 04/29/24

ORGANICS

VOLATILES

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

SAMPLE RESULTS

Lab ID: L2421709-01 D
Client ID: ELMWOOD LOT
Sample Location: 1801 ELMWOOD AVE

Date Collected: 04/17/24 14:00
Date Received: 04/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/23/24 05:23
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	ND		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.8	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	ND		ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	ND		ug/l	25	6.6	50
1,1,1-Trichloroethane	ND		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	8.4	50
Benzene	ND		ug/l	25	8.0	50
Toluene	ND		ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	ND		ug/l	50	3.6	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	ND		ug/l	25	8.4	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50
Trichloroethene	ND		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

SAMPLE RESULTS

Lab ID: L2421709-01 D
Client ID: ELMWOOD LOT
Sample Location: 1801 ELMWOOD AVE
Date Collected: 04/17/24 14:00
Date Received: 04/19/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	8.3	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	ND		ug/l	120	35.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	560		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	2300		ug/l	250	97.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
Methyl Acetate	ND		ug/l	100	12.	50
Cyclohexane	ND		ug/l	500	14.	50
1,4-Dioxane	ND		ug/l	12000	3000	50
Freon-113	ND		ug/l	120	35.	50
Methyl cyclohexane	ND		ug/l	500	20.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	109		70-130

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/22/24 20:58
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1912280-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/22/24 20:58
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1912280-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/22/24 20:58
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1912280-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC SINK HOLE WC
Project Number: 01304

Lab Number: L2421709
Report Date: 04/29/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1912280-3 WG1912280-4								
Methylene chloride	87		86		70-130	1		20
1,1-Dichloroethane	90		93		70-130	3		20
Chloroform	92		93		70-130	1		20
Carbon tetrachloride	86		85		63-132	1		20
1,2-Dichloropropane	90		91		70-130	1		20
Dibromochloromethane	96		90		63-130	6		20
1,1,2-Trichloroethane	93		92		70-130	1		20
Tetrachloroethene	96		94		70-130	2		20
Chlorobenzene	92		92		75-130	0		20
Trichlorofluoromethane	77		75		62-150	3		20
1,2-Dichloroethane	90		89		70-130	1		20
1,1,1-Trichloroethane	93		93		67-130	0		20
Bromodichloromethane	89		88		67-130	1		20
trans-1,3-Dichloropropene	92		90		70-130	2		20
cis-1,3-Dichloropropene	90		91		70-130	1		20
Bromoform	89		86		54-136	3		20
1,1,2,2-Tetrachloroethane	92		90		67-130	2		20
Benzene	92		92		70-130	0		20
Toluene	95		93		70-130	2		20
Ethylbenzene	92		90		70-130	2		20
Chloromethane	72		73		64-130	1		20
Bromomethane	64		75		39-139	16		20
Vinyl chloride	74		73		55-140	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC SINK HOLE WC
Project Number: 01304

Lab Number: L2421709
Report Date: 04/29/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1912280-3 WG1912280-4								
Chloroethane	90		85		55-138	6		20
1,1-Dichloroethene	78		79		61-145	1		20
trans-1,2-Dichloroethene	94		93		70-130	1		20
Trichloroethene	83		81		70-130	2		20
1,2-Dichlorobenzene	93		91		70-130	2		20
1,3-Dichlorobenzene	92		93		70-130	1		20
1,4-Dichlorobenzene	91		91		70-130	0		20
Methyl tert butyl ether	94		96		63-130	2		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	94		93		70-130	1		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	70		68		36-147	3		20
Acetone	88		78		58-148	12		20
Carbon disulfide	76		76		51-130	0		20
2-Butanone	74		77		63-138	4		20
4-Methyl-2-pentanone	90		82		59-130	9		20
2-Hexanone	82		79		57-130	4		20
Bromochloromethane	96		97		70-130	1		20
1,2-Dibromoethane	97		95		70-130	2		20
1,2-Dibromo-3-chloropropane	91		91		41-144	0		20
Isopropylbenzene	92		91		70-130	1		20
1,2,3-Trichlorobenzene	98		97		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MPC SINK HOLE WC

Project Number: 01304

Lab Number: L2421709

Report Date: 04/29/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1912280-3 WG1912280-4								
1,2,4-Trichlorobenzene	94		94		70-130	0		20
Methyl Acetate	89		91		70-130	2		20
Cyclohexane	90		88		70-130	2		20
1,4-Dioxane	100		96		56-162	4		20
Freon-113	77		75		70-130	3		20
Methyl cyclohexane	90		86		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		99		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	102		100		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

SAMPLE RESULTS

Lab ID: L2421709-01 D
Client ID: ELMWOOD LOT
Sample Location: 1801 ELMWOOD AVE

Date Collected: 04/17/24 14:00
Date Received: 04/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/25/24 10:42
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/24/24 09:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	10	2.5	5
3,3'-Dichlorobenzidine	ND		ug/l	25	8.1	5
2,4-Dinitrotoluene	ND		ug/l	25	5.8	5
2,6-Dinitrotoluene	ND		ug/l	25	4.6	5
4-Chlorophenyl phenyl ether	ND		ug/l	10	2.4	5
4-Bromophenyl phenyl ether	ND		ug/l	10	1.9	5
Bis(2-chloroisopropyl)ether	ND		ug/l	10	2.6	5
Bis(2-chloroethoxy)methane	ND		ug/l	25	2.5	5
Hexachlorocyclopentadiene	ND		ug/l	100	3.4	5
Isophorone	ND		ug/l	25	6.0	5
Nitrobenzene	ND		ug/l	10	3.8	5
NDPA/DPA	ND		ug/l	10	2.1	5
n-Nitrosodi-n-propylamine	ND		ug/l	25	3.2	5
Bis(2-ethylhexyl)phthalate	70.		ug/l	15	7.7	5
Butyl benzyl phthalate	ND		ug/l	25	5.8	5
Di-n-butylphthalate	ND		ug/l	25	1.9	5
Di-n-octylphthalate	ND		ug/l	25	6.4	5
Diethyl phthalate	ND		ug/l	25	1.9	5
Dimethyl phthalate	ND		ug/l	25	9.1	5
Biphenyl	ND		ug/l	10	2.3	5
4-Chloroaniline	ND		ug/l	25	5.3	5
2-Nitroaniline	ND		ug/l	25	2.5	5
3-Nitroaniline	ND		ug/l	25	4.1	5
4-Nitroaniline	ND		ug/l	25	4.0	5
Dibenzofuran	ND		ug/l	10	2.5	5
1,2,4,5-Tetrachlorobenzene	ND		ug/l	50	2.2	5
Acetophenone	ND		ug/l	25	2.6	5
2,4,6-Trichlorophenol	ND		ug/l	25	3.0	5

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

SAMPLE RESULTS

Lab ID: L2421709-01 D
Client ID: ELMWOOD LOT
Sample Location: 1801 ELMWOOD AVE
Date Collected: 04/17/24 14:00
Date Received: 04/19/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	10	1.8	5
2-Chlorophenol	ND		ug/l	10	2.4	5
2,4-Dichlorophenol	ND		ug/l	25	2.0	5
2,4-Dimethylphenol	ND		ug/l	25	8.9	5
2-Nitrophenol	ND		ug/l	50	4.2	5
4-Nitrophenol	ND		ug/l	50	3.4	5
2,4-Dinitrophenol	ND		ug/l	100	33.	5
4,6-Dinitro-o-cresol	ND		ug/l	50	9.1	5
Phenol	15.	J	ug/l	25	2.8	5
2-Methylphenol	ND		ug/l	25	2.4	5
3-Methylphenol/4-Methylphenol	160		ug/l	25	2.4	5
2,4,5-Trichlorophenol	ND		ug/l	25	3.9	5
Carbazole	ND		ug/l	10	2.4	5
Atrazine	ND		ug/l	50	3.8	5
Benzaldehyde	ND		ug/l	25	2.6	5
Caprolactam	ND		ug/l	50	16.	5
2,3,4,6-Tetrachlorophenol	ND		ug/l	25	4.2	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	58		41-149

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

SAMPLE RESULTS

Lab ID: L2421709-01 D
Client ID: ELMWOOD LOT
Sample Location: 1801 ELMWOOD AVE

Date Collected: 04/17/24 14:00
Date Received: 04/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/25/24 16:45
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 04/24/24 09:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.29	20
2-Chloronaphthalene	ND		ug/l	4.0	0.36	20
Fluoranthene	5.8		ug/l	2.0	0.41	20
Hexachlorobutadiene	ND		ug/l	10	0.93	20
Naphthalene	ND		ug/l	2.0	0.98	20
Benzo(a)anthracene	3.2		ug/l	2.0	0.40	20
Benzo(a)pyrene	4.6		ug/l	2.0	0.30	20
Benzo(b)fluoranthene	7.3		ug/l	2.0	0.23	20
Benzo(k)fluoranthene	2.3		ug/l	2.0	0.18	20
Chrysene	3.9		ug/l	2.0	0.24	20
Acenaphthylene	0.34	J	ug/l	2.0	0.24	20
Anthracene	0.88	J	ug/l	2.0	0.29	20
Benzo(ghi)perylene	4.2		ug/l	2.0	0.27	20
Fluorene	ND		ug/l	2.0	0.29	20
Phenanthrene	2.1		ug/l	2.0	0.47	20
Dibenzo(a,h)anthracene	0.84	J	ug/l	2.0	0.25	20
Indeno(1,2,3-cd)pyrene	4.0		ug/l	2.0	0.24	20
Pyrene	5.1		ug/l	2.0	0.38	20
2-Methylnaphthalene	ND		ug/l	2.0	0.44	20
Pentachlorophenol	1.2	J	ug/l	16	0.29	20
Hexachlorobenzene	ND		ug/l	16	0.19	20
Hexachloroethane	ND		ug/l	16	1.3	20

Project Name: MPC SINK HOLE WC
Lab Number: L2421709
Project Number: 01304
Report Date: 04/29/24

SAMPLE RESULTS

Lab ID: L2421709-01 D
Client ID: ELMWOOD LOT
Sample Location: 1801 ELMWOOD AVE

Date Collected: 04/17/24 14:00
Date Received: 04/19/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	21-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	15-120
2,4,6-Tribromophenol	**0**	Q	10-120
4-Terphenyl-d14	**0**	Q	41-149

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/23/24 22:36
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/23/24 11:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1912133-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/23/24 22:36
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/23/24 11:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1912133-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	60		41-149

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/24/24 07:38
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 04/23/24 11:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1912134-1					
Acenaphthene	0.02	J	ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	0.53		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	0.02	J	ug/l	0.10	0.01
Phenanthrene	0.02	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	0.19		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/24/24 07:38
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 04/23/24 11:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1912134-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	54		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1912133-2 WG1912133-3								
Bis(2-chloroethyl)ether	60		52		40-140	14		30
3,3'-Dichlorobenzidine	54		**36**	Q	40-140	**40**	Q	30
2,4-Dinitrotoluene	63		58		48-143	8		30
2,6-Dinitrotoluene	65		62		40-140	5		30
4-Chlorophenyl phenyl ether	55		51		40-140	8		30
4-Bromophenyl phenyl ether	59		53		40-140	11		30
Bis(2-chloroisopropyl)ether	54		50		40-140	8		30
Bis(2-chloroethoxy)methane	63		58		40-140	8		30
Hexachlorocyclopentadiene	57		52		40-140	9		30
Isophorone	64		57		40-140	12		30
Nitrobenzene	63		57		40-140	10		30
NDPA/DPA	59		54		40-140	9		30
n-Nitrosodi-n-propylamine	65		57		29-132	13		30
Bis(2-ethylhexyl)phthalate	63		58		40-140	8		30
Butyl benzyl phthalate	64		60		40-140	6		30
Di-n-butylphthalate	64		59		40-140	8		30
Di-n-octylphthalate	63		58		40-140	8		30
Diethyl phthalate	64		59		40-140	8		30
Dimethyl phthalate	65		56		40-140	15		30
Biphenyl	58		52		40-140	11		30
4-Chloroaniline	61		57		40-140	7		30
2-Nitroaniline	63		61		52-143	3		30
3-Nitroaniline	59		48		25-145	21		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1912133-2 WG1912133-3								
4-Nitroaniline	57		54		51-143	5		30
Dibenzofuran	56		52		40-140	7		30
1,2,4,5-Tetrachlorobenzene	54		50		2-134	8		30
Acetophenone	57		54		39-129	5		30
2,4,6-Trichlorophenol	61		56		30-130	9		30
p-Chloro-m-cresol	64		58		23-97	10		30
2-Chlorophenol	59		53		27-123	11		30
2,4-Dichlorophenol	64		59		30-130	8		30
2,4-Dimethylphenol	68		63		30-130	8		30
2-Nitrophenol	62		60		30-130	3		30
4-Nitrophenol	62		61		10-80	2		30
2,4-Dinitrophenol	69		70		20-130	1		30
4,6-Dinitro-o-cresol	70		68		20-164	3		30
Phenol	40		38		12-110	5		30
2-Methylphenol	60		54		30-130	11		30
3-Methylphenol/4-Methylphenol	60		54		30-130	11		30
2,4,5-Trichlorophenol	63		58		30-130	8		30
Carbazole	55		**51**	Q	55-144	8		30
Atrazine	66		59		40-140	11		30
Benzaldehyde	114		103		40-140	10		30
Caprolactam	31		30		10-130	3		30
2,3,4,6-Tetrachlorophenol	64		58		40-140	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC SINK HOLE WC
Project Number: 01304

Lab Number: L2421709
Report Date: 04/29/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1912133-2 WG1912133-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		45		21-120
Phenol-d6	44		40		10-120
Nitrobenzene-d5	65		59		23-120
2-Fluorobiphenyl	58		52		15-120
2,4,6-Tribromophenol	62		57		10-120
4-Terphenyl-d14	53		49		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC SINK HOLE WC
Project Number: 01304

Lab Number: L2421709
Report Date: 04/29/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1912134-2 WG1912134-3								
Acenaphthene	66		65		40-140	2		40
2-Chloronaphthalene	63		61		40-140	3		40
Fluoranthene	61		60		40-140	2		40
Hexachlorobutadiene	66		67		40-140	2		40
Naphthalene	62		60		40-140	3		40
Benzo(a)anthracene	73		72		40-140	1		40
Benzo(a)pyrene	62		61		40-140	2		40
Benzo(b)fluoranthene	66		65		40-140	2		40
Benzo(k)fluoranthene	63		60		40-140	5		40
Chrysene	69		66		40-140	4		40
Acenaphthylene	64		62		40-140	3		40
Anthracene	68		66		40-140	3		40
Benzo(ghi)perylene	55		54		40-140	2		40
Fluorene	67		66		40-140	2		40
Phenanthrene	66		64		40-140	3		40
Dibenzo(a,h)anthracene	56		55		40-140	2		40
Indeno(1,2,3-cd)pyrene	62		60		40-140	3		40
Pyrene	60		58		40-140	3		40
2-Methylnaphthalene	62		61		40-140	2		40
Pentachlorophenol	78		79		40-140	1		40
Hexachlorobenzene	76		75		40-140	1		40
Hexachloroethane	63		62		40-140	2		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1912134-2 WG1912134-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		54		21-120
Phenol-d6	48		47		10-120
Nitrobenzene-d5	74		72		23-120
2-Fluorobiphenyl	62		59		15-120
2,4,6-Tribromophenol	95		94		10-120
4-Terphenyl-d14	47		46		41-149

METALS

Project Name: MPC SINK HOLE WC
Lab Number: L2421709
Project Number: 01304
Report Date: 04/29/24

SAMPLE RESULTS

Lab ID: L2421709-01
Client ID: ELMWOOD LOT
Sample Location: 1801 ELMWOOD AVE
Date Collected: 04/17/24 14:00
Date Received: 04/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.01257		mg/l	0.00050	0.00016	1	04/24/24 18:35	04/28/24 16:02	EPA 3005A	1,6020B	WKP
Barium, Total	0.1818		mg/l	0.00250	0.00086	5	04/24/24 18:35	04/28/24 15:22	EPA 3005A	1,6020B	WKP
Cadmium, Total	0.00236		mg/l	0.00020	0.00005	1	04/24/24 18:35	04/28/24 16:02	EPA 3005A	1,6020B	WKP
Chromium, Total	0.01910		mg/l	0.00100	0.00017	1	04/24/24 18:35	04/28/24 16:02	EPA 3005A	1,6020B	WKP
Lead, Total	0.2571		mg/l	0.00500	0.00171	5	04/24/24 18:35	04/28/24 15:22	EPA 3005A	1,6020B	WKP
Mercury, Total	0.00025		mg/l	0.00020	0.00009	1	04/24/24 21:05	04/26/24 12:28	EPA 7470A	1,7470A	MJR
Selenium, Total	0.00839		mg/l	0.00500	0.00173	1	04/24/24 18:35	04/28/24 16:02	EPA 3005A	1,6020B	WKP
Silver, Total	0.00042		mg/l	0.00040	0.00016	1	04/24/24 18:35	04/28/24 16:02	EPA 3005A	1,6020B	WKP

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

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 Batch: WG1912868-1										
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/24/24 18:35	04/28/24 14:44	1,6020B	WKP
Barium, Total	ND		mg/l	0.00050	0.00017	1	04/24/24 18:35	04/28/24 14:44	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/24/24 18:35	04/28/24 14:44	1,6020B	WKP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/24/24 18:35	04/28/24 14:44	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/24/24 18:35	04/28/24 14:44	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/24/24 18:35	04/28/24 14:44	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/24/24 18:35	04/28/24 14:44	1,6020B	WKP

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1912870-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/24/24 21:05	04/26/24 12:12	1,7470A	MJR

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: MPC SINK HOLE WC

Project Number: 01304

Lab Number: L2421709

Report Date: 04/29/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1912868-2								
Arsenic, Total	111		-		80-120	-		
Barium, Total	107		-		80-120	-		
Cadmium, Total	108		-		80-120	-		
Chromium, Total	118		-		80-120	-		
Lead, Total	107		-		80-120	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	107		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1912870-2								
Mercury, Total	104		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: MPC SINK HOLE WC
Project Number: 01304

Lab Number: L2421709
Report Date: 04/29/24

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 QC Batch ID: WG1912868-3 QC Sample: L2421765-04 Client ID: MS Sample												
Arsenic, Total	0.00019J	0.12	0.1322	110		-	-		75-125	-		20
Barium, Total	0.05348	2	2.217	108		-	-		75-125	-		20
Cadmium, Total	0.00009J	0.053	0.05565	105		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.2266	113		-	-		75-125	-		20
Lead, Total	ND	0.53	0.6168	116		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.142	118		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05230	105		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1912870-3 QC Sample: L2421765-05 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00477	95		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: MPC SINK HOLE WC
Project Number: 01304

Lab Number: L2421709
Report Date: 04/29/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1912868-4 QC Sample: L2421765-04 Client ID: DUP Sample						
Arsenic, Total	0.00019J	ND	mg/l	NC		20
Barium, Total	0.05348	0.05452	mg/l	2		20
Cadmium, Total	0.00009J	0.00008J	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1912870-4 QC Sample: L2421765-05 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: MPC SINK HOLE WC
Project Number: 01304

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2421709
Report Date: 04/29/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1912868-6 QC Sample: L2421765-04 Client ID: DUP Sample						
Barium, Total	0.05348	0.05544	mg/l	4		20

INORGANICS
&
MISCELLANEOUS

Project Name: MPC SINK HOLE WC
Project Number: 01304
Lab Number: L2421709
Report Date: 04/29/24

SAMPLE RESULTS

Lab ID: L2421709-01
Client ID: ELMWOOD LOT
Sample Location: 1801 ELMWOOD AVE
Sample Depth:
Matrix: Water

Date Collected: 04/17/24 14:00
Date Received: 04/19/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	4.94		SU	-	NA	1	-	04/26/24 02:53	1,9040C	CAR

Lab Control Sample Analysis

Batch Quality Control

Project Name: MPC SINK HOLE WC

Project Number: 01304

Lab Number: L2421709

Report Date: 04/29/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1913530-1								
pH	100		-		99-101	-		5

Lab Duplicate Analysis

Batch Quality Control

Project Name: MPC SINK HOLE WC

Project Number: 01304

Lab Number: L2421709

Report Date: 04/29/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1913530-2 QC Sample: L2422021-02 Client ID: DUP Sample						
pH	9.05	9.12	SU	1		5

Project Name: MPC SINK HOLE WC
Project Number: 01304

Lab Number: L2421709
Report Date: 04/29/24

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(*)
L2421709-01A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2421709-01B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2421709-01C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2421709-01D	Plastic 250ml unpreserved	A	5	5	4.1	Y	Absent		PH-9040(1)
L2421709-01E	Plastic 250ml HNO3 preserved	A	<2	<2	4.1	Y	Absent		BA-6020T(180),SE-6020T(180),CR-6020T(180),PB-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L2421709-01F	Amber 250ml unpreserved	A	5	5	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2421709-01G	Amber 250ml unpreserved	A	5	5	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name:	MPC SINK HOLE WC	**Lab Number:**	L2421709
Project Number:	01304	**Report Date:**	04/29/24

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.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	MPC SINK HOLE WC	**Lab Number:**	L2421709
Project Number:	01304	**Report Date:**	04/29/24

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

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	MPC SINK HOLE WC	**Lab Number:**	L2421709
Project Number:	01304	**Report Date:**	04/29/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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 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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	MPC SINK HOLE WC	**Lab Number:**	L2421709
Project Number:	01304	**Report Date:**	04/29/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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.
Nonpotable Water: EPA RSK-175 Dissolved 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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

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, EPA 537.1.

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

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: 4/20/24

ALPHA Job #: L2408709

Client Information

Client: Env Advantage, Inc
Address: 3636 N. Buffalo Rd
Orchard Park NY 14127
Phone: 716 667 3130
Fax: 716 667 3156
Email: mhanna@envadvantage.com

Project Information

Project Name: MPE Sink Hole Water Characterization
Project Location: 1801 Elmwood Ave
Project #: 01304
(Use Project name as Project #)
Project Manager: Mark Hanna + Mary Szustak
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

[X] Same as Client Info
PO # 01304

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 also email results to labresults@envadvantage.com

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	RCRA metals	VOC 8260	SVOC 8270	PH	Total # Bottles
2408709 01	Elmwood 1st	4/19/24	14:00	GW	CS	X	X	X	X	7

Sample Specific Comments

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	P	V	A	P
Preservative	C	B	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
Calli Snyder	4/19/24 13:3[illegible]	P Bishop	13:50
P Bishop	4-19-24 15:42		4/20/24 0030

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)

DIRT WO 'S INC.
11518 Jam' oad
East Aurora, NY 14052
716-863-1744
email: dirtworks27@yahoo.com
www.dirtworkswny.com

Invoice #
1329

JOB #_____

CUSTOMER Enu Adu | DATE 7-10-24

LOAD LOCATION Mod Pac | DUMP LOCATION

TRUCK # & DRIVER ST Lucas

☐ DUMP TRUCK SERVICE

☐ DUMP TRAILER SERVICE

☐ OTHER_____

MATERIAL HAULED 9A drums

JOB START _____

JOB FINISH _____

TRAVEL TIME _____

☐ LUNCH ☐ NO LUNCH

TOTAL 2

LD #	TICKET #	WEIGHT	WAIT TIME ON JOB IN – OUT	REMARKS SPECIFY: ON "HOLD" @ PLANT, TOLLS, DUMP LOCATIONS, ETC.
1		Pick up drums at		
2			–	
3		Mod Pac		
4			–	
5			–	
6			–	
7			–	
8			–	
9			–	
10			–	
11			–	
12			–	
13			–	
14			–	
15			–	

OUR RESPONSIBILITY ENDS AT THE CURB

CUSTOMER'S SIGNATURE:_____

OFFICE - White & Yellow • CUSTOMER - Pink

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	(716) 667-3130	01304

GENERATOR

5. Generator's Name and Mailing Address
MOD-PAC CORP BCP#C915314
1801 Elmwood Avenue
Buffalo, NY 14207
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Dirt Works, Inc — U.S. EPA ID Number: NYA-986

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
American Recyclers Company
177 Wales Avenue
Tonawanda, NY 14151 (716) 695-6720
Facility's Phone:

U.S. EPA ID Number: NYR000030809

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	NON RCRA, NON DOT REGULATED (Non-Hazardous Excavation Water)	3	DM	EST. 1200	P
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Approval #:
1. H-24086-T
Handling Codes:
1. None

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Mary Szustak on behalf of MOD-PAC Corp. — Signature: Mary Szustak — Month: 7 — Day: 10 — Year: 24

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit:
Transporter Signature (for exports only): — Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Lucas Grah — Signature — Month: 7 — Day: 10 — Year: 24

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Garrett Sala — Signature — Month: 07 — Day: 10 — Year: 24

F8

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e) and 6NYCRR Part 360.13. Use of this form is not a substitute for reading the applicable regulations and Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Commercial or Industrial Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 50-100

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? yes

Does it contain less than 10%, by weight, material that passes a size 100 sieve? yes

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Material is Virgin 2-inch Crushed Limestone Subbase material, supplied from a commercial source, New Enterprise Stone & Lime Co., Inc., Wehrle Drive quarry. Applicable Sieve Analysis and Proctor are attached. Samples are not required for virgin stone as per DER-10.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

National Maintenance Contracting Corp.

Location where fill was obtained:

8615 Wehrle Dr, Williamsville, NY 14221

Identification of any state or local approvals as a fill source:

NYSDOT Approved Source

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Sieve and Proctor for pre-approved stockpile 5-3R

The information provided on this form is accurate and complete.

Mary Szusatk Digitally signed by Mary Szusatk Date: 2024.03.04 09:16:11 -05'00'

Signature

03/04/2024

Date

Mary Szustak

Print Name

Environmental Advantage, Inc.

Firm

CME Associates, Inc.

2727 Broadway St., Suite 2
Cheektowaga, New York 14227
(716) 877-9577
(716) 877-9629 (Fax)

www.cmeassociates.com

LAB REPORT SUMMARY

PROJECT: NESL Source Pre-Qual
CLIENT: NESL
DATE: 08/15/2023

REPORT NO.: 17330L-14
REPRESENTATIVE: Austin Glasier

This CME Associates, Inc representative performed a sieve analysis and moisture density test (Modified Proctor) on a 2" R.O.C. sample BL3223 sampled by client representative and delivered to CME's Buffalo laboratory on 08/03/2023. Tests were performed in accordance with ASTM Standards C136, C117, and D1557.
The following table distinguishes your sample from some common NYSDOT items:

Sample No.:	Location:
BL3223	NESL Wehrle Dr. 5-3R

MECHANICAL ANALYSIS (ASTM C136, C117)

Sieve Size	Percent Passing by Weight Sample BL3223	Item 304.14 Subbase Type IV	Item 304.13 Subbase Type III	Item 304.12 Subbase Type II	Item 203.7 Select Granular Fill
4"	100		100		100
2"	100	100		100	
1"	93				
3/4"	85				
1/2"	68				
3/8"	58				
1/4"	47	30-65	30-75	25-60	
No. 4	42				
No. 10	27				
No. 40	12	5-40	5-40	5-40	0-70
No. 80	8				
No. 200	7.3	0-10	0-10	0-10	0-15

CLASSIFICATION

Gray cmf Gravel and cmf Sand; trace Silt/Clay

LABORATORY MOISTURE-DENSITY RELATIONSHIP (ASTM D1557)

Corrected Maximum Dry Density	=	**141.8**	**Pcf**
Corrected Optimum Moisture Content	=	**6.3**	**%**

It is recommended the engineer of record review and comment on the use of this material. Please see attached documents for lab test results.
Feel free to contact this office should you have any questions.

CME Associates, Inc.

2727 Broadway Ave, Suite #2
Buffalo, New York 14227
(716) 877-9577
(716) 877-9629 (Fax)

www.cmeassociates.com

LABORATORY TEST SUMMARY
NESL
NESL Source Pre-Qual
CME Report Number: 17330L-14
8/15/2023

The CME Associates Representative obtained a sample at the above referenced project. The sample was delivered to CME's Buffalo facility, an AASHTO[1] accredited laboratory, for a Particle Size Analysis and a Moisture Density Relationship determination. The results are as follow:

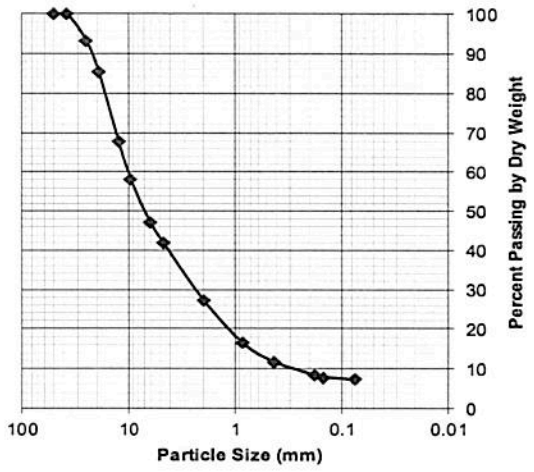
1) Material Identification

Sample #	Date Sampled	Classification	Source
BL3223	08/03/23	Gray cmf Gravel and cmf Sand; trace Silt/Clay	5-3R NESL Wehrle Dr.

2) Particle Size Analysis ASTM C136/C117

Sieve Size	Sieve Size (mm)	% Passing by Dry Weight Sample # BL3223
2"	50	100
1-1/2'	37.5	100
1"	25	93
3/4"	19	85
1/2"	12.5	68
3/8"	9.50	58
1/4"	6.25	47
#4	4.75	42
#10	2.00	27
#20	0.850	16
#40	0.425	12
#80	0.180	8
#100	0.150	8
#200	0.075	7

Grain Size Distribution



3) Moisture-Density Relationsh (ASTM D-1557: Modified Proctor)

	Sample # BL3223
Corrected Maximum Dry Density (pcf)	= **141.8**
Corrected Optimum Moisture Content (%)	= **6.3**
Oversized Particles, Percent by Weight (%)	= **15** *

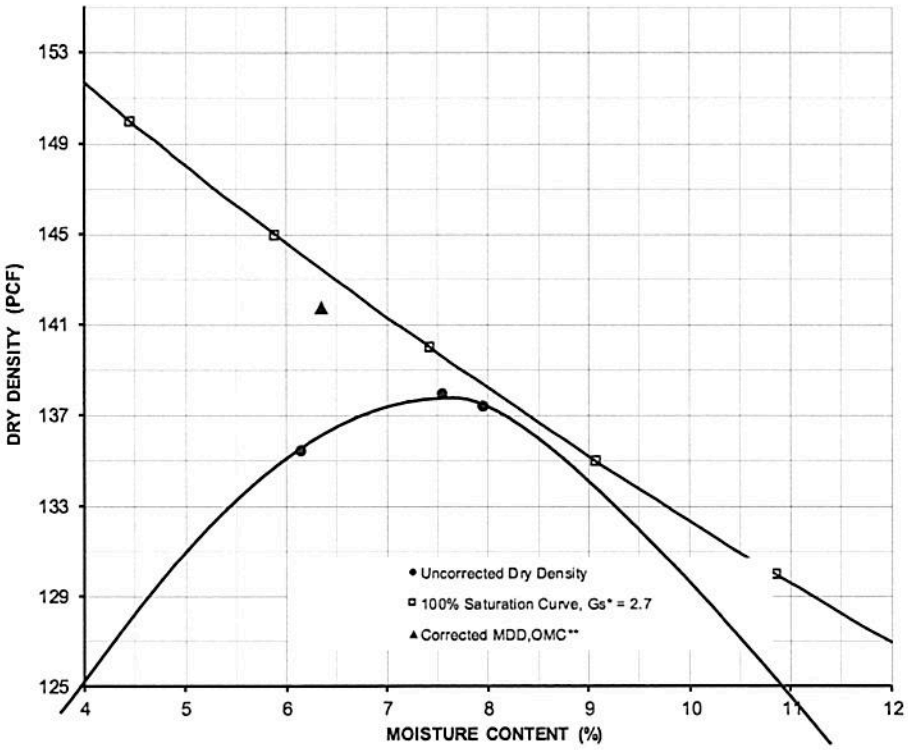
* Particles retained on 3/4-inch sieve

[1]AASHTO - American Association of State Highway & Transportation Officials (AASHTO) Materials Reference Laboratory. CME Buffalo accreditation includes tests of Portland Cement Concrete, Aggregate and Soil Materials. www.aashtoresource.org

LABORATORY TEST SUMMARY
NESL
NESL Source Pre-Qual
CME Report Number: 17330L-14

SAMPLE LOCATION:	**5-3R NESL Wehrle Dr.**	DATE SAMPLED:	**8/3/23**
SOIL CLASSIFICATION:	**Gray cmf Gravel and cmf Sand; trace Silt/Clay**	SAMPLE NO.:	**BL3223**

Moisture - Density Relationship Curve



Particle Size Analysis ASTM C136

Sieve Size	% Passing
2"	100
1-1/2"	100
1"	93
3/4"	85
1/2"	68
3/8"	58
1/4"	47
No.4	42
No.10	27
No.20	16
No.40	12
No.80	8
No.100	8
No.200	7

Test Procedure Information

Test Method	☑ ASTM D-1557 (Modified)		☐ ASTM D-698
Procedure Used	☐ A	☐ B	☑ C
Preparation Method	☐ Dry	☑ Moist	
Description of Rammer	☐ Manual	☑ Mechanical	

Test Results

Corrected MDD (PCF) = **141.8**
Corrected OMC (%) = **6.3**

Oversize Fraction by Dry Weight
15 % Retained on ☐ No.4 Sieve ☐ 3/8" Sieve ☑ 3/4" Sieve

* Specific Gravity, estimated
** MDD = Maximum Dry Density, OMC = Optimum Moisture Content
Please feel free to contact our office if you have any questions.

Austin Glasier
Supervising Laboratory Technician

APPENDIX G

TENORM REPORT

THE MJW COMPANIES

Radiological Consulting Professionals and Expert Technical Services

April 9, 2024

Mr. Mark Hanna
President
Environmental Advantage, Inc.
3636 N. Buffalo Road
Orchard Park, New York 14127

Dear Mr. Hanna:

MJW Corporation (MJW) is pleased to present the enclosed TENORM investigation report for slag-like materials analyzed from an excavation completed at MOD-PAC Corp. (MPC), located at 1801 Elmwood Avenue in Buffalo, NY. The MPC property is a completed Brownfield Cleanup Program (BCP) Site, which is subject to a Site Management Plan (SMP); BCP Site 915314. Environmental Advantage, Inc. (EA) staff discovered the slag-like material on November 6, 2023 while providing excavation oversight during a subsurface investigation into the cause of a sinkhole. The apparent slag-like material was immediately segregated upon discovery, along with the surrounding subsurface layers, and stockpiled and covered in a separate area at the MPC Site. MJW Radiological Control Supervisor Alex Bartels was notified immediately upon the discovery of the material, and retained to provide oversight; however due to being out of the area at another project site, MJW was not able to immediately respond to the MPC Site. Due to the emergency nature of the sink hole excavation work, excavation and segregation continued on November 10, 2023, when a broken pipe was located and repaired.

MJW Radiological Control Supervisor Alex Bartels investigated the stockpiled materials on November 13, 2023. A series of five (5) stockpiles were investigated; four (4) were deemed to be soil/crushed rock/concrete with no elevated readings detected above background on the Ludlum 2241-2/44-10 meter, and one (1) consisted of slag-like materials that exhibited 2x background readings. Samples were collected from this pile by MJW Radiological Control Supervisor Alex Bartels, and submitted to GEL Labs for sent for Gamma and Alpha Spectroscopy.

Sink hole excavation work was continued on November 20-21, 2023, as it was determined after the initial repair that an additional break was probable. Due to the discovery of the potential TENORM materials, Environmental Advantage requested a Radiological Control Technician (RCT) to provide oversight for this additional work. MJW provided an RCT as further excavation was completed in an adjacent area to locate and repair the broken underground pipes. MJW encountered roughly one (1) cubic yard of additional slag-like material, which was added to the existing slag stockpile. The material is currently staged and covered in the back of the MPC Site and will be transported to an approved facility once reviewed by the NYSDEC representative.

THE MJW COMPANIES

Radiological Consulting Professionals and Expert Technical Services

Enclosed is the report from the investigation, with the lab report from the samples sent to GEL Labs for analysis located in **Attachment D**. In accordance with DMM-5, the material is classified as TENORM (background-comparable). MJW used materials from the nearby athletic fields as background data. The data from that material is identified as unimpacted areas. Please review all the contents and reach out to MJW if you have any questions.

Sincerely,

Alexander Bartels

Alexander Bartels
MJW Radiological Safety Officer

MJW Doc. 24.2006.1

THE MJW COMPANIES

Radiological Consulting Professionals and Expert Technical Services

November 15, 2023

Ms. Mary Szustak
Project Manager
Environmental Advantage, Inc.
3636 N. Buffalo Road
Orchard Park, New York 14127

Dear Ms. Szustak:

MJW Corporation (MJW) is pleased to present the TENORM investigation report from materials analyzed from work performed at MOD-PAC Corp. BCP #915314, located at 1801 Elmwood Avenue in Buffalo, NY. The material was discovered during a sinkhole investigation after subcontractors discovered slag-like material. The material was segregated and covered in the back lot of MOD-PAC until MJW Radiological Control Supervisor Alex Bartels could investigate on November 13, 2023.

MJW used a Bicron MicroRem Survey Meter and Ludlum 2241-2 meter with a 44-10 (2" x 2") Sodium Iodine Detector to determine in-field radiological conditions.

A series of five (5) piles were investigated; four (4) were deemed to be soil/crushed rock/concrete with no elevated readings detected above background on the Ludlum 2241-2/44-10 in the proposed project areas, and one (1) consisted of slag like materials that were reading ~ 2x background reading. Sample material from this pile was sent for Gamma and Alpha Spectroscopy to GEL Labs.

The four piles showing no radiological footprint via instrumentation were released for disposal.

The pile showing elevated readings has been covered with poly while MJW awaits analytical results.

MJW is awaiting results from samples collected from GEL Labs. MJW will provide a sample analysis report as well as all Electronic Data Deliverables for review once received.

Alexander Bartels
Alexander Bartels
MJW Radiation Safety Officer

Attachment A: Pictures from MODPAC Investigation

1) Piles surveyed and corresponding identification numbers

2) Slag Pile #5

3) Slag Pile #5 (Different Angle)

4) Slag Pile #5 Covered with poly while awaiting lab results

Attachment B: MJW Survey Form from MODPAC Investigation

Radiological Survey Report Form

Activity: MODPAC Slag Investigation		Survey Number: 20231113-001	Page: 1 of 1
Survey Date: 11/13/2023	Time: 1300	Surveyed By: A. Bartels	

Instrument/Detector Model #	Inst./Detector Serial #	BGK/units/type		% Eff.	Nuclide	Cal. Due Date
Ludlum 2241-2 / 43-90	219137/PR277930	1	CPM α	18.2%	Pu-239	8/23/2024
Ludlum 3 / 44-9	222619/PR112415	50	CPM β	21.1%	Tc-99	1/5/2024
Thermo MicroRem	19264	5	µRem/hr γ	N/A	N/A	9/28/2024
Ludlum 2241-2/44-10	196664/PR413155	5,000	CPM γ	13.6%	Cs-137	2/7/2024

Area/Material Surveyed	Total (gross cpm)	Total (net cpm)	LAWs (net cpm)		Smear #	Smears (gross cpm)			Smears (dpm/100cm^2)			Dose Rate * (µRem/hr)	
	2x2 Readings	*2x2 Readings*	*alpha*	*beta*		*alpha*	*beta*	*H-3*	*alpha*	*beta*	*H-3*	*30 cm*	*1 cm*
Pile 1	4000	0										4	5
Pile 2	5000	0										5	5
Pile 3	5000	0										5	5
Pile 4	4500	0										4	4
Pile 5 (Slag)	10000	5000										10	15
Pile 5 NW Corner	11000	6000										10	15
Pile 5 NE Corner	9000	4000										10	15
Pile 5 SE Corner	12000	7000										10	15
Pile 5 SW Corner	8000	3000										10	15

* = Dose rates include background

Reviewed By (print/signature): Alexander Bartels Alexander Bartels Date: 11/14/2023

Attachment C: Instrument Calibration Paperwork

Designer and Manufacturer of Scientific and Industrial Instruments

www.ludlums.com

CERTIFICATE OF CALIBRATION

LUDLUM MEASUREMENTS, INC.
501 Oak Street
325-235-5494
Sweetwater, TX 79556, U.S.A.

ACCREDITED
CERT # 4084.01

Customer MJW TECHNICAL SERVICES ORDER NO. 20436966/534083

Mfg. Ludlum Measurements, Inc. Model 3 Serial No. 222619

Mfg. Ludlum Measurements, Inc. Model 44-9 Serial No. PR112415

Cal. Date 5-Jan-23 Cal Due Date 5-Jan-24 Cal. Interval 1 Year Meterface 202-002

Check mark ☑ applies to applicable instr. and/or detector IAW mfg. spec. T 77 °F RH 23 % Alt 712.5 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 900 V Input Sens. 29 mV Det. Oper. 900 V at 29 mV Threshold Dial Ratio = mV

☐ HV Readout (2 points) Ref./Inst. / V Ref./Inst. / V

COMMENTS:

Tc99: #5296, 33 kdpm *Net reading ≈ 7000 cpm. Bkg: 50, 4 Pi efficiency: ≈ 21.06%
SrY90: #5296, 53170dpm *Net reading ≈ 19 kcpm. Bkg: 50, 4 Pi Efficiency: ≈ 35.64%

Calibrated with 5ft cable.

Gamma Calibration: GM detectors positioned perpendicular to source except for M 44-9 in which the front of probe faces source.
Multimeter uncertainty within 1.3% of reading. Gamma uncertainty within 5.0% of reading. Neutron uncertainty within 5.0% of reading. Count rate uncertainty within 5.4% of reading

RANGE/MULTIPLIER	REFERENCE CAL. POINT	INSTRUMENT REC'D "AS FOUND READING"	INSTRUMENT METER READING
X100	400 K cpm	N/A	4K
X100	100 K cpm		1K
x10	40 K cpm		4K
x10	10 K cpm		1K
X1	4 K cpm		4K
X1	1 K cpm		1K
X0.1	400 cpm		4K
X0.1	100 cpm		1K

cpm

ALL 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 U.S. 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-1983

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 ☑ 2158CP ☐ 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 315137 ☐ Oscilloscope S/N ☑ Multimeter S/N 92780460

Calibrator Josie Ruiz Josie Ruiz Title Technician Date 5 Jan 23

QC'd By Title Final QC Date 9 Jan 23

AC Inst. Only ☐ Passed Dielectric (Hi-Pot) and Continuity Test ☐ Failed:

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Designer and Manufacturer
of
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Sweetwater, TX 79556, U.S.A.

CONVERSION CHART
FOR REFERENCE ONLY

Customer MJW TECHNICAL SERVICES ORDER NO. 20436966/534083

Date 5-Jan-23

Model 3 Serial No. 222619 Detector Model 44-9 Serial No. PR112415

Source Cs-137 194.6 mCi High Voltage 900 V

Input Sensitivity 29 mV

Reference Point	"As Found" Readings (CPM): Meter Reading	Range/Scale	After Adjustment Readings (CPM): Meter Reading	Range/Scale
150 mR/hr	N/A	N/A	3.3 K	x 100
50 mR/hr			1.6	
15 mR/hr			5.5	
5 mR/hr			1.8	x 10
1.5 mR/hr			5.5	
1.0 mR/hr			3.3	x 1

Signature: Josie Ruiz Josie Ruiz Date 5 Dec 23

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CERTIFICATE OF CALIBRATION

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Sweetwater, TX 79556, U.S.A.

ACCREDITED
CERT # 4084.01

Customer MJW TECHNICAL SERVICES ORDER NO. 20454790/546286

Mfg. Bicron Model MICRO REM Serial No. 19264

Mfg. _____ Model _____ Serial No. _____

Cal. Date 28-Sep-23 Cal Due Date 28-Sep-24 Cal. Interval 1 Year Meterface _____

Check mark ☑ applies to applicable instr. and/or detector IAW mfg. spec. T. 73 °F RH 31 % Alt 698.0 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 1.3% of reading. Gamma uncertainty within 5.0% of reading. Beta uncertainty within 7.0% of reading. Count rate uncertainty within 5.4% 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	160	150
x 10	500 µrem/hr	55	52
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 NIST or multiple 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 ☐ 2268CP ☐ 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:

☐ m 500 S/N _____ ☐ Oscilloscope S/N _____ ☐ Multimeter S/N _____

Calibrator Duaine Jackson Duaine Jackson Title Calibrator Date 28Sep23

QC'd By _____ Title Final QC Date 28 Sep 23

AC Inst. Only ☐ Passed Dielectric (Hi-Pot) and Continuity Test ☐ Failed: _____

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Sweetwater, TX 79556, U.S.A.

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CERT # 4084.01

Customer MJW TECHNICAL SERVICES ORDER NO. 20452324/544626

Mfg. Ludlum Measurements, Inc. Model 2241-2 Serial No. 219137

Mfg. Ludlum Measurements, Inc. Model 43-90 Serial No. PR277930

Cal. Date 23-Aug-23 Cal Due Date 23-Aug-24 Cal. Interval 1 Year Meterface cpm

Check mark ☑ applies to applicable instr. and/or detector IAW mfg. spec. T 74 °F RH 36 % Alt 707.6 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 Comments V Input Sens. Comments mV Det. Oper. Comments V at Comments mV Threshold Dial Ratio = mV

COMMENTS:

	Det.1	Det.2			
Detector:	43-90		Source: Pu239	Th230 ~~Ba133~~	Firmware: P-06-10
Deadtime:	0 µSec	0 µSec	SN: 0158	E121495	Det.2 left at customer settings.
Calibration Constant:	100 e-2	100 e-2	Size: 160814 dpm	19797 dpm	Overload checked but not set.
Ratemeter Alarm:	500 cpm	300 kcpm	Background: ≈ 0 cpm	≈ 0 cpm	
Ratemeter Alert:	400 cpm	200 kcpm	Reading: ≈ 32742 cpm	≈ 3647 cpm	
High Voltage:	900 V	1200 V	4 Pi Efficiency: ≈ 20.36 %	≈ 18.42 %	
Input Sensitivity:	10 mV	10 mV			

Gamma Calibration: GM detectors positioned perpendicular to source except for M 44-9 in which the front of probe faces source.
Multimeter uncertainty within 1.3% of reading, Gamma uncertainty within 5.0% of reading, Neutron uncertainty within 7.0% of reading, Count rate uncertainty within 5.4% of reading

RANGE/MULTIPLIER	REFERENCE CAL. POINT	INSTRUMENT REC'D "AS FOUND READING"	INSTRUMENT METER READING
Digital			
Digital			

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	79.9	79.9
	20K cpm	20.0	20.0
	8K cpm	7.99	7.99
	2K cpm	2.00	2.00
	800 cpm	799 cpm	799 cpm
	200 cpm	200	200
	80 cpm	80.3	80.3
	20 cpm	19.6	19.6

	REFERENCE CAL POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING
Scaler Readout	800K cpm	79980(0)	79980(0)
	200K cpm	19984	19984
	80K cpm	7997	7997
	20K cpm	1999	1999
	8K cpm	799	799
	2K cpm	200	200
	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 Pu239#0158 ☐ Beta S/N ☐ Other

☑ m 500 S/N 251106 ☐ Oscilloscope S/N ☑ Multimeter S/N 15060230

Calibrator James McBeth James McBeth Title Calibrator Date 23AUG23

QC'd By Title Final QC Date 24Aug23

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CERTIFICATE OF CALIBRATION

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ACCREDITED CERT # 4084.01

Customer MJW CORPORATION ORDER NO. 20438547/535171

Mfg. Ludlum Measurements, Inc. Model 2241 Serial No. 196664

Mfg. Ludlum Measurements, Inc. Model 44-10 Serial No. PR413155

Cal. Date 7-Feb-23 Cal Due Date 7-Feb-24 Cal. Interval 1 Year Meterface Digital

Check mark ☑ applies to applicable instr. and/or detector IAW mfg. spec. T. 76 °F RH 27 % Alt 705.0 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
☑ 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:

```
                    Det1
     Deadtime:      0 µSec
 Cal Constant:      100e-2
Ratemeter Alarm:    0300 kcpm
Ratemeter Alert:    0200 kcpm

Firmware: P-0408
Calibrated using 6' C-cable.
Overload checked but not set.
Pulser calibration "RATEMETER READOUT"
performed without deadtime.
*See attachment for efficiencies.
```

Gamma Calibration: GM detectors positioned perpendicular to source except for M 44-9 in which the front of probe faces source
Multimeter uncertainty within 1.3% of reading, Gamma uncertainty within 5.0% of reading, ... uncertainty within 7.0% of reading, Count rate uncertainty within 5.4% of reading

RANGE/MULTIPLIER	REFERENCE CAL. POINT	INSTRUMENT REC'D "AS FOUND READING"	INSTRUMENT METER READING
AUTO			
AUTO			

Range(s) Calibrated Electronically

Ratemeter Readout REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING
800K cpm	796 kc/m	796 kc/m
200K cpm	199	199
80K cpm	79.6	79.6
20K cpm	19.9	19.9
8K cpm	7.96	7.96
2K cpm	1.99	1.99
800 cpm	800 c/m	800 c/m
200 cpm	200 c/m	200 c/m

Scaler Readout REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING
800K cpm	79642(0)	79642(0)
200K cpm	19898(0)	19898(0)
80K cpm	7964(0)	7964(0)
20K cpm	1990(0)	1990(0)
8K cpm	796(0)	796(0)
2K cpm	199(0)	199(0)
800 cpm	80(0)	80(0)
200 cpm	20(0)	20(0)

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. ISO/IEC 17025:2017(E)
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. State of Texas Calibration License No. LO-963
The calibration system conforms to the requirements of ANSI/NCSL Z540-1-1994 and ANSI N323AB-2013

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 ☐ 7168CP ☐ S394 ☐ 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 17500076

Calibrator Scot VanAllen [signature] Title Calibrator Date 7 FEB 23

QC'd By [signature] Title Final QC Date 7 Feb 23

FORM C22E 09/02/2020 Page 1 of 2

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Designer and Manufacturer
of
Scientific and Industrial
Instruments

LUDLUM MEASUREMENTS, INC.
501 Oak Street
325-235-5494
Sweetwater, TX 79556, U.S.A.

Bench Test Data For Detector

Detector 44-10 Serial No. PR 413155

Customer MJW CORPORATION ORDER NO. 20438547/535171

Counter 2241 Serial No. 196664 Counter Input Sensitivity 10 mV

Count Time 6 SECOND Distance Source to Detector SURFACE

Other

High Voltage	Background	Isotope Am241 Size ≈0.79 μC	Isotope Size	Isotope Size	Isotope Size
800	468	12754			
850	480	12913			
900	478	12948			
→ 950	510	13018			
1000	498	13159			
1050	505	12922			
1100	608	13024			
1150	1019	14135			

Signature Scot VanAllen Date 7 FEB 23

Attachment 20438547/535171
Model 2241-2 s/n: 196664

Efficiencies for 44-10 (PR413155)

Am241 s/n: 1895
Activity: 23,840dpm
Source Count: 7,467cpm
Background: 5,040cpm
4pi Eff for Am241: 10.18%

Cs137 s/n: 0754
Activity: 133,949dpm
Source Count: 23,236cpm
Background: 5,040cpm
4pi Eff for Cs137: 13.58%

Scot VanAllen **Date: 7 February 2023**

Attachment D: Sample Analysis Results

Attachment D. Sample Analysis Results

After reviewing results from SDG 645981 (Target Samples) and SDG 661916 (Background Samples), MJW compiled Table 1.0 below. It lists pertinent information regarding TENORM analysis; additional information is present in the Electronic Data Deliverable (EDD). An estimated 6 CY of material is in the pile represented in the report and analysis. Table 1.1 provides the analytical data for the samples analyzed.

Table 1.0 Analysis for Ra-226 in Samples

Per Sample (Backgrounds Excluded from Calculation)		
Sample No.	[Ra-226]	Sample Type
20231113-EA-03 Comp	1.85±0.171	TARGET
20231113-EA-MP-01	1.91±0.162	TARGET
20231113-EA-MP-01 Dup	1.9±0.192	FIELD DUPLICATE
20231113-EA-MP-01(645981001DUP)	1.79±0.179	LAB DUPLICATE
20231113-EA-MP-02	2.06±0.254	TARGET
01122024-SB1	1.22±.15	Background
01122024-TWT1	1.06±.137	Background
01122024-TWT1(651915001DUP)	0.993±.137	LAB DUPLICATE
Averages	**1.90**	
Averages (Background Subtracted)	**0.81**	
Standard Deviation	**0.10**	

MJW saw an average Ra-226 concentration in materials located in the segregated material from the sinkhole construction work at 1.90±0.10 pCi/g. The highest Ra-226 sample concentration was 2.06±.254 pCi/g for sample EA-MP-02. Nearby offsite background samples from areas identified by Alex Bartels of MJW as unimpacted were taken with an average Ra-226 value of 1.09 pCi/g; these samples were analyzed with a full 21-day ingrowth. The background results from these off-site samples reflect the typical background values for Western New York; Ra-226 is 1.1 pCi/g [DOE 1993a] and 0.9 pCi/g [ORNL 1992]. These results provide for net values well below 1.0 pCi/g. These low net values would bring into question the rationale for the offsite disposal of material.

In compliance with DMM-5 guidance, the material is classified as TENORM (background-comparable). A NYSDEC variance or approval from an assigned NYSDEC Environmental Radiation Specialist would be required to return the material to its original location.

The alternative of applying for a variance or returning the material to its original location is not an option at this Site, as the sinkhole was an emergency repair. For safety reasons, the excavation could not be left open and backfill was required immediately. Due to the low average Ra-226 concentration in materials, as well as the low volume of material, Environmental Advantage is looking for guidance in optional disposal at WM Chaffee Landfill or the Republic landfill in Niagara Falls.

Based on MJW's review of the information contained in the GEL sample analysis report, summarized in Attachment B, it is MJW's position that none of the test pit data would warrant offsite disposal.

Moreover, the net result (gross minus background) is about 0.8 pCi/g for Ra-226. MJW would recommend that, with these net low soil concentrations of Ra-226, offsite disposal is not warranted. However, the material needs to be removed from the site as the original excavation has already been backfilled and repaired with new asphalt. MJW recommends the material go to Waste Management's Chaffee, NY landfill and be "direct landfilled" (slag cannot be used as cover or a BUD/ADC).

If DEC is opposed to the Chaffee Landfill, MJW would propose Republic Landfill in Niagara Falls as a secondary location, where the "background levels" are higher than those observed at the MPC facility as Niagara County has significantly higher background levels than Erie County and the City of Buffalo.

Disposal options within Erie County provide for background Ra-226 values ≈ 0.9 pCi/g, as averaged across sampling reports (ORNL/TM-7343 1981, USACE 2020). Niagara County minimum Ra-226 concentrations begin at the Erie County average (0.9 pCi/g) as noted in DOE 2010; LMS/NFS/S06246. Previous sampling events in Niagara County by MJW representatives (GEL SDG:512240) have indicated even higher background concentrations above 1.8 pCi/g. Utilizing these values as backgrounds in disposal options, Erie County would provide for net Ra-226 concentrations of near 1.0 pCi/g and Niagara County at <.5 pCi/g.

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

December 13, 2023

Alex Bartels
MJW Technical Services
15 Hazelwood Drive
Suite 112
Amherst, New York 14228

Re: Environmental Advantage
Work Order: 645981

Dear Alex Bartels:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on November 20, 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: GELP22-1492
Enclosures

MJW Technical Services
Environmental Advantage
SDG: 645981

Table of Contents

Case Narrative

Page 3 of 10SDG: 645981

Case Narrative
for
MJW Technical Services
SDG: 645981

December 13, 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 November 20, 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 are no additional comments concerning sample receipt.

Sample Identification The laboratory received the following samples:

Laboratory ID	Client ID
645981001	20231113-EA-MP-01
645981002	20231113-EA-MP-01 Dup
645981003	20231113-EA-MP-02
645981004	20231113-EA-03 Comp

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 13 December 2023

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	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	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	SC000122024-05
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	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	T104704235-23-21
Utah NELAP	SC000122023-38
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

Chain of Custody and Supporting Documentation

Page 7 of 10 SDG: 645981

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: 645981 **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: Environmental Advantage for Malpec Fax #
Address: 15 Hazelwood Suite 112 Amherst, NY 14228
Collected By: A. Bartels Send Results To: abartels emjwcorp.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

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]	Radioactive (If yes, please supply isotopic info.)	(7) Known or possible Hazards	Total number of containers	Gamma Spec	Alpha Spec U	Alpha Spec Th	Comments (Note: extra sample is required for sample specific QC)
20231113-EA-MP-01	11-13-23	1200	N	N	SD			1	X			Alpha-Spec for
20231113-EA-MP-01 dup	11-13-23	1200	FD	N	SD			1	X	X	X	U-238, U-235,
20231113-EA-MP-02	11-13-23	1200	N	N	SD			1	X			Th-232
20231113-EA-03-Comp	11-13-23	1200	C	N	SD			1	X			21 day ingrowth

<-- Preservative Type (6)

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1	Caitlyn Dori	11/15/23	1200	1	[signature]	11/20/23	915
2				2			
3				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:*** 16 °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: WJWC	**SDG/AR/COC/Work Order:** 645981 SC
Received By: Thyasia Tatum	**Date Received:** 11-20-23
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other 7741 1503 4049

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) 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: 10°C
4	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: IR2-23 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 DO Date 11/27/23 Page 1 of 1

GL-CHL-SR-001 Rev 7

Data Review Qualifier Definitions

Page 9 of 11SDG: 645981

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.

Page 108 of 113 SDG: 645981

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 #: 645981

Product: **Alphaspec U, Solid**
Analytical Method: DOE EML HASL-300, U-02-RC Modified
Analytical Procedure: GL-RAD-A-011 REV# 28
Analytical Batch: 2534022

Preparation Method: Dry Soil Prep
Preparation Procedure: GL-RAD-A-021 REV# 24
Preparation Batch: 2528726

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
645981002	20231113-EA-MP-01 Dup
1205590008	Method Blank (MB)
1205590009	645402001(NonSDG) Sample Duplicate (DUP)
1205590010	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
1205590009 (Non SDG 645402001DUP)	Uranium-238	RPD 25.6* (0.00%-20.00%) RER 1.07 (0-3)

Product: **Alphaspec Th, Solid**
Analytical Method: DOE EML HASL-300, Th-01-RC Modified
Analytical Procedure: GL-RAD-A-038 REV# 18
Analytical Batch: 2534026

Preparation Method: Dry Soil Prep
Preparation Procedure: GL-RAD-A-021 REV# 24
Preparation Batch: 2528726

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
645981002	20231113-EA-MP-01 Dup
1205590029	Method Blank (MB)
1205590030	645402001(NonSDG) Sample Duplicate (DUP)
1205590031	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.

Technical Information

Recounts
Sample 645981002 (20231113-EA-MP-01 Dup) was recounted due to high MDC. The recount is reported.

Product: **Dry Weight**
Preparation Method: Dry Soil Prep
Preparation Procedure: GL-RAD-A-021 REV# 24
Preparation Batch: 2528726

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
645981001	20231113-EA-MP-01
645981002	20231113-EA-MP-01 Dup
645981003	20231113-EA-MP-02
645981004	20231113-EA-03 Comp

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# 28
Analytical Batch: 2529194

Preparation Method: Dry Soil Prep
Preparation Procedure: GL-RAD-A-021 REV# 24
Preparation Batch: 2528726

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
645981001	20231113-EA-MP-01
645981002	20231113-EA-MP-01 Dup
645981003	20231113-EA-MP-02
645981004	20231113-EA-03 Comp
1205581249	Method Blank (MB)
1205581250	645981001(20231113-EA-MP-01) Sample Duplicate (DUP)
1205581251	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
1205581250 (20231113-EA-MP-01DUP)	Lead-210	RPD 165* (0.0%-100.0%) RER 0.218 (0-3)
	Potassium-40	RPD 24.9* (0.00%-20.00%) RER 1.22 (0-3)

Qualifier Information

Qualifier	Reason	Analyte	Sample	Client Sample
UI	Results are considered a false positive due to high counting uncertainty.	Uranium-235	645981003	20231113-EA-MP-02
		Uranium-235	645981004	20231113-EA-03 Comp

		Uranium-235	1205581250	20231113-EA-MP-01(645981001DUP)
UI	Results are considered a false positive due to interference.	Europium-155	645981001	20231113-EA-MP-01
		Europium-155	645981004	20231113-EA-03 Comp
UI	Results are considered a false positive due to low abundance.	Cesium-134	645981001	20231113-EA-MP-01
UI	Results are considered a false positive due to no valid peak.	Thorium-234	645981002	20231113-EA-MP-01 Dup
		Thorium-234	645981004	20231113-EA-03 Comp
		Uranium-238	645981002	20231113-EA-MP-01 Dup
		Uranium-238	645981004	20231113-EA-03 Comp

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: 2528726
Analyst: GG
Date/Time: 20-NOV-2023
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 (%)
645981001	SAMPLE		SP-C234673837	14:12	12.1	394.15	380.3	382.05	368.2	3.625
645981002	SAMPLE		SP-C234673837	14:12	12.09	412.68	396.4	400.59	384.31	4.064
645981003	SAMPLE		SP-C234673837	14:12	12.03	412.41	394.22	400.38	382.19	4.543
645981004	SAMPLE		SP-C234673837	14:12	11.94	535.73	508.53	523.79	496.59	5.192

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: 645981 GEL Work Order: 645981

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: 18 DEC 2023 **Title: 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: December 18, 2023

Contact: Alex Bartels
Project: Environmental Advantage

Client Sample ID: 20231113-EA-MP-01
Sample ID: 645981001
Matrix: Solid
Collect Date: 13-NOV-23
Receive Date: 20-NOV-23
Collector: Client
Moisture: 3.63%

Project: MJWC01023
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		1.01	+/-0.245	0.185	+/-0.268		pCi/g			RXF2	12/12/23	1928	2529194	1
Americium-241	U	-0.0101	+/-0.0234	0.0396	+/-0.0239		pCi/g							
Antimony-124	U	-0.0145	+/-0.0667	0.135	+/-0.0670		pCi/g							
Antimony-125	U	-0.0105	+/-0.0575	0.109	+/-0.0577		pCi/g							
Barium-133	U	-0.0240	+/-0.0302	0.0445	+/-0.0321		pCi/g							
Barium-140	U	-0.109	+/-0.365	0.675	+/-0.369		pCi/g							
Beryllium-7	U	-0.0305	+/-0.257	0.485	+/-0.257		pCi/g							
Bismuth-212		1.59	+/-0.680	0.580	+/-0.711		pCi/g							
Bismuth-214		1.60	+/-0.170	0.0827	+/-0.262		pCi/g							
Cerium-139	U	0.00793	+/-0.0149	0.0290	+/-0.0154		pCi/g							
Cerium-141	U	-0.00614	+/-0.0403	0.0709	+/-0.0404		pCi/g							
Cerium-144	U	0.0336	+/-0.0882	0.163	+/-0.0896		pCi/g							
Cesium-134	UI	0.000	+/-0.0568	0.0648	+/-0.0669		pCi/g							
Cesium-136	U	-0.0343	+/-0.165	0.311	+/-0.166		pCi/g							
Cesium-137	U	0.0110	+/-0.0242	0.0442	+/-0.0248	0.100	pCi/g							
Chromium-51	U	0.125	+/-0.296	0.551	+/-0.302		pCi/g							
Cobalt-56	U	-0.0136	+/-0.0348	0.0602	+/-0.0354		pCi/g							
Cobalt-57	U	0.00291	+/-0.0109	0.0214	+/-0.0110		pCi/g							
Cobalt-58	U	0.0171	+/-0.0315	0.0579	+/-0.0325		pCi/g							
Cobalt-60	U	0.0106	+/-0.0284	0.0585	+/-0.0288		pCi/g							
Europium-152	U	-0.0376	+/-0.0608	0.102	+/-0.0632		pCi/g							
Europium-154	U	0.00401	+/-0.0760	0.135	+/-0.0761		pCi/g							
Europium-155	UI	0.000	+/-0.0863	0.0698	+/-0.0872		pCi/g							
Iridium-192	U	0.0106	+/-0.0216	0.0406	+/-0.0221		pCi/g							
Iron-59	U	0.0447	+/-0.0811	0.167	+/-0.0837		pCi/g							
Lead-210		1.07	+/-0.338	0.281	+/-0.353		pCi/g							
Lead-212		1.13	+/-0.0817	0.0537	+/-0.147		pCi/g							
Lead-214		1.91	+/-0.162	0.0792	+/-0.224		pCi/g							
Manganese-54	U	-0.00431	+/-0.0293	0.0524	+/-0.0294		pCi/g							
Mercury-203	U	-0.00947	+/-0.0297	0.0478	+/-0.0300		pCi/g							
Neodymium-147	U	0.0469	+/-0.754	1.47	+/-0.754		pCi/g							
Neptunium-239	U	-0.0339	+/-0.100	0.193	+/-0.102		pCi/g							
Niobium-94	U	-0.000187	+/-0.0266	0.0487	+/-0.0266		pCi/g							
Niobium-95	U	0.0208	+/-0.0421	0.0732	+/-0.0432		pCi/g							
Potassium-40		3.20	+/-0.835	0.573	+/-0.882		pCi/g							
Promethium-144	U	-0.00368	+/-0.0231	0.0423	+/-0.0232		pCi/g							
Promethium-146	U	0.0268	+/-0.0249	0.0510	+/-0.0278		pCi/g							
Radium-226		1.91	+/-0.162	0.0792	+/-0.224		pCi/g							

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Company : MJW Technical Services
Address : 15 Hazelwood Drive
Suite 112
Amherst, New York 14228

Report Date: December 18, 2023

Contact: Alex Bartels
Project: Environmental Advantage

Client Sample ID: 20231113-EA-MP-01
Sample ID: 645981001

Project: MJWC01023
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		1.01	+/-0.245	0.185	+/-0.268		pCi/g							
Ruthenium-106	U	0.0531	+/-0.215	0.416	+/-0.217		pCi/g							
Silver-110m	U	-0.0117	+/-0.0317	0.0555	+/-0.0321		pCi/g							
Sodium-22	U	0.00251	+/-0.0272	0.0486	+/-0.0273		pCi/g							
Thallium-208		0.318	+/-0.0558	0.0446	+/-0.0675		pCi/g							
Thorium-234		1.42	+/-0.711	0.430	+/-0.780		pCi/g							
Tin-113	U	0.0140	+/-0.0306	0.0527	+/-0.0313		pCi/g							
Uranium-235	U	0.0684	+/-0.176	0.168	+/-0.176		pCi/g							
Uranium-238		1.42	+/-0.711	0.430	+/-0.780		pCi/g							
Yttrium-88	U	0.00583	+/-0.0294	0.0651	+/-0.0295		pCi/g							
Zinc-65	U	0.00571	+/-0.0584	0.103	+/-0.0584		pCi/g							
Zirconium-95	U	-0.000917	+/-0.0561	0.104	+/-0.0561		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	11/20/23	1412	2528726

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
Address : 15 Hazelwood Drive
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Amherst, New York 14228

Report Date: December 18, 2023

Contact: Alex Bartels

Project: Environmental Advantage

Client Sample ID: 20231113-EA-MP-01 Dup
Sample ID: 645981002
Matrix: Solid
Collect Date: 13-NOV-23
Receive Date: 20-NOV-23
Collector: Client
Moisture: 4.06%

Project: MJWC01023
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Alpha Spec Analysis														
Alphaspec Th, Solid "Dry Weight Corrected"														
Thorium-228	U	0.393	+/-0.480	0.754	+/-0.483	1.00	pCi/g			CM4	12/09/23	1523	2534026	1
Thorium-230		2.02	+/-0.722	0.613	+/-0.768	1.00	pCi/g							
Thorium-232		1.03	+/-0.557	0.610	+/-0.572	1.00	pCi/g							
Alphaspec U, Solid "Dry Weight Corrected"														
Uranium-233/234		1.32	+/-0.964	1.19	+/-0.997	1.00	pCi/g			CM4	12/08/23	0948	2534022	2
Uranium-235/236	U	0.153	+/-0.431	0.460	+/-0.432	1.00	pCi/g							
Uranium-238		1.55	+/-0.915	0.687	+/-0.959	1.00	pCi/g							
Rad Gamma Spec Analysis														
Gammaspec, Gamma, Solid (Standard List) "Dry Weight Corrected"														
Actinium-228		1.42	+/-0.267	0.177	+/-0.298		pCi/g			RXF2	12/12/23	1929	2529194	3
Americium-241	U	-0.0411	+/-0.111	0.219	+/-0.113		pCi/g							
Antimony-124	U	-0.0313	+/-0.0755	0.138	+/-0.0769		pCi/g							
Antimony-125	U	0.0277	+/-0.0674	0.131	+/-0.0685		pCi/g							
Barium-133	U	-0.0167	+/-0.0313	0.0505	+/-0.0322		pCi/g							
Barium-140	U	0.0208	+/-0.383	0.717	+/-0.383		pCi/g							
Beryllium-7	U	0.00323	+/-0.290	0.538	+/-0.290		pCi/g							
Bismuth-212		1.98	+/-0.791	0.607	+/-0.812		pCi/g							
Bismuth-214		1.56	+/-0.178	0.101	+/-0.226		pCi/g							
Cerium-139	U	0.0148	+/-0.0220	0.0419	+/-0.0232		pCi/g							
Cerium-141	U	-0.0183	+/-0.0655	0.107	+/-0.0661		pCi/g							
Cerium-144	U	0.0343	+/-0.138	0.244	+/-0.139		pCi/g							
Cesium-134	U	0.0406	+/-0.0294	0.0642	+/-0.0348		pCi/g							
Cesium-136	U	0.0123	+/-0.173	0.305	+/-0.173		pCi/g							
Cesium-137	U	0.00827	+/-0.0267	0.0503	+/-0.0270	0.100	pCi/g							
Chromium-51	U	0.150	+/-0.348	0.690	+/-0.355		pCi/g							
Cobalt-56	U	-0.00121	+/-0.0355	0.0670	+/-0.0355		pCi/g							
Cobalt-57	U	-1.20E-05	+/-0.0168	0.0318	+/-0.0168		pCi/g							
Cobalt-58	U	-0.00210	+/-0.0319	0.0608	+/-0.0319		pCi/g							
Cobalt-60	U	-0.0116	+/-0.0336	0.0622	+/-0.0340		pCi/g							
Europium-152	U	0.0217	+/-0.0676	0.132	+/-0.0683		pCi/g							
Europium-154	U	0.00957	+/-0.0690	0.139	+/-0.0692		pCi/g							
Europium-155	U	0.116	+/-0.141	0.125	+/-0.141		pCi/g							
Iridium-192	U	0.00796	+/-0.0279	0.0545	+/-0.0281		pCi/g							
Iron-59	U	-0.0334	+/-0.0749	0.132	+/-0.0765		pCi/g							
Lead-210	U	3.99	+/-4.28	7.95	+/-4.66		pCi/g							
Lead-212		1.15	+/-0.103	0.0771	+/-0.147		pCi/g							
Lead-214		1.90	+/-0.192	0.0965	+/-0.244		pCi/g							
Manganese-54	U	-0.00244	+/-0.0276	0.0520	+/-0.0276		pCi/g							

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Report Date: December 18, 2023

Contact: Alex Bartels
Project: Environmental Advantage

Client Sample ID: 20231113-EA-MP-01 Dup
Sample ID: 645981002

Project: MJWC01023
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"														
Mercury-203	U	0.00630	+/-0.0393	0.0640	+/-0.0394		pCi/g							
Neodymium-147	U	-0.490	+/-1.05	1.85	+/-1.08		pCi/g							
Neptunium-239	U	-0.0731	+/-0.169	0.312	+/-0.172		pCi/g							
Niobium-94	U	0.00766	+/-0.0235	0.0467	+/-0.0237		pCi/g							
Niobium-95	U	0.0283	+/-0.0358	0.0679	+/-0.0381		pCi/g							
Potassium-40		3.65	+/-0.660	0.423	+/-0.735		pCi/g							
Promethium-144	U	0.00476	+/-0.0230	0.0456	+/-0.0231		pCi/g							
Promethium-146	U	-0.0109	+/-0.0295	0.0534	+/-0.0300		pCi/g							
Radium-226		1.90	+/-0.192	0.0965	+/-0.244		pCi/g							
Radium-228		1.42	+/-0.267	0.177	+/-0.298		pCi/g							
Ruthenium-106	U	-0.132	+/-0.236	0.402	+/-0.244		pCi/g							
Silver-110m	U	0.00200	+/-0.0367	0.0706	+/-0.0367		pCi/g							
Sodium-22	U	0.00288	+/-0.0244	0.0492	+/-0.0245		pCi/g							
Thallium-208		0.349	+/-0.0724	0.0496	+/-0.0787		pCi/g							
Thorium-234	UI	0.000	+/-1.84	1.83	+/-1.98		pCi/g							
Tin-113	U	0.00105	+/-0.0358	0.0676	+/-0.0358		pCi/g							
Uranium-235	U	0.130	+/-0.220	0.252	+/-0.220		pCi/g							
Uranium-238	UI	0.000	+/-1.84	1.83	+/-1.98		pCi/g							
Yttrium-88	U	0.0140	+/-0.0298	0.0660	+/-0.0305		pCi/g							
Zinc-65	U	0.0595	+/-0.0750	0.139	+/-0.0798		pCi/g							
Zirconium-95	U	0.000549	+/-0.0620	0.118	+/-0.0620		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	11/20/23	1412	2528726

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Th-01-RC Modified
2	DOE EML HASL-300, U-02-RC Modified
3	DOE HASL 300, 4.5.2.3/Ga-01-R

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Thorium-229 Tracer	Alphaspec Th, Solid "Dry Weight Corrected"	2534026	20.4	(15%-125%)
Uranium-232 Tracer	Alphaspec U, Solid "Dry Weight Corrected"	2534022	49.9	(15%-125%)

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Client Sample ID: 20231113-EA-MP-01 Dup
Sample ID: 645981002

Project: MJWC01023
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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Report Date: December 18, 2023

Contact: Alex Bartels
Project: Environmental Advantage

Client Sample ID: 20231113-EA-MP-02
Sample ID: 645981003
Matrix: Solid
Collect Date: 13-NOV-23
Receive Date: 20-NOV-23
Collector: Client
Moisture: 4.54%

Project: MJWC01023
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		0.901	+/-0.279	0.268	+/-0.290		pCi/g			RXF2	12/12/23	1930	2529194	1
Americium-241	U	0.0598	+/-0.0661	0.119	+/-0.0716		pCi/g							
Antimony-124	U	-0.0291	+/-0.0860	0.159	+/-0.0870		pCi/g							
Antimony-125	U	0.0408	+/-0.0862	0.170	+/-0.0882		pCi/g							
Barium-133	U	0.0194	+/-0.0426	0.0764	+/-0.0435		pCi/g							
Barium-140	U	-0.0910	+/-0.599	1.10	+/-0.600		pCi/g							
Beryllium-7	U	0.304	+/-0.378	0.763	+/-0.403		pCi/g							
Bismuth-212		1.55	+/-1.16	0.992	+/-1.17		pCi/g							
Bismuth-214		1.94	+/-0.232	0.119	+/-0.311		pCi/g							
Cerium-139	U	-0.00924	+/-0.0304	0.0530	+/-0.0307		pCi/g							
Cerium-141	U	0.0115	+/-0.0869	0.142	+/-0.0871		pCi/g							
Cerium-144	U	-0.0844	+/-0.184	0.323	+/-0.188		pCi/g							
Cesium-134	U	0.0718	+/-0.0418	0.0921	+/-0.0533		pCi/g							
Cesium-136	U	0.0588	+/-0.177	0.369	+/-0.179		pCi/g							
Cesium-137	U	-0.00934	+/-0.0382	0.0606	+/-0.0385	0.100	pCi/g							
Chromium-51	U	0.0585	+/-0.466	0.901	+/-0.466		pCi/g							
Cobalt-56	U	-0.00390	+/-0.0443	0.0763	+/-0.0443		pCi/g							
Cobalt-57	U	-0.00376	+/-0.0232	0.0417	+/-0.0233		pCi/g							
Cobalt-58	U	-0.0189	+/-0.0522	0.0788	+/-0.0529		pCi/g							
Cobalt-60	U	0.0161	+/-0.0326	0.0702	+/-0.0334		pCi/g							
Europium-152	U	0.0181	+/-0.0917	0.170	+/-0.0921		pCi/g							
Europium-154	U	-0.0233	+/-0.0994	0.187	+/-0.0999		pCi/g							
Europium-155	U	0.0419	+/-0.0838	0.158	+/-0.0860		pCi/g							
Iridium-192	U	-0.0203	+/-0.0344	0.0630	+/-0.0357		pCi/g							
Iron-59	U	-0.0503	+/-0.0999	0.180	+/-0.103		pCi/g							
Lead-210	U	0.924	+/-0.527	1.06	+/-0.679		pCi/g							
Lead-212		1.28	+/-0.129	0.0997	+/-0.163		pCi/g							
Lead-214		2.06	+/-0.254	0.135	+/-0.311		pCi/g							
Manganese-54	U	0.0143	+/-0.0341	0.0702	+/-0.0348		pCi/g							
Mercury-203	U	-0.0236	+/-0.0444	0.0821	+/-0.0457		pCi/g							
Neodymium-147	U	-1.04	+/-1.57	2.36	+/-1.64		pCi/g							
Neptunium-239	U	-0.187	+/-0.235	0.406	+/-0.250		pCi/g							
Niobium-94	U	0.00840	+/-0.0355	0.0665	+/-0.0357		pCi/g							
Niobium-95	U	-0.0101	+/-0.0529	0.0831	+/-0.0531		pCi/g							
Potassium-40		2.38	+/-0.676	0.559	+/-0.708		pCi/g							
Promethium-144	U	0.0104	+/-0.0318	0.0614	+/-0.0321		pCi/g							
Promethium-146	U	-0.00278	+/-0.0383	0.0719	+/-0.0383		pCi/g							
Radium-226		2.06	+/-0.254	0.135	+/-0.311		pCi/g							
Radium-228		0.901	+/-0.279	0.268	+/-0.290		pCi/g							

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Report Date: December 18, 2023

Contact: Alex Bartels
Project: Environmental Advantage

Client Sample ID: 20231113-EA-MP-02
Sample ID: 645981003

Project: MJWC01023
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	0.280	+/-0.311	0.638	+/-0.338		pCi/g							
Silver-110m	U	0.0276	+/-0.0459	0.0972	+/-0.0476		pCi/g							
Sodium-22	U	-0.00685	+/-0.0356	0.0674	+/-0.0357		pCi/g							
Thallium-208		0.263	+/-0.0838	0.0688	+/-0.0884		pCi/g							
Thorium-234		2.46	+/-1.56	1.13	+/-1.66		pCi/g							
Tin-113	U	-0.0156	+/-0.0492	0.0861	+/-0.0497		pCi/g							
Uranium-235	UI	0.000	+/-0.382	0.310	+/-0.383		pCi/g							
Uranium-238		2.46	+/-1.56	1.13	+/-1.66		pCi/g							
Yttrium-88	U	0.00311	+/-0.0337	0.0747	+/-0.0338		pCi/g							
Zinc-65	U	0.0262	+/-0.0932	0.166	+/-0.0939		pCi/g							
Zirconium-95	U	-0.0263	+/-0.0913	0.160	+/-0.0921		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	11/20/23	1412	2528726

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
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RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: December 18, 2023

Contact: Alex Bartels
Project: Environmental Advantage

Client Sample ID: 20231113-EA-03 Comp
Sample ID: 645981004
Matrix: Solid
Collect Date: 13-NOV-23
Receive Date: 20-NOV-23
Collector: Client
Moisture: 5.19%

Project: MJWC01023
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		0.852	+/-0.254	0.179	+/-0.268		pCi/g			RXF2	12/13/23	0501	2529194	1
Americium-241	U	0.0255	+/-0.119	0.221	+/-0.120		pCi/g							
Antimony-124	U	0.0491	+/-0.0691	0.163	+/-0.0726		pCi/g							
Antimony-125	U	-0.00592	+/-0.0678	0.127	+/-0.0679		pCi/g							
Barium-133	U	0.0176	+/-0.0292	0.0538	+/-0.0303		pCi/g							
Barium-140	U	0.226	+/-0.396	0.785	+/-0.409		pCi/g							
Beryllium-7	U	-0.0106	+/-0.278	0.519	+/-0.278		pCi/g							
Bismuth-212		0.762	+/-0.699	0.524	+/-0.703		pCi/g							
Bismuth-214		1.58	+/-0.155	0.0833	+/-0.208		pCi/g							
Cerium-139	U	-0.00122	+/-0.0213	0.0387	+/-0.0213		pCi/g							
Cerium-141	U	0.00361	+/-0.0582	0.0995	+/-0.0582		pCi/g							
Cerium-144	U	-0.0316	+/-0.129	0.236	+/-0.130		pCi/g							
Cesium-134	U	0.0209	+/-0.0283	0.0590	+/-0.0299		pCi/g							
Cesium-136	U	0.0276	+/-0.148	0.293	+/-0.149		pCi/g							
Cesium-137	U	-0.00920	+/-0.0248	0.0435	+/-0.0251	0.100	pCi/g							
Chromium-51	U	0.0899	+/-0.356	0.697	+/-0.358		pCi/g							
Cobalt-56	U	0.00438	+/-0.0229	0.0473	+/-0.0230		pCi/g							
Cobalt-57	U	-0.0131	+/-0.0171	0.0278	+/-0.0181		pCi/g							
Cobalt-58	U	0.00636	+/-0.0278	0.0561	+/-0.0279		pCi/g							
Cobalt-60	U	-0.0242	+/-0.0283	0.0456	+/-0.0304		pCi/g							
Europium-152	U	-0.00109	+/-0.0677	0.129	+/-0.0677		pCi/g							
Europium-154	U	-0.0962	+/-0.0705	0.0974	+/-0.0832		pCi/g							
Europium-155	UI	0.000	+/-0.128	0.115	+/-0.129		pCi/g							
Iridium-192	U	-0.00689	+/-0.0260	0.0491	+/-0.0262		pCi/g							
Iron-59	U	0.00237	+/-0.0656	0.128	+/-0.0656		pCi/g							
Lead-210	U	-0.800	+/-3.20	6.21	+/-3.22		pCi/g							
Lead-212		0.931	+/-0.0953	0.0708	+/-0.122		pCi/g							
Lead-214		1.85	+/-0.171	0.0983	+/-0.225		pCi/g							
Manganese-54	U	-0.00638	+/-0.0238	0.0450	+/-0.0240		pCi/g							
Mercury-203	U	0.0264	+/-0.0366	0.0674	+/-0.0385		pCi/g							
Neodymium-147	U	-1.04	+/-0.953	1.56	+/-1.07		pCi/g							
Neptunium-239	U	-0.0530	+/-0.171	0.290	+/-0.173		pCi/g							
Niobium-94	U	-0.00858	+/-0.0234	0.0407	+/-0.0237		pCi/g							
Niobium-95	U	0.00768	+/-0.0353	0.0595	+/-0.0355		pCi/g							
Potassium-40		2.85	+/-0.673	0.585	+/-0.725		pCi/g							
Promethium-144	U	-0.00294	+/-0.0244	0.0440	+/-0.0245		pCi/g							
Promethium-146	U	-0.0234	+/-0.0307	0.0536	+/-0.0326		pCi/g							
Radium-226		1.85	+/-0.171	0.0983	+/-0.225		pCi/g							
Radium-228		0.852	+/-0.254	0.179	+/-0.268		pCi/g							

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: December 18, 2023

Contact: Alex Bartels
Project: Environmental Advantage

Client Sample ID: 20231113-EA-03 Comp
Sample ID: 645981004

Project: MJWC01023
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	-0.0724	+/-0.239	0.424	+/-0.241		pCi/g							
Silver-110m	U	0.00760	+/-0.0348	0.0694	+/-0.0350		pCi/g							
Sodium-22	U	-0.0290	+/-0.0252	0.0345	+/-0.0285		pCi/g							
Thallium-208		0.363	+/-0.0631	0.0364	+/-0.0706		pCi/g							
Thorium-234	UI	0.000	+/-2.31	1.68	+/-2.50		pCi/g							
Tin-113	U	0.00259	+/-0.0336	0.0642	+/-0.0336		pCi/g							
Uranium-235	UI	0.000	+/-0.229	0.238	+/-0.230		pCi/g							
Uranium-238	UI	0.000	+/-2.31	1.68	+/-2.50		pCi/g							
Yttrium-88	U	0.0125	+/-0.0278	0.0630	+/-0.0284		pCi/g							
Zinc-65	U	0.0197	+/-0.0597	0.108	+/-0.0604		pCi/g							
Zirconium-95	U	0.0539	+/-0.0645	0.128	+/-0.0691		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	11/20/23	1412	2528726

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: **645981**

Report Date: December 18, 2023

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Alpha Spec										
Batch 2534022										
QC1205590009 645402001 DUP										
Uranium-233/234		4.73		4.40	pCi/g	7.32		(0%-20%)	CM4	12/08/2309:48
	Uncert:	+/-1.36		+/-1.23						
	TPU:	+/-1.58		+/-1.42						
Uranium-235/236	U	0.0622	U	-0.0491	pCi/g	0		N/A		
	Uncert:	+/-0.346		+/-0.217						
	TPU:	+/-0.346		+/-0.218						
Uranium-238		4.93		3.82	pCi/g	25.6*		(0%-20%)		
	Uncert:	+/-1.37		+/-1.14						
	TPU:	+/-1.60		+/-1.29						
QC1205590010 LCS										
Uranium-233/234				19.3	pCi/g				CM4	12/09/2310:56
	Uncert:			+/-1.89						
	TPU:			+/-3.17						
Uranium-235/236				1.17	pCi/g					
	Uncert:			+/-0.532						
	TPU:			+/-0.554						
Uranium-238	21.6			19.4	pCi/g		89.5	(75%-125%)		
	Uncert:			+/-1.89						
	TPU:			+/-3.17						
QC1205590008 MB										
Uranium-233/234			U	0.104	pCi/g				CM4	12/08/2309:48
	Uncert:			+/-0.359						
	TPU:			+/-0.360						
Uranium-235/236			U	-0.0521	pCi/g					
	Uncert:			+/-0.230						
	TPU:			+/-0.231						
Uranium-238			U	-0.0843	pCi/g					
	Uncert:			+/-0.195						
	TPU:			+/-0.196						
Batch 2534026										
QC1205590030 645402001 DUP										
Thorium-228	U	0.600	U	0.287	pCi/g	0		N/A	CM4	12/07/2315:32
	Uncert:	+/-0.610		+/-0.550						
	TPU:	+/-0.618		+/-0.552						
Thorium-230		2.88		3.55	pCi/g	20.6		(0% - 100%)		
	Uncert:	+/-1.13		+/-1.41						
	TPU:	+/-1.23		+/-1.55						
Thorium-232	U	0.356		1.43	pCi/g	81.1		(0% - 100%)		
	Uncert:	+/-0.466		+/-0.905						
	TPU:	+/-0.470		+/-0.941						
QC1205590031 LCS										

QC Summary

Workorder: **645981**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Alpha Spec										
Batch 2534026										
Thorium-228				18.0	pCi/g				CM4	12/07/2315:32
	Uncert:			+/-2.10						
	TPU:			+/-3.20						
Thorium-230				2.53	pCi/g			(75%-125%)		
	Uncert:			+/-0.815						
	TPU:			+/-0.889						
Thorium-232	16.3			17.0	pCi/g		104	(75%-125%)		
	Uncert:			+/-2.03						
	TPU:			+/-3.05						
QC1205590029 MB										
Thorium-228			U	0.0783	pCi/g				CM4	12/07/2315:32
	Uncert:			+/-0.233						
	TPU:			+/-0.233						
Thorium-230			U	-0.0231	pCi/g					
	Uncert:			+/-0.198						
	TPU:			+/-0.198						
Thorium-232			U	0.143	pCi/g					
	Uncert:			+/-0.226						
	TPU:			+/-0.227						
Rad Gamma Spec										
Batch 2529194										
QC1205581250 645981001 DUP										
Actinium-228		1.01		0.992	pCi/g	2.15		(0%-20%)	RXF2	12/13/2305:03
	Uncert:	+/-0.245		+/-0.225						
	TPU:	+/-0.268		+/-0.240						
Americium-241	U	-0.0101	U	-0.0696	pCi/g	0		N/A		
	Uncert:	+/-0.0234		+/-0.197						
	TPU:	+/-0.0239		+/-0.199						
Antimony-124	U	-0.0145	U	-0.0221	pCi/g	0		N/A		
	Uncert:	+/-0.0667		+/-0.0823						
	TPU:	+/-0.0670		+/-0.0829						
Antimony-125	U	-0.0105	U	-0.00865	pCi/g	0		N/A		
	Uncert:	+/-0.0575		+/-0.0705						
	TPU:	+/-0.0577		+/-0.0706						
Barium-133	U	-0.0240	U	-0.00413	pCi/g	0		N/A		
	Uncert:	+/-0.0302		+/-0.0393						
	TPU:	+/-0.0321		+/-0.0394						
Barium-140	U	-0.109	U	-0.0272	pCi/g	0		N/A		
	Uncert:	+/-0.365		+/-0.428						
	TPU:	+/-0.369		+/-0.428						
Beryllium-7	U	-0.0305	U	0.0939	pCi/g	0		N/A		
	Uncert:	+/-0.257		+/-0.288						
	TPU:	+/-0.257		+/-0.291						
Bismuth-212		1.59		1.32	pCi/g	18.6		(0% - 100%)		
	Uncert:	+/-0.680		+/-0.744						
	TPU:	+/-0.711		+/-0.758						

QC Summary

Workorder: **645981**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2529194										
Bismuth-214		1.60		1.62	pCi/g	.683		(0%-20%)		
	Uncert:	+/-0.170		+/-0.162						
	TPU:	+/-0.262		+/-0.237						
Cerium-139	U	0.00793	U	0.000379	pCi/g	0		N/A		
	Uncert:	+/-0.0149		+/-0.0266						
	TPU:	+/-0.0154		+/-0.0266						
Cerium-141	U	-0.00614	U	0.0463	pCi/g	0		N/A		
	Uncert:	+/-0.0403		+/-0.142						
	TPU:	+/-0.0404		+/-0.143						
Cerium-144	U	0.0336	U	-0.00874	pCi/g	0		N/A		
	Uncert:	+/-0.0882		+/-0.182						
	TPU:	+/-0.0896		+/-0.182						
Cesium-134	UI	0.000	U	0.0457	pCi/g	0		N/A		
	Uncert:	+/-0.0568		+/-0.0495						
	TPU:	+/-0.0669		+/-0.0538						
Cesium-136	U	-0.0343	U	-0.0418	pCi/g	0		N/A		
	Uncert:	+/-0.165		+/-0.169						
	TPU:	+/-0.166		+/-0.170						
Cesium-137	U	0.0110	U	-0.0152	pCi/g	0		N/A		
	Uncert:	+/-0.0242		+/-0.0305						
	TPU:	+/-0.0248		+/-0.0314						
Chromium-51	U	0.125	U	-0.267	pCi/g	0		N/A		
	Uncert:	+/-0.296		+/-0.437						
	TPU:	+/-0.302		+/-0.453						
Cobalt-56	U	-0.0136	U	0.0133	pCi/g	0		N/A		
	Uncert:	+/-0.0348		+/-0.0355						
	TPU:	+/-0.0354		+/-0.0360						
Cobalt-57	U	0.00291	U	-0.0195	pCi/g	0		N/A		
	Uncert:	+/-0.0109		+/-0.0243						
	TPU:	+/-0.0110		+/-0.0259						
Cobalt-58	U	0.0171	U	0.000405	pCi/g	0		N/A		
	Uncert:	+/-0.0315		+/-0.0302						
	TPU:	+/-0.0325		+/-0.0302						
Cobalt-60	U	0.0106	U	0.00611	pCi/g	0		N/A		
	Uncert:	+/-0.0284		+/-0.0287						
	TPU:	+/-0.0288		+/-0.0288						
Europium-152	U	-0.0376	U	-0.0984	pCi/g	0		N/A		
	Uncert:	+/-0.0608		+/-0.0815						
	TPU:	+/-0.0632		+/-0.0932						
Europium-154	U	0.00401	U	-0.00473	pCi/g	0		N/A		
	Uncert:	+/-0.0760		+/-0.0818						
	TPU:	+/-0.0761		+/-0.0818						
Europium-155	UI	0.000	U	0.0420	pCi/g	0		N/A		
	Uncert:	+/-0.0863		+/-0.0972						
	TPU:	+/-0.0872		+/-0.0991						
Iridium-192	U	0.0106	U	-0.0240	pCi/g	0		N/A		

QC Summary

Workorder: **645981**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2529194										
	Uncert:	+/-0.0216		+/-0.0327						
	TPU:	+/-0.0221		+/-0.0345						
Iron-59	U	0.0447	U	0.000967	pCi/g	0		N/A		
	Uncert:	+/-0.0811		+/-0.0758						
	TPU:	+/-0.0837		+/-0.0758						
Lead-210		1.07	U	1.72	pCi/g	165*		(0% - 100%)		
	Uncert:	+/-0.338		+/-5.81						
	TPU:	+/-0.353		+/-5.86						
Lead-212		1.13		1.11	pCi/g	1.79		(0%-20%)		
	Uncert:	+/-0.0817		+/-0.113						
	TPU:	+/-0.147		+/-0.143						
Lead-214		1.91		1.79	pCi/g	6.56		(0%-20%)		
	Uncert:	+/-0.162		+/-0.179						
	TPU:	+/-0.224		+/-0.232						
Manganese-54	U	-0.00431	U	-0.0265	pCi/g	0		N/A		
	Uncert:	+/-0.0293		+/-0.0336						
	TPU:	+/-0.0294		+/-0.0357						
Mercury-203	U	-0.00947	U	-0.0324	pCi/g	0		N/A		
	Uncert:	+/-0.0297		+/-0.0463						
	TPU:	+/-0.0300		+/-0.0486						
Neodymium-147	U	0.0469	U	-0.333	pCi/g	0		N/A		
	Uncert:	+/-0.754		+/-1.01						
	TPU:	+/-0.754		+/-1.02						
Neptunium-239	U	-0.0339	U	-0.206	pCi/g	0		N/A		
	Uncert:	+/-0.100		+/-0.252						
	TPU:	+/-0.102		+/-0.269						
Niobium-94	U	-0.000187	U	-0.00138	pCi/g	0		N/A		
	Uncert:	+/-0.0266		+/-0.0249						
	TPU:	+/-0.0266		+/-0.0249						
Niobium-95	U	0.0208	U	-0.0103	pCi/g	0		N/A		
	Uncert:	+/-0.0421		+/-0.0414						
	TPU:	+/-0.0432		+/-0.0416						
Potassium-40		3.20		2.49	pCi/g	24.9*		(0%-20%)		
	Uncert:	+/-0.835		+/-0.686						
	TPU:	+/-0.882		+/-0.717						
Promethium-144	U	-0.00368	U	-0.0178	pCi/g	0		N/A		
	Uncert:	+/-0.0231		+/-0.0243						
	TPU:	+/-0.0232		+/-0.0257						
Promethium-146	U	0.0268	U	-0.00736	pCi/g	0		N/A		
	Uncert:	+/-0.0249		+/-0.0334						
	TPU:	+/-0.0278		+/-0.0336						
Radium-226		1.91		1.79	pCi/g	6.56		(0%-20%)		
	Uncert:	+/-0.162		+/-0.179						
	TPU:	+/-0.224		+/-0.232						
Radium-228		1.01		0.992	pCi/g	2.15		(0%-20%)		
	Uncert:	+/-0.245		+/-0.225						

QC Summary

Workorder: **645981**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2529194										
	TPU:	+/-0.268		+/-0.240						
Ruthenium-106	U	0.0531	U	0.117	pCi/g	0		N/A		
	Uncert:	+/-0.215		+/-0.199						
	TPU:	+/-0.217		+/-0.207						
Silver-110m	U	-0.0117	U	-0.00389	pCi/g	0		N/A		
	Uncert:	+/-0.0317		+/-0.0372						
	TPU:	+/-0.0321		+/-0.0373						
Sodium-22	U	0.00251	U	-0.00312	pCi/g	0		N/A		
	Uncert:	+/-0.0272		+/-0.0289						
	TPU:	+/-0.0273		+/-0.0289						
Thallium-208		0.318		0.316	pCi/g	.82		(0%-20%)		
	Uncert:	+/-0.0558		+/-0.0762						
	TPU:	+/-0.0675		+/-0.0831						
Thorium-234		1.42	U	0.379	pCi/g	74.7		(0% - 100%)		
	Uncert:	+/-0.711		+/-1.70						
	TPU:	+/-0.780		+/-1.71						
Tin-113	U	0.0140	U	-0.000215	pCi/g	0		N/A		
	Uncert:	+/-0.0306		+/-0.0382						
	TPU:	+/-0.0313		+/-0.0382						
Uranium-235	U	0.0684	UI	0.000	pCi/g	0		N/A		
	Uncert:	+/-0.176		+/-0.324						
	TPU:	+/-0.176		+/-0.325						
Uranium-238		1.42	U	0.379	pCi/g	74.7		(0% - 100%)		
	Uncert:	+/-0.711		+/-1.70						
	TPU:	+/-0.780		+/-1.71						
Yttrium-88	U	0.00583	U	0.000616	pCi/g	0		N/A		
	Uncert:	+/-0.0294		+/-0.0296						
	TPU:	+/-0.0295		+/-0.0296						
Zinc-65	U	0.00571	U	0.0207	pCi/g	0		N/A		
	Uncert:	+/-0.0584		+/-0.0615						
	TPU:	+/-0.0584		+/-0.0622						
Zirconium-95	U	-0.000917	U	-0.0208	pCi/g	0		N/A		
	Uncert:	+/-0.0561		+/-0.0621						
	TPU:	+/-0.0561		+/-0.0628						
QC1205581251 LCS										
Actinium-228			U	-0.251	pCi/g				RXF2	12/13/2306:01
	Uncert:			+/-2.31						
	TPU:			+/-2.31						
Americium-241	484			515	pCi/g		106	(75%-125%)		
	Uncert:			+/-4.09						
	TPU:			+/-42.1						
Antimony-124			U	0.289	pCi/g					
	Uncert:			+/-0.642						
	TPU:			+/-0.655						
Antimony-125			U	-0.518	pCi/g					
	Uncert:			+/-1.23						

QC Summary

Workorder: **645981**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2529194										
	TPU:			+/-1.25						
Barium-133			U	-0.0284	pCi/g					
	Uncert:			+/-0.476						
	TPU:			+/-0.477						
Barium-140			U	3.95	pCi/g					
	Uncert:			+/-4.44						
	TPU:			+/-4.81						
Beryllium-7			U	4.81	pCi/g					
	Uncert:			+/-5.37						
	TPU:			+/-5.81						
Bismuth-212			U	5.25	pCi/g					
	Uncert:			+/-5.40						
	TPU:			+/-5.93						
Bismuth-214			U	-0.179	pCi/g					
	Uncert:			+/-0.728						
	TPU:			+/-0.732						
Cerium-139			U	0.0770	pCi/g					
	Uncert:			+/-0.211						
	TPU:			+/-0.215						
Cerium-141			U	-0.0230	pCi/g					
	Uncert:			+/-0.455						
	TPU:			+/-0.455						
Cerium-144			U	-0.00280	pCi/g					
	Uncert:			+/-1.22						
	TPU:			+/-1.22						
Cesium-134			U	-0.0217	pCi/g					
	Uncert:			+/-0.461						
	TPU:			+/-0.461						
Cesium-136			U	0.485	pCi/g					
	Uncert:			+/-2.18						
	TPU:			+/-2.19						
Cesium-137	152			161	pCi/g		106	(75%-125%)		
	Uncert:			+/-3.11						
	TPU:			+/-21.6						
Chromium-51			U	-1.90	pCi/g					
	Uncert:			+/-4.69						
	TPU:			+/-4.77						
Cobalt-56			U	0.162	pCi/g					
	Uncert:			+/-0.576						
	TPU:			+/-0.581						
Cobalt-57			U	-0.0225	pCi/g					
	Uncert:			+/-0.156						
	TPU:			+/-0.156						
Cobalt-58			U	-0.275	pCi/g					
	Uncert:			+/-0.545						
	TPU:			+/-0.560						

QC Summary

Workorder: **645981**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2529194										
Cobalt-60	62.8			63.8	pCi/g		102	(75%-125%)		
	Uncert:			+/-2.51						
	TPU:			+/-5.79						
Europium-152			U	0.379	pCi/g					
	Uncert:			+/-1.10						
	TPU:			+/-1.12						
Europium-154			U	0.0297	pCi/g					
	Uncert:			+/-0.817						
	TPU:			+/-0.817						
Europium-155			U	-0.206	pCi/g					
	Uncert:			+/-0.578						
	TPU:			+/-0.586						
Iridium-192			U	-0.267	pCi/g					
	Uncert:			+/-0.393						
	TPU:			+/-0.412						
Iron-59			U	-0.769	pCi/g					
	Uncert:			+/-1.57						
	TPU:			+/-1.61						
Lead-210				4360	pCi/g					
	Uncert:			+/-36.3						
	TPU:			+/-411						
Lead-212			U	-0.243	pCi/g					
	Uncert:			+/-0.502						
	TPU:			+/-0.514						
Lead-214			U	-0.549	pCi/g					
	Uncert:			+/-0.804						
	TPU:			+/-0.843						
Manganese-54			U	-0.222	pCi/g					
	Uncert:			+/-0.502						
	TPU:			+/-0.512						
Mercury-203			U	0.0283	pCi/g					
	Uncert:			+/-0.397						
	TPU:			+/-0.398						
Neodymium-147			U	3.94	pCi/g					
	Uncert:			+/-10.6						
	TPU:			+/-10.8						
Neptunium-239			U	-1.19	pCi/g					
	Uncert:			+/-1.52						
	TPU:			+/-1.63						
Niobium-94			U	-0.237	pCi/g					
	Uncert:			+/-0.331						
	TPU:			+/-0.349						
Niobium-95			U	-0.276	pCi/g					
	Uncert:			+/-0.492						
	TPU:			+/-0.508						
Potassium-40			U	-1.32	pCi/g					

QC Summary

Workorder: **645981**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2529194										
	Uncert:			+/-2.06						
	TPU:			+/-2.15						
Promethium-144			U	-0.00290	pCi/g					
	Uncert:			+/-0.350						
	TPU:			+/-0.350						
Promethium-146			U	-0.196	pCi/g					
	Uncert:			+/-0.645						
	TPU:			+/-0.651						
Radium-226			U	-0.549	pCi/g					
	Uncert:			+/-0.804						
	TPU:			+/-0.843						
Radium-228			U	-0.251	pCi/g					
	Uncert:			+/-2.31						
	TPU:			+/-2.31						
Ruthenium-106			U	1.87	pCi/g					
	Uncert:			+/-3.46						
	TPU:			+/-3.57						
Silver-110m			U	0.293	pCi/g					
	Uncert:			+/-0.857						
	TPU:			+/-0.868						
Sodium-22			U	0.00550	pCi/g					
	Uncert:			+/-0.289						
	TPU:			+/-0.289						
Thallium-208			U	-0.0455	pCi/g					
	Uncert:			+/-0.393						
	TPU:			+/-0.393						
Thorium-234			U	3.42	pCi/g					
	Uncert:			+/-3.89						
	TPU:			+/-4.26						
Tin-113			U	0.0109	pCi/g					
	Uncert:			+/-0.589						
	TPU:			+/-0.589						
Uranium-235			U	0.106	pCi/g					
	Uncert:			+/-1.27						
	TPU:			+/-1.27						
Uranium-238			U	3.42	pCi/g					
	Uncert:			+/-3.89						
	TPU:			+/-4.26						
Yttrium-88			U	0.0235	pCi/g					
	Uncert:			+/-0.226						
	TPU:			+/-0.227						
Zinc-65			U	0.179	pCi/g					
	Uncert:			+/-1.15						
	TPU:			+/-1.15						
Zirconium-95			U	0.310	pCi/g					
	Uncert:			+/-0.892						

QC Summary

Workorder: **645981**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2529194										
	TPU:			+/-0.904						
QC1205581249 MB										
Actinium-228			U	-0.0168	pCi/g				RXF2	12/13/2305:02
	Uncert:			+/-0.0738						
	TPU:			+/-0.0742						
Americium-241			U	0.0626	pCi/g					
	Uncert:			+/-0.0835						
	TPU:			+/-0.0838						
Antimony-124			U	-0.0342	pCi/g					
	Uncert:			+/-0.0495						
	TPU:			+/-0.0519						
Antimony-125			U	0.0190	pCi/g					
	Uncert:			+/-0.0328						
	TPU:			+/-0.0339						
Barium-133			U	-0.000855	pCi/g					
	Uncert:			+/-0.0158						
	TPU:			+/-0.0158						
Barium-140			U	-0.00983	pCi/g					
	Uncert:			+/-0.148						
	TPU:			+/-0.148						
Beryllium-7			U	-0.0316	pCi/g					
	Uncert:			+/-0.133						
	TPU:			+/-0.134						
Bismuth-212			U	0.0362	pCi/g					
	Uncert:			+/-0.166						
	TPU:			+/-0.167						
Bismuth-214			U	0.00530	pCi/g					
	Uncert:			+/-0.0358						
	TPU:			+/-0.0359						
Cerium-139			U	0.00183	pCi/g					
	Uncert:			+/-0.0116						
	TPU:			+/-0.0116						
Cerium-141			U	3.85E-05	pCi/g					
	Uncert:			+/-0.0267						
	TPU:			+/-0.0267						
Cerium-144			U	0.0217	pCi/g					
	Uncert:			+/-0.0637						
	TPU:			+/-0.0645						
Cesium-134			U	0.00389	pCi/g					
	Uncert:			+/-0.0156						
	TPU:			+/-0.0157						
Cesium-136			U	-0.0194	pCi/g					
	Uncert:			+/-0.0620						
	TPU:			+/-0.0626						
Cesium-137			U	0.0108	pCi/g					
	Uncert:			+/-0.0239						

QC Summary

Workorder: **645981**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2529194										
	TPU:			+/-0.0239						
Chromium-51			U	0.0215	pCi/g					
	Uncert:			+/-0.146						
	TPU:			+/-0.146						
Cobalt-56			U	-0.00937	pCi/g					
	Uncert:			+/-0.0156						
	TPU:			+/-0.0161						
Cobalt-57			U	0.00364	pCi/g					
	Uncert:			+/-0.00833						
	TPU:			+/-0.00850						
Cobalt-58			U	-0.00463	pCi/g					
	Uncert:			+/-0.0171						
	TPU:			+/-0.0173						
Cobalt-60			U	0.0154	pCi/g					
	Uncert:			+/-0.0139						
	TPU:			+/-0.0156						
Europium-152			U	0.00679	pCi/g					
	Uncert:			+/-0.0368						
	TPU:			+/-0.0369						
Europium-154			U	0.000266	pCi/g					
	Uncert:			+/-0.0430						
	TPU:			+/-0.0430						
Europium-155			U	-0.0476	pCi/g					
	Uncert:			+/-0.0392						
	TPU:			+/-0.0450						
Iridium-192			U	0.000366	pCi/g					
	Uncert:			+/-0.0127						
	TPU:			+/-0.0127						
Iron-59			U	0.0129	pCi/g					
	Uncert:			+/-0.0328						
	TPU:			+/-0.0333						
Lead-210			U	-0.751	pCi/g					
	Uncert:			+/-1.16						
	TPU:			+/-1.21						
Lead-212			U	0.00196	pCi/g					
	Uncert:			+/-0.0496						
	TPU:			+/-0.0496						
Lead-214			U	-0.0180	pCi/g					
	Uncert:			+/-0.0360						
	TPU:			+/-0.0369						
Manganese-54			U	-0.00634	pCi/g					
	Uncert:			+/-0.0124						
	TPU:			+/-0.0128						
Mercury-203			U	-0.00567	pCi/g					
	Uncert:			+/-0.0146						
	TPU:			+/-0.0148						

QC Summary

Workorder: **645981**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2529194										
Neodymium-147			U	0.135	pCi/g					
	Uncert:			+/-0.346						
	TPU:			+/-0.352						
Neptunium-239			U	0.0197	pCi/g					
	Uncert:			+/-0.0866						
	TPU:			+/-0.0870						
Niobium-94			U	-0.0150	pCi/g					
	Uncert:			+/-0.0160						
	TPU:			+/-0.0175						
Niobium-95			U	0.00663	pCi/g					
	Uncert:			+/-0.0170						
	TPU:			+/-0.0173						
Potassium-40			U	0.105	pCi/g					
	Uncert:			+/-0.284						
	TPU:			+/-0.284						
Promethium-144			U	0.000250	pCi/g					
	Uncert:			+/-0.0155						
	TPU:			+/-0.0155						
Promethium-146			U	0.00729	pCi/g					
	Uncert:			+/-0.0146						
	TPU:			+/-0.0150						
Radium-226			U	-0.0180	pCi/g					
	Uncert:			+/-0.0360						
	TPU:			+/-0.0369						
Radium-228			U	-0.0168	pCi/g					
	Uncert:			+/-0.0738						
	TPU:			+/-0.0742						
Ruthenium-106			U	-0.00265	pCi/g					
	Uncert:			+/-0.128						
	TPU:			+/-0.128						
Silver-110m			U	-0.00480	pCi/g					
	Uncert:			+/-0.0182						
	TPU:			+/-0.0183						
Sodium-22			U	0.000477	pCi/g					
	Uncert:			+/-0.0153						
	TPU:			+/-0.0153						
Thallium-208			U	0.000449	pCi/g					
	Uncert:			+/-0.0197						
	TPU:			+/-0.0197						
Thorium-234			U	-0.145	pCi/g					
	Uncert:			+/-0.421						
	TPU:			+/-0.427						
Tin-113			U	-0.00197	pCi/g					
	Uncert:			+/-0.0173						
	TPU:			+/-0.0173						
Uranium-235			U	0.0465	pCi/g					

QC Summary

Workorder: **645981**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 2529194										
	Uncert:			+/-0.124						
	TPU:			+/-0.124						
Uranium-238			U	-0.145	pCi/g					
	Uncert:			+/-0.421						
	TPU:			+/-0.427						
Yttrium-88			U	-0.0229	pCi/g					
	Uncert:			+/-0.0177						
	TPU:			+/-0.0205						
Zinc-65			U	0.00150	pCi/g					
	Uncert:			+/-0.0299						
	TPU:			+/-0.0299						
Zirconium-95			U	0.0159	pCi/g					
	Uncert:			+/-0.0258						
	TPU:			+/-0.0268						

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.
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

QC Summary

Workorder: **645981**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

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.

Alpha Spectroscopy
Raw Data

Batch 2534022 Check-list

This check-list was completed on 11-DEC-23 by Melanie Aycock

This batch was reviewed by Melanie Aycock on 11-DEC-23 and Scott Moreland on 11-DEC-23.

Batch ID: 2534022 **Product:** ASP__UUS **Description:** Alpha Spec Uranium GL-RAD-A-011

#	Criteria	Yes	No	Comments
Preparation Information				
1	Was the preservation correct for this analysis?	Yes		
Internal Checklist Information				
2	Are instrument source checks within limits?	Yes		
3	Have samples been blank corrected?		No	
4	Has an Aliquot Correction been completed for this batch?		No	
5	Have sample historical results been reviewed for this batch?	Yes		
Technical Information				
6	Were all the samples prepared/analyzed within the required holding time period?	Yes		
7	Are any sample results more negative than 3xTPU?		No	
Quality Control (QC) Information				
8	Was the method blank (MB) within the acceptance criteria?	Yes		
9	Were all tracer/carrier recoveries within the required acceptance limits?	Yes		
10	Were the laboratory control sample (LCS/LCSD) recoveries within the acceptance limits?	Yes		
11	Were the relative percent differences and/or error (RPD/RER) between the sample and its duplicate within acceptable limits?		No	
12	Has the method required detection limit been met?	Yes		
Miscellaneous Information				
13	Were manual integrations performed on any sample or QC data files in this batch?		No	
14	Are sample-specific MDA/MDC calculated and reported?	Yes		

Prep Logbook

Uranium

Batch ID: **2534022**
Analyst: Chandler Metts (CM4)
Method: DOE EML HASL-300, U-02-RC Modified
Lab SOP: GL-RAD-A-011 REV# 28
Instrument: BAL-18550299

Due Dates for Lab: 12-DEC-2023 **Package: 13-DEC-2023** **SDG: 14-DEC-2023**

Type	Sample Id	Description	Serial Number	Spike Amount	Spike Units
LCS	1205590010	Uranium-238 AS SPIKE	1600-P	.1	mL

#	Sample ID	Prep Date	Min RDL (pCi/g)	Dry or Wet	Unadjusted Aliquot (g)	Aliquot (g)
1	645402001	04-DEC-2023	1	Dry to Dry	0.119	0.119
2	645402002	04-DEC-2023	1	Dry to Dry	0.12	0.12
3	645863002	04-DEC-2023	1	Dry to Dry	0.117	0.117
4	645981002	04-DEC-2023	1	Dry to Dry	0.116	0.116
5	646261002	04-DEC-2023	1	Dry to Dry	0.12	0.12
6	646494004	04-DEC-2023	1	Dry to Dry	0.112	0.112
7	646494005	04-DEC-2023	1	Dry to Dry	0.123	0.123
8	646494014	04-DEC-2023	1	Dry to Dry	0.124	0.124
9	646494030	04-DEC-2023	1	Dry to Dry	0.12	0.12
10	1205590008 MB	04-DEC-2023	1	Dry to Wet		0.124
11	1205590009 DUP (645402001)	04-DEC-2023	1	Dry to Dry	0.116	0.116
12	1205590010 LCS	04-DEC-2023	1	Dry to Wet		0.124

Reagent/Solvent Lot ID	Description	Amount
WORK 1564-II	Uranium-232 AS TRACER	.1 ml
REGNT 3976130.3	Acetone	1 mL
REGNT 3976909.2	Hydrogen Peroxide 30% ACS Reagent	.1 mL
REGNT 4068848	0.1M HCl	15 mL
REGNT 4068304	6M Hydrochloric Acid/0.52M Hydrofluoric Acid	15 mL
REGNT 4068306	RASP-6M Hydrochloric Acid	5 mL
REGNT 4044382.1	Anion Exchange Resin 1x8 100-200 Mesh Resin	3 mL
REGNT 4056462	RASP- Ethyl Alcohol (80%)	5 mL
REGNT 3972570	Iron Carrier	2 mL
REGNT 4067119	Neodymium 500 MG/L in 4% HNO3	.1 mL
REGNT 4068852	RASP-Neodymium Substrate	5 mL
REGNT 3473590.1	RASP-Titanium Chloride	.5 mL
REGNT 4059813	5% Saturated Boric Acid	1 mL
REGNT 4068820	9M Hydrochloric Acid	30 mL
REGNT 4064439.3	RASP-Ammonium Hydroxide	10 mL
REGNT 4059521.1	RASP-Hydrochloric Acid	20 mL
REGNT 4058522.8	RASP-Hydrofluoric Acid	30 mL
REGNT 4066223.8	Nitric Acid	20 mL

Comments:

Pipet Id: RAD-ASP-184002Z
Pu-236 Tracer Used: No
Analyzed With: N/A
Data Entry Date2: 04-DEC-2023 00:00

GEL Laboratories LLC
ALPHA SPECTROSCOPY REPORT

Instrument SOP: GL-RAD-I-009
Analytical SOP: GL-RAD-A-011

BATCH NUMBER : 2534022	CHAMBER : 158	LIB FILE : UU
SAMPLE ID : S0645402001_UU	DETECTOR S/N : 155813	BKG FILE : B158.CNF;1833
SAMPLE QTY : 0.119 G +/-0.840 %	AVERAGE %EFFICIENCY : 39.0874	BKG DATE : 01-Dec-2023
SAMPLE DATE : 09-Nov-2023 00:00:00	AVERAGE %EFF ERROR : 0.7524	BKG LIVE TIME(SEC) : 60000.00
ANALYST : CM4	COUNT DATE : 08-Dec-2023 08:41:46	EFF FILE : W158.CNF;20
% YIELD : 41.7 +/-8.278 %	ELAPSED LIVE TIME(SEC) : 14400.00	CAL DATE : 14-Nov-2023

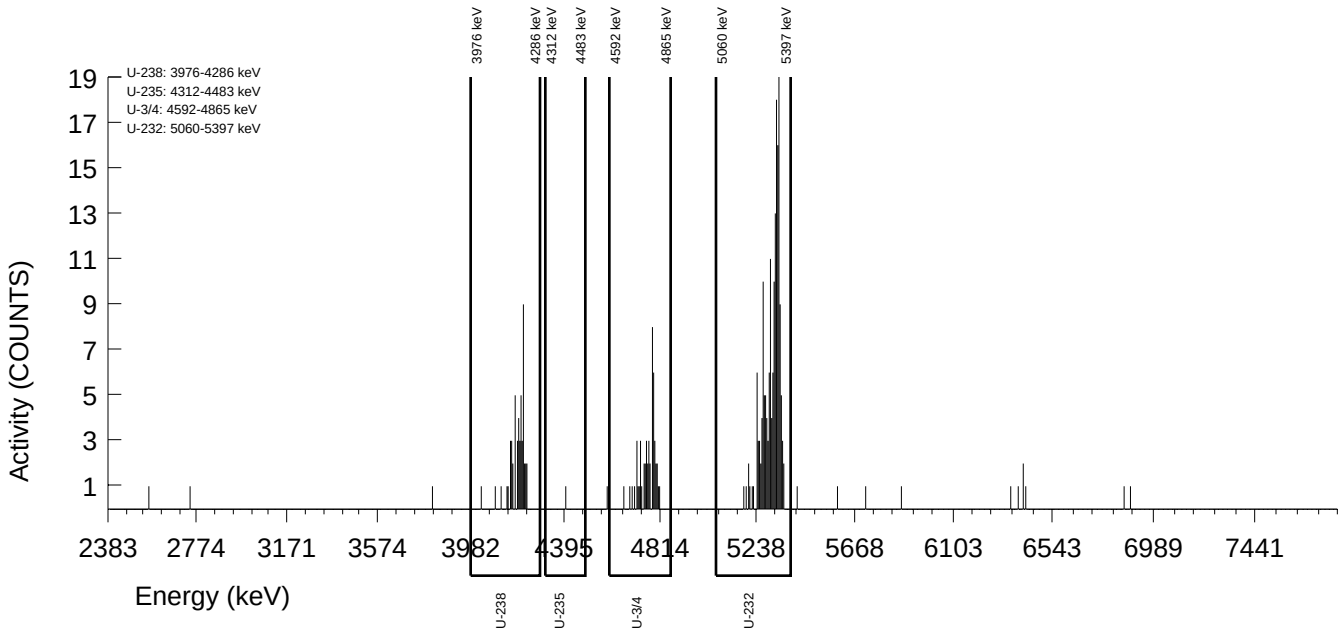
TRACER
ID : 1564-II
NUCLIDE : U-232
NOMINAL : 4.4204E+00 dpm
RESULTS : 1.8435E+00 dpm

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	LIBRARY ENERGY	PEAK ENERGY	PEAK FWHM	GROSS AREA	NET AREA	BKG AREA	BKG StDev	%ABUN	ACTIVITY pCi/G	1.96-sigma TPU pCi/G	MDA pCi/G	Lc pCi/G	1.96-sigma cnt Unc pCi/G
U-232	5302.10	5307.16	68.198	174.000	172.800	1.200	1.0954	100.000	1.67E+01	3.76E+00	6.79E-01	1.94E-01	2.51E+00
U-3/4	4763.02	4760.98	10.529	50.000	48.934	0.480	0.6928	100.000	4.73E+00	1.58E+00	6.36E-01	1.73E-01	1.36E+00
U-235	4391.00	4400.15	4.860	1.000	0.520	0.480	0.6928	80.900	6.22E-02	3.46E-01	6.62E-01	1.52E-01	3.46E-01
U-238	4184.73	4186.79	37.628	51.000	51.000	0.000	1.0000	100.000	4.93E+00	1.60E+00	2.90E-01	1.77E-01	1.37E+00

NOTES:

* Correction made to the following net area due to tracer impurity:
U-3/4 (0.586 +/-0.018)



GEL Laboratories LLC
ALPHA SPECTROSCOPY REPORT

Instrument SOP: GL-RAD-I-009
Analytical SOP: GL-RAD-A-011

BATCH NUMBER : 2534022	CHAMBER : 117	LIB FILE : UU
SAMPLE ID : S0645981002_UU	DETECTOR S/N : 80003	BKG FILE : B117.CNF;1927
SAMPLE QTY : 0.116 G +/-0.862 %	AVERAGE %EFFICIENCY : 26.1702	BKG DATE : 01-Dec-2023
SAMPLE DATE : 13-Nov-2023 00:00:00	AVERAGE %EFF ERROR : 0.5086	BKG LIVE TIME(SEC) : 60000.00
ANALYST : CM4	COUNT DATE : 08-Dec-2023 09:48:15	EFF FILE : W117.CNF;501
% YIELD : 49.9 +/-9.154 %	ELAPSED LIVE TIME(SEC) : 14400.00	CAL DATE : 13-Nov-2023

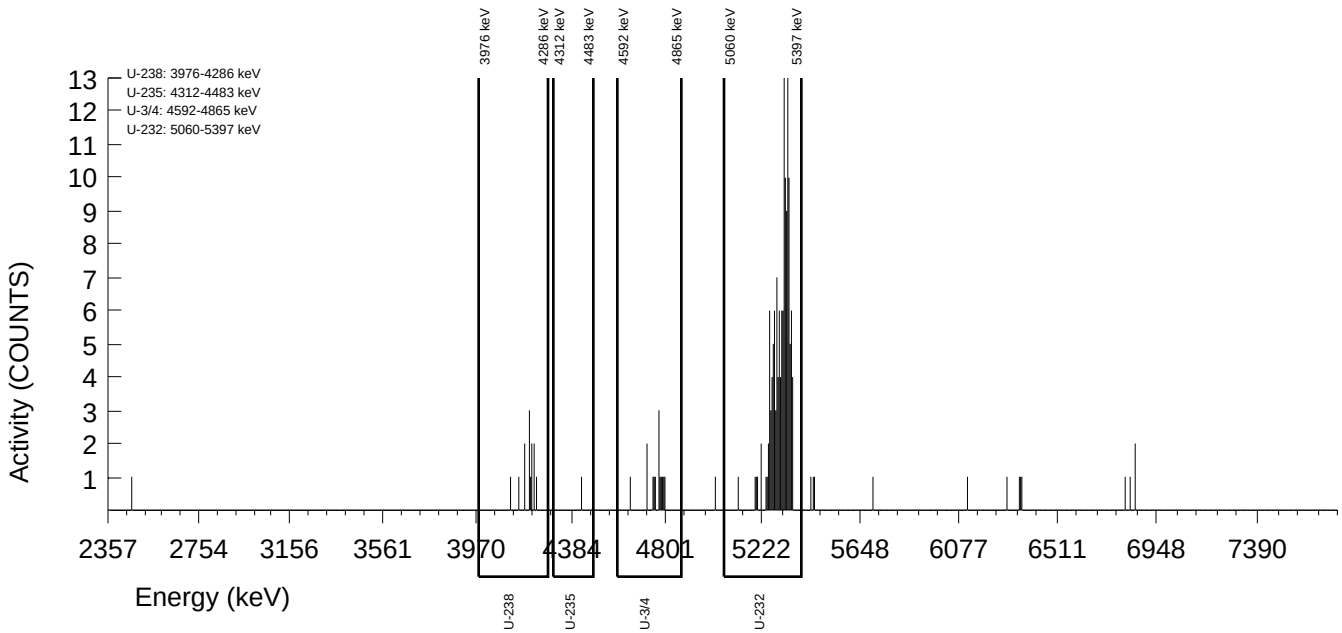
TRACER
ID : 1564-II
NUCLIDE : U-232
NOMINAL : 4.4199E+00 dpm
RESULTS : 2.2038E+00 dpm

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	LIBRARY ENERGY	PEAK ENERGY	PEAK FWHM	GROSS AREA	NET AREA	BKG AREA	BKG StDev	%ABUN	ACTIVITY pCi/G	1.96-sigma TPU pCi/G	MDA pCi/G	Lc pCi/G	1.96-sigma cnt Unc pCi/G
U-232	5302.10	5303.47	53.482	140.000	138.320	1.680	1.2961	100.000	1.72E+01	4.29E+00	9.61E-01	2.95E-01	2.89E+00
U-3/4	4763.02	4754.28	54.347	14.000	10.651	2.880	1.6971	100.000	1.32E+00	9.97E-01	1.19E+00	4.10E-01	9.64E-01
U-235	4391.00	4430.43	4.941	1.000	1.000	0.000	1.0000	80.900	1.53E-01	4.32E-01	4.60E-01	2.81E-01	4.31E-01
U-238	4184.73	4196.77	41.995	13.000	12.520	0.480	0.6928	100.000	1.55E+00	9.59E-01	6.87E-01	1.57E-01	9.15E-01

NOTES:

* Correction made to the following net area due to tracer impurity:
U-3/4 (0.469 +/-0.014)



GEL Laboratories LLC
ALPHA SPECTROSCOPY REPORT

Instrument SOP: GL-RAD-I-009
Analytical SOP: GL-RAD-A-011

BATCH NUMBER : 2534022	CHAMBER : 131	LIB FILE : UU
SAMPLE ID : S1205590008_UU	DETECTOR S/N : 126132	BKG FILE : B131.CNF;1929
SAMPLE QTY : 0.124 G +/-0.806 %	AVERAGE %EFFICIENCY : 26.6481	BKG DATE : 01-Dec-2023
SAMPLE DATE : 04-Dec-2023 00:00:00	AVERAGE %EFF ERROR : 0.5176	BKG LIVE TIME(SEC) : 60000.00
ANALYST : CM4	COUNT DATE : 08-Dec-2023 09:48:32	EFF FILE : W131.CNF;509
% YIELD : 64.7 +/-8.083 %	ELAPSED LIVE TIME(SEC) : 14400.00	CAL DATE : 13-Nov-2023

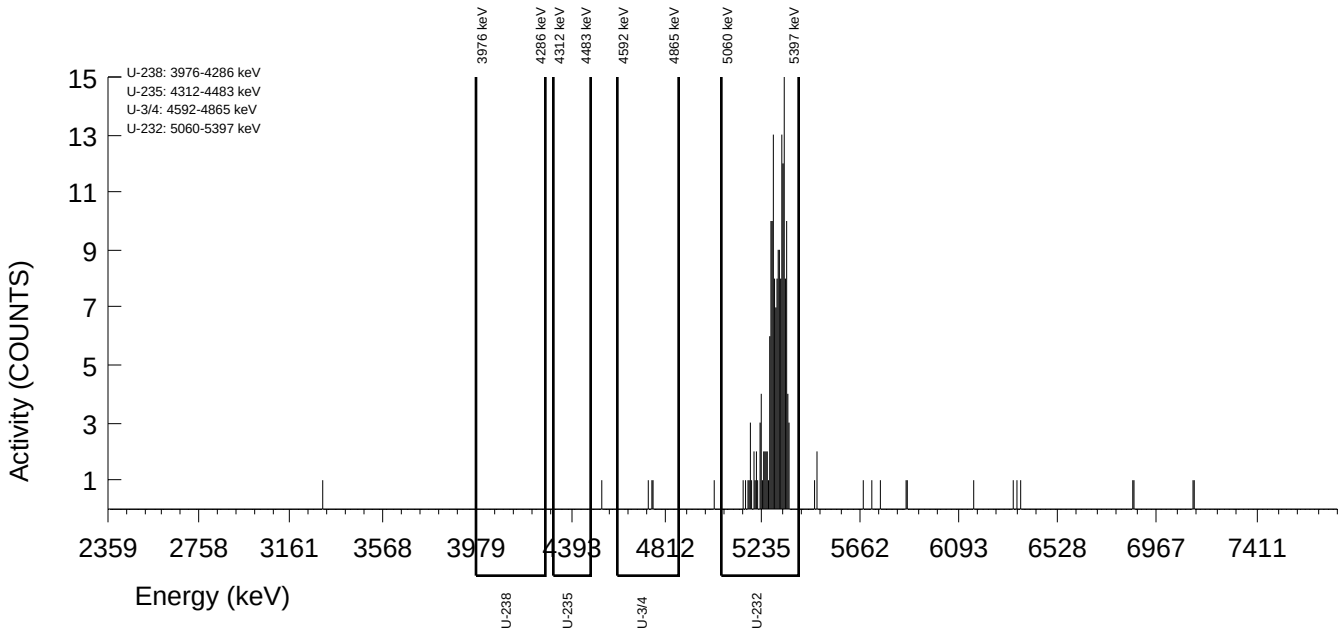
TRACER
ID : 1564-II
NUCLIDE : U-232
NOMINAL : 4.4173E+00 dpm
RESULTS : 2.8586E+00 dpm

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	LIBRARY ENERGY	PEAK ENERGY	PEAK FWHM	GROSS AREA	NET AREA	BKG AREA	BKG StDev	%ABUN	ACTIVITY pCi/G	1.96-sigma TPU pCi/G	MDA pCi/G	Lc pCi/G	1.96-sigma cnt Unc pCi/G
U-232	5302.10	5292.95	69.643	184.000	182.800	1.200	1.0954	100.000	1.60E+01	3.52E+00	6.16E-01	1.76E-01	2.34E+00
U-3/4	4763.02	4745.84	24.799	3.000	1.180	1.200	1.0954	100.000	1.04E-01	3.60E-01	6.83E-01	2.10E-01	3.59E-01
U-235	4391.00	4397.19	0.000	0.000	-0.480	0.480	0.6928	80.900	-5.21E-02	2.31E-01	6.01E-01	1.38E-01	2.30E-01
U-238	4184.73	4130.83	0.000	0.000	-0.960	0.960	0.9798	100.000	-8.43E-02	1.96E-01	5.78E-01	1.58E-01	1.95E-01

NOTES:

* Correction made to the following net area due to tracer impurity:
U-3/4 (0.620 +/-0.019)



GEL Laboratories LLC
ALPHA SPECTROSCOPY REPORT

Instrument SOP: GL-RAD-I-009
Analytical SOP: GL-RAD-A-011

BATCH NUMBER : 2534022	CHAMBER : 133	LIB FILE : UU
SAMPLE ID : S1205590009_UU	DETECTOR S/N : 101520	BKG FILE : B133.CNF;1929
SAMPLE QTY : 0.116 G +/-0.862 %	AVERAGE %EFFICIENCY : 25.5917	BKG DATE : 01-Dec-2023
SAMPLE DATE : 09-Nov-2023 00:00:00	AVERAGE %EFF ERROR : 0.4978	BKG LIVE TIME(SEC) : 60000.00
ANALYST : CM4	COUNT DATE : 08-Dec-2023 09:48:33	EFF FILE : W133.CNF;107
% YIELD : 76.3 +/-7.696 %	ELAPSED LIVE TIME(SEC) : 14400.00	CAL DATE : 13-Nov-2023

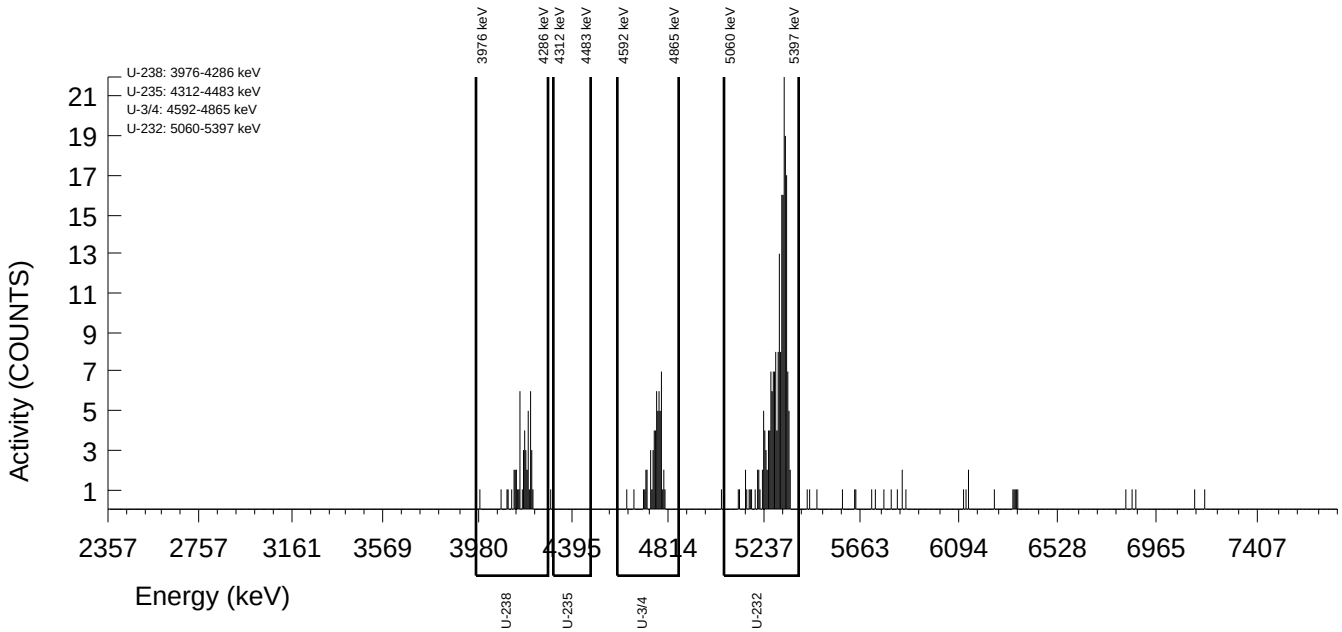
TRACER
ID : 1564-II
NUCLIDE : U-232
NOMINAL : 4.4204E+00 dpm
RESULTS : 3.3749E+00 dpm

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	LIBRARY ENERGY	PEAK ENERGY	PEAK FWHM	GROSS AREA	NET AREA	BKG AREA	BKG StDev	%ABUN	ACTIVITY pCi/G	1.96-sigma TPU pCi/G	MDA pCi/G	Lc pCi/G	1.96-sigma cnt Unc pCi/G
U-232	5302.10	5298.46	34.843	210.000	207.120	2.880	1.6971	100.000	1.72E+01	3.58E+00	7.64E-01	2.58E-01	2.36E+00
U-3/4	4763.02	4761.81	35.258	56.000	53.137	2.160	1.4697	100.000	4.40E+00	1.42E+00	7.49E-01	2.50E-01	1.23E+00
U-235	4391.00	4397.19	0.000	0.000	-0.480	0.480	0.6928	80.900	-4.91E-02	2.18E-01	5.67E-01	1.30E-01	2.17E-01
U-238	4184.73	4175.97	52.763	48.000	46.080	1.920	1.3856	100.000	3.82E+00	1.29E+00	6.69E-01	2.10E-01	1.14E+00

NOTES:

* Correction made to the following net area due to tracer impurity:
U-3/4 (0.703 +/-0.021)



GEL Laboratories LLC
ALPHA SPECTROSCOPY REPORT

Instrument SOP: GL-RAD-I-009
Analytical SOP: GL-RAD-A-011

BATCH NUMBER : 2534022	CHAMBER : 014	LIB FILE : UU
SAMPLE ID : S1205590010_UU	DETECTOR S/N : 83289	BKG FILE : B014.CNF;2587
SAMPLE QTY : 0.124 G +/-0.806 %	AVERAGE %EFFICIENCY : 33.5746	BKG DATE : 08-Dec-2023
SAMPLE DATE : 04-Dec-2023 00:00:00	AVERAGE %EFF ERROR : 0.6483	BKG LIVE TIME(SEC) : 59999.99
ANALYST : CM4	COUNT DATE : 09-Dec-2023 10:56:07	EFF FILE : W014.CNF;713
% YIELD : 94.3 +/-6.383 %	ELAPSED LIVE TIME(SEC) : 14400.00	CAL DATE : 01-Dec-2023

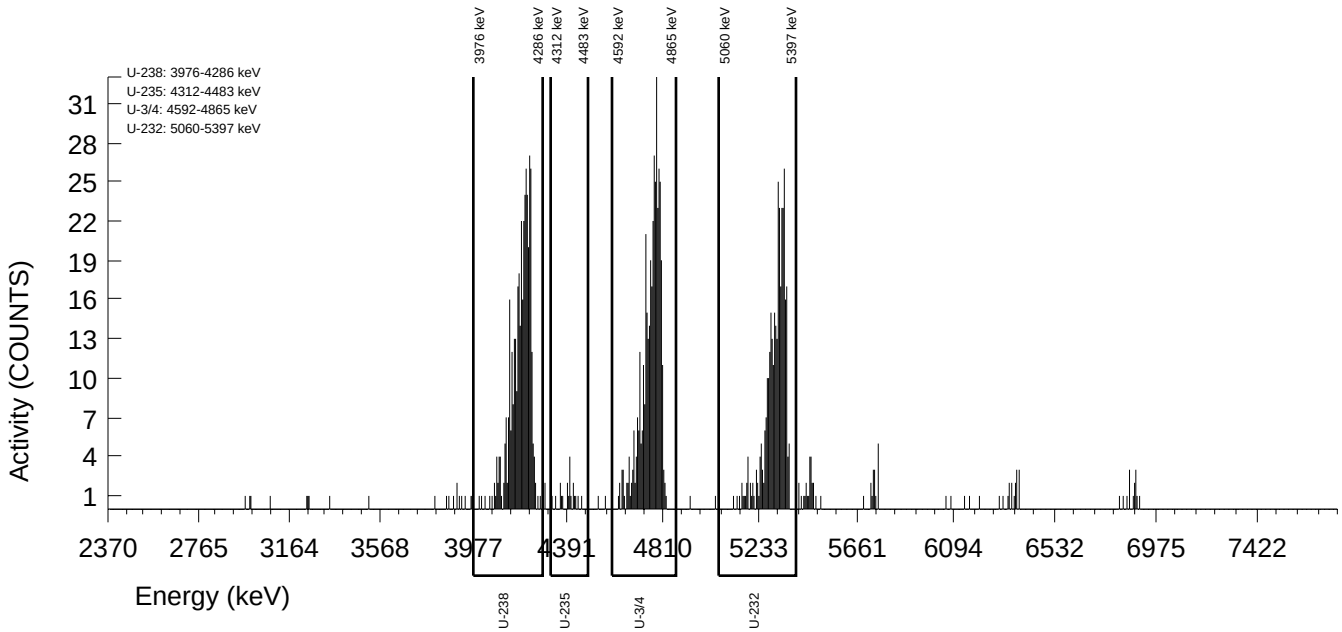
TRACER		LCS	
ID	: 1564-II	ID	1600-P
NUCLIDE	: U-232	NUCLIDE	U-238
NOMINAL	: 4.4173E+00 dpm	NOMINAL (pCi/G)	2.1631E+01
RESULTS	: 4.1660E+00 dpm	% RECOVERY	89.500

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	LIBRARY ENERGY	PEAK ENERGY	PEAK FWHM	GROSS AREA	NET AREA	BKG AREA	BKG StDev	%ABUN	ACTIVITY pCi/G	1.96-sigma TPU pCi/G	MDA pCi/G	Lc pCi/G	1.96-sigma cnt Unc pCi/G
U-232	5302.10	5305.20	68.513	345.000	335.640	9.360	3.0594	100.000	1.60E+01	2.74E+00	6.79E-01	2.68E-01	1.75E+00
U-3/4	4763.02	4757.63	66.965	407.000	403.461	2.400	1.5492	100.000	1.93E+01	3.17E+00	4.62E-01	1.60E-01	1.89E+00
U-235	4391.00	4394.29	6.537	20.000	19.760	0.240	0.4899	80.900	1.17E+00	5.54E-01	2.83E-01	5.30E-02	5.32E-01
U-238	4184.73	4184.22	93.989	405.000	405.000	0.000	1.0000	100.000	1.94E+01	3.17E+00	1.43E-01	8.76E-02	1.89E+00

NOTES:

* Correction made to the following net area due to tracer impurity:
U-3/4 (1.139 +/-0.034)



Batch 2534026 Check-list

This check-list was completed on 11-DEC-23 by Melanie Aycock

This batch was reviewed by Melanie Aycock on 11-DEC-23 and Scott Moreland on 11-DEC-23.

Batch ID: 2534026
Product: ASP__THS
Description: Alpha Spec Thorium GL-RAD-A-038

#	Criteria	Yes	No	Comments
Preparation Information				
1	Was the preservation correct for this analysis?	Yes		
Internal Checklist Information				
2	Are instrument source checks within limits?	Yes		
3	Have samples been blank corrected?		No	
4	Has an Aliquot Correction been completed for this batch?		No	
5	Have sample historical results been reviewed for this batch?	Yes		
Technical Information				
6	Were all the samples prepared/analyzed within the required holding time period?	Yes		
7	Are any sample results more negative than 3xTPU?		No	
Quality Control (QC) Information				
8	Was the method blank (MB) within the acceptance criteria?	Yes		
9	Were all tracer/carrier recoveries within the required acceptance limits?	Yes		
10	Were the laboratory control sample (LCS/LCSD) recoveries within the acceptance limits?	Yes		
11	Were the relative percent differences and/or error (RPD/RER) between the sample and its duplicate within acceptable limits?	Yes		
12	Has the method required detection limit been met?	Yes		
Miscellaneous Information				
13	Were manual integrations performed on any sample or QC data files in this batch?		No	
14	Are sample-specific MDA/MDC calculated and reported?	Yes		

Prep Logbook

Thorium

Batch ID: **2534026**
Analyst: Chandler Metts (CM4)
Method: DOE EML HASL-300, Th-01-RC Modified
Lab SOP: GL-RAD-A-038 REV# 18
Instrument: BAL-18550299

Due Dates for Lab: 12-DEC-2023 **Package: 13-DEC-2023** **SDG: 14-DEC-2023**

Type	Sample Id	Description	Serial Number	Spike Amount	Spike Units
LCS	1205590031	Thorium-232 AS SPIKE	1513-J	.1	mL

#	Sample ID	Prep Date	Min RDL (pCi/g)	Dry or Wet	Unadjusted Aliquot (g)	Aliquot (g)
1	645402001	04-DEC-2023	1	Dry to Dry	0.116	0.116
2	645402002	04-DEC-2023	1	Dry to Dry	0.115	0.115
3	645863002	04-DEC-2023	1	Dry to Dry	0.122	0.122
4	645981002	04-DEC-2023	1	Dry to Dry	0.11	0.11
5	646261002	04-DEC-2023	1	Dry to Dry	0.119	0.119
6	646494004	04-DEC-2023	1	Dry to Dry	0.115	0.115
7	646494005	04-DEC-2023	1	Dry to Dry	0.117	0.117
8	646494014	04-DEC-2023	1	Dry to Dry	0.118	0.118
9	646494030	04-DEC-2023	1	Dry to Dry	0.117	0.117
10	1205590029 MB	04-DEC-2023	1	Dry to Wet		0.122
11	1205590030 DUP (645402001)	04-DEC-2023	1	Dry to Dry	0.112	0.112
12	1205590031 LCS	04-DEC-2023	1	Dry to Wet		0.122

Reagent/Solvent Lot ID	Description	Amount
WORK 1845-I	Thorium-229 AS TRACER, RASP	.1 mL
REGNT 3976130.3	Acetone	1 mL
REGNT 3976909.2	Hydrogen Peroxide 30% ACS Reagent	3 mL
REGNT 4061107	RASP-2M Hydrochloric Acid	4 mL
REGNT 4044382.1	Anion Exchange Resin 1x8 100-200 Mesh Resin	3 mL
REGNT 4056462	RASP- Ethyl Alcohol (80%)	5 mL
REGNT 3972570	Iron Carrier	2 mL
REGNT 4067119	Neodymium 500 MG/L in 4% HNO3	.1 mL
REGNT 4068852	RASP-Neodymium Substrate	5 mL
REGNT 4059813	5% Saturated Boric Acid	1 mL
REGNT 4068850	8M Nitric Acid	30 mL
REGNT 4068820	9M Hydrochloric Acid	20 mL
REGNT 4059521.1	RASP-Hydrochloric Acid	20 mL
REGNT 4058522.8	RASP-Hydrofluoric Acid	30 mL
REGNT 4066223.8	Nitric Acid	20 mL

Comments:

Pipet ID: RAD-ASP-184002Z
Data Entry Date2: 04-DEC-2023 00:00

GEL Laboratories LLC
ALPHA SPECTROSCOPY REPORT

Instrument SOP: GL-RAD-I-009
Analytical SOP: GL-RAD-A-038

BATCH NUMBER : 2534026	CHAMBER : 025	LIB FILE : TH
SAMPLE ID : S0645402001_TH	DETECTOR S/N : 149007	BKG FILE : B025.CNF;2610
SAMPLE QTY : 0.116 G +/-0.862 %	AVERAGE %EFFICIENCY : 32.0326	BKG DATE : 01-Dec-2023
SAMPLE DATE : 09-Nov-2023 00:00:00	AVERAGE %EFF ERROR : 0.6192	BKG LIVE TIME(SEC) : 59999.99
ANALYST : CM4	COUNT DATE : 07-Dec-2023 15:32:11	EFF FILE : W025.CNF;756
% YIELD : 64.1 +/-7.968 %	ELAPSED LIVE TIME(SEC) : 10799.99	CAL DATE : 02-Dec-2023

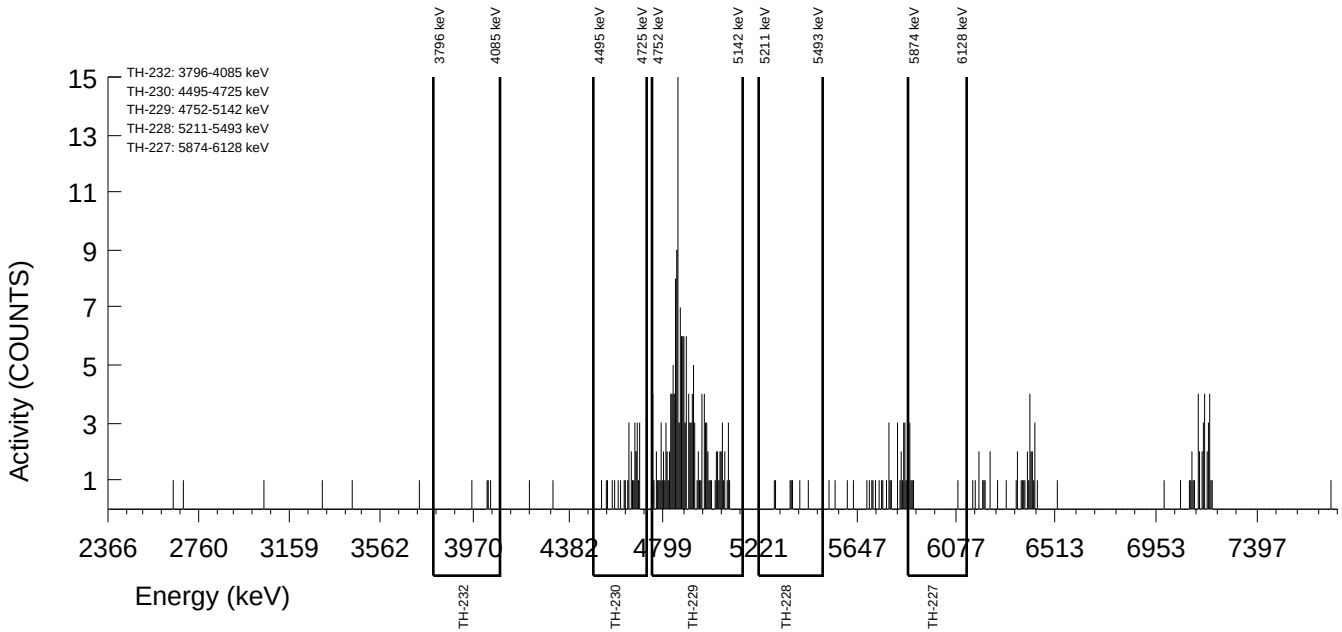
TRACER
ID : 1845-I
NUCLIDE : TH-229
NOMINAL : 4.8066E+00 dpm
RESULTS : 3.0832E+00 dpm

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	LIBRARY ENERGY	PEAK ENERGY	PEAK FWHM	GROSS AREA	NET AREA	BKG AREA	BKG StDev	%ABUN	ACTIVITY pCi/G	1.96-sigma TPU pCi/G	MDA pCi/G	Lc pCi/G	1.96-sigma cnt Unc pCi/G
TH-227	5994.04	5938.98	6.119	8.000	6.560	1.440	1.2000	57.440	3.48E+00	3.22E+00	3.86E+00	1.14E+00	3.17E+00
TH-228	5363.00	5354.05	141.955	7.000	5.553	1.440	1.2000	99.940	6.00E-01	6.18E-01	7.89E-01	2.32E-01	6.10E-01
TH-229	4900.00	4899.06	13.461	178.000	176.920	1.080	1.0392	99.520	1.87E+01	4.09E+00	7.08E-01	1.96E-01	2.77E+00
TH-230	4671.39	4644.55	50.174	29.000	27.395	0.540	0.7348	99.700	2.88E+00	1.23E+00	7.68E-01	2.26E-01	1.13E+00
TH-232	3972.00	4014.71	83.215	4.000	3.389	0.540	0.7348	100.000	3.56E-01	4.70E-01	6.06E-01	1.45E-01	4.66E-01

NOTES:

* Corrections made to the following net areas due to tracer impurity:
TH-228 (0.007 +/-0.000)
TH-230 (1.065 +/-0.017)
TH-232 (0.071 +/-0.001)



GEL Laboratories LLC
ALPHA SPECTROSCOPY REPORT

Instrument SOP: GL-RAD-I-009
Analytical SOP: GL-RAD-A-038

BATCH NUMBER : 2534026	CHAMBER : 038	LIB FILE : TH
SAMPLE ID : S0645981002_TH	DETECTOR S/N : 72532	BKG FILE : B038.CNF;2594
SAMPLE QTY : 0.110 G +/-0.909 %	AVERAGE %EFFICIENCY : 36.6806	BKG DATE : 08-Dec-2023
SAMPLE DATE : 13-Nov-2023 00:00:00	AVERAGE %EFF ERROR : 0.7070	BKG LIVE TIME(SEC) : 60000.00
ANALYST : CM4	COUNT DATE : 09-Dec-2023 15:23:01	EFF FILE : W038.CNF;688
% YIELD : 20.4 +/-5.896 %	ELAPSED LIVE TIME(SEC) : 59999.99	CAL DATE : 02-Dec-2023

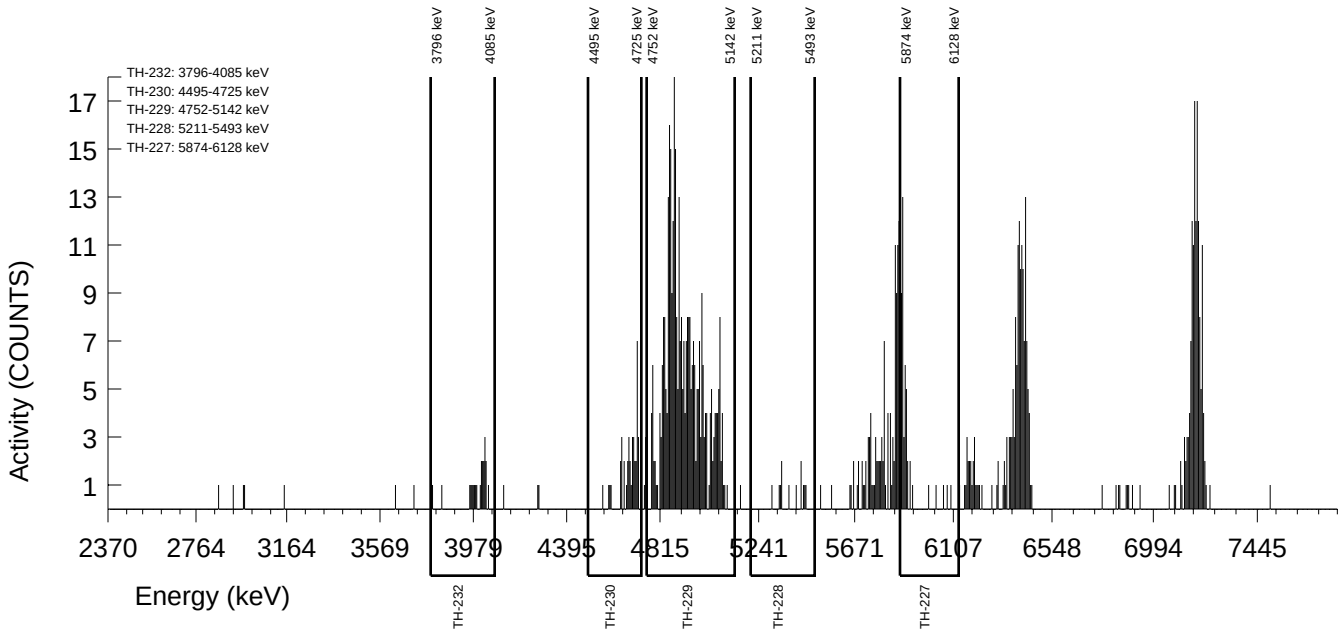
TRACER
ID : 1845-I
NUCLIDE : TH-229
NOMINAL : 4.8066E+00 dpm
RESULTS : 9.8071E-01 dpm

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	LIBRARY ENERGY	PEAK ENERGY	PEAK FWHM	GROSS AREA	NET AREA	BKG AREA	BKG StDev	%ABUN	ACTIVITY pCi/G	1.96-sigma TPU pCi/G	MDA pCi/G	Lc pCi/G	1.96-sigma cnt Unc pCi/G
TH-227	5994.04	5899.03	0.000	60.000	14.000	46.000	6.7823	57.440	3.63E+00	5.30E+00	8.95E+00	4.09E+00	5.28E+00
TH-228	5363.00	5390.71	85.791	12.000	6.987	5.000	2.2361	99.940	3.93E-01	4.83E-01	7.54E-01	2.93E-01	4.80E-01
TH-229	4900.00	4917.97	49.568	361.000	358.000	3.000	1.7321	99.520	1.97E+01	3.18E+00	6.08E-01	2.22E-01	2.06E+00
TH-230	4671.39	4674.70	7.721	41.000	36.846	2.000	1.4142	99.700	2.02E+00	7.68E-01	6.13E-01	2.24E-01	7.22E-01
TH-232	3972.00	3997.98	23.286	22.000	18.856	3.000	1.7321	100.000	1.03E+00	5.72E-01	6.10E-01	2.23E-01	5.57E-01

NOTES:

* Corrections made to the following net areas due to tracer impurity:
TH-228 (0.013 +/-0.000)
TH-230 (2.154 +/-0.033)
TH-232 (0.144 +/-0.002)



GEL Laboratories LLC
ALPHA SPECTROSCOPY REPORT

Instrument SOP: GL-RAD-I-009
Analytical SOP: GL-RAD-A-038

BATCH NUMBER : 2534026	CHAMBER : 034	LIB FILE : TH
SAMPLE ID : S1205590029_TH	DETECTOR S/N : 88994	BKG FILE : B034.CNF;2602
SAMPLE QTY : 0.122 G +/-0.820 %	AVERAGE %EFFICIENCY : 35.1374	BKG DATE : 01-Dec-2023
SAMPLE DATE : 04-Dec-2023 00:00:00	AVERAGE %EFF ERROR : 0.6778	BKG LIVE TIME(SEC) : 59999.99
ANALYST : CM4	COUNT DATE : 07-Dec-2023 15:32:12	EFF FILE : W034.CNF;689
% YIELD : 102 +/-6.222 %	ELAPSED LIVE TIME(SEC) : 10800.00	CAL DATE : 02-Dec-2023

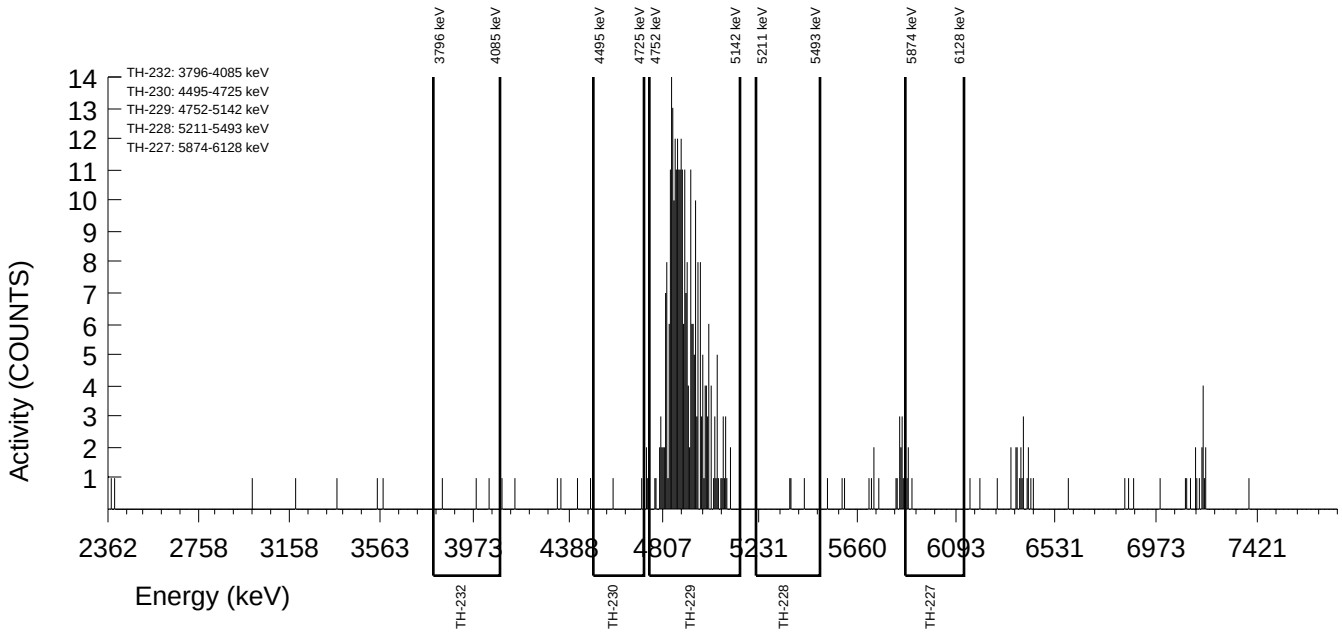
TRACER
ID : 1845-I
NUCLIDE : TH-229
NOMINAL : 4.8066E+00 dpm
RESULTS : 4.9238E+00 dpm

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	LIBRARY ENERGY	PEAK ENERGY	PEAK FWHM	GROSS AREA	NET AREA	BKG AREA	BKG StDev	%ABUN	ACTIVITY pCi/G	1.96-sigma TPU pCi/G	MDA pCi/G	Lc pCi/G	1.96-sigma cnt Unc pCi/G
TH-227	5994.04	5889.17	7.379	4.000	0.040	3.960	1.9900	57.440	4.55E-03	5.35E-01	1.15E+00	4.05E-01	5.35E-01
TH-228	5363.00	5387.63	63.947	3.000	1.368	1.620	1.2728	99.940	7.83E-02	2.33E-01	4.33E-01	1.31E-01	2.33E-01
TH-229	4900.00	4906.51	143.636	311.000	309.920	1.080	1.0392	99.520	1.77E+01	3.02E+00	3.84E-01	1.06E-01	1.98E+00
TH-230	4671.39	4649.36	122.976	2.000	-0.405	0.540	0.7348	99.700	-2.31E-02	1.98E-01	4.69E-01	1.49E-01	1.98E-01
TH-232	3972.00	3952.70	201.680	3.000	2.515	0.360	0.6000	100.000	1.43E-01	2.27E-01	3.10E-01	6.95E-02	2.26E-01

NOTES:

* Corrections made to the following net areas due to tracer impurity:
TH-228 (0.012 +/-0.000)
TH-230 (1.865 +/-0.029)
TH-232 (0.125 +/-0.002)



GEL Laboratories LLC
ALPHA SPECTROSCOPY REPORT

Instrument SOP: GL-RAD-I-009
Analytical SOP: GL-RAD-A-038

BATCH NUMBER : 2534026	CHAMBER : 035	LIB FILE : TH
SAMPLE ID : S1205590030_TH	DETECTOR S/N : 79182	BKG FILE : B035.CNF;2590
SAMPLE QTY : 0.112 G +/-0.893 %	AVERAGE %EFFICIENCY : 29.1995	BKG DATE : 01-Dec-2023
SAMPLE DATE : 09-Nov-2023 00:00:00	AVERAGE %EFF ERROR : 0.5658	BKG LIVE TIME(SEC) : 59999.99
ANALYST : CM4	COUNT DATE : 07-Dec-2023 15:32:12	EFF FILE : W035.CNF;741
% YIELD : 57.5 +/-8.785 %	ELAPSED LIVE TIME(SEC) : 10800.00	CAL DATE : 02-Dec-2023

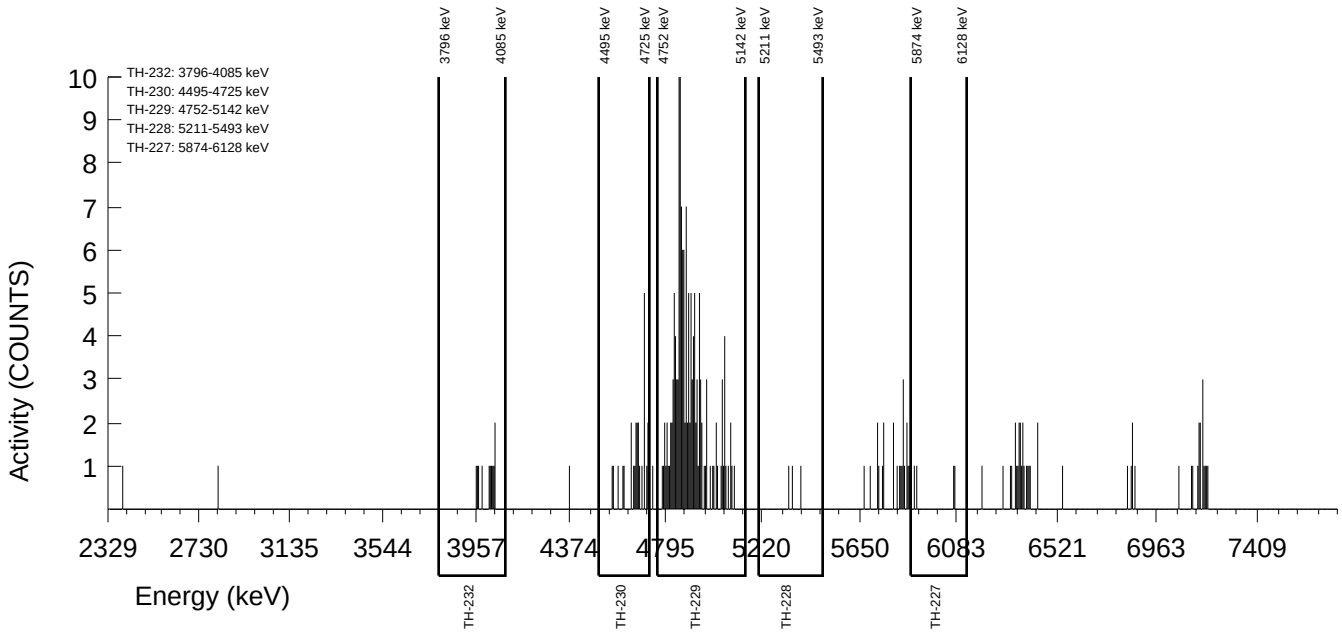
TRACER
ID : 1845-I
NUCLIDE : TH-229
NOMINAL : 4.8066E+00 dpm
RESULTS : 2.7656E+00 dpm

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	LIBRARY ENERGY	PEAK ENERGY	PEAK FWHM	GROSS AREA	NET AREA	BKG AREA	BKG StDev	%ABUN	ACTIVITY pCi/G	1.96-sigma TPU pCi/G	MDA pCi/G	Lc pCi/G	1.96-sigma cnt Unc pCi/G
TH-227	5994.04	5947.41	0.000	6.000	1.140	4.860	2.2045	57.440	7.65E-01	3.70E+00	7.30E+00	2.64E+00	3.70E+00
TH-228	5363.00	5361.27	54.806	3.000	2.095	0.900	0.9487	99.940	2.87E-01	5.52E-01	8.76E-01	2.33E-01	5.50E-01
TH-229	4900.00	4901.89	35.446	147.000	144.660	2.340	1.5297	99.520	1.93E+01	4.68E+00	1.13E+00	3.65E-01	3.19E+00
TH-230	4671.39	4667.68	23.251	28.000	26.590	0.540	0.7348	99.700	3.55E+00	1.55E+00	9.39E-01	2.69E-01	1.41E+00
TH-232	3972.00	4006.26	7.474	11.000	10.762	0.180	0.4243	100.000	1.43E+00	9.41E-01	6.27E-01	1.14E-01	9.05E-01

NOTES:

* Corrections made to the following net areas due to tracer impurity:
TH-228 (0.005 +/-0.000)
TH-230 (0.870 +/-0.013)
TH-232 (0.058 +/-0.001)



GEL Laboratories LLC
ALPHA SPECTROSCOPY REPORT

Instrument SOP: GL-RAD-I-009
Analytical SOP: GL-RAD-A-038

BATCH NUMBER : 2534026	CHAMBER : 036	LIB FILE : TH
SAMPLE ID : S1205590031_TH	DETECTOR S/N : 101511	BKG FILE : B036.CNF;2598
SAMPLE QTY : 0.122 G +/-0.820 %	AVERAGE %EFFICIENCY : 35.0530	BKG DATE : 01-Dec-2023
SAMPLE DATE : 04-Dec-2023 00:00:00	AVERAGE %EFF ERROR : 0.6762	BKG LIVE TIME(SEC) : 59999.99
ANALYST : CM4	COUNT DATE : 07-Dec-2023 15:32:12	EFF FILE : W036.CNF;697
% YIELD : 92.6 +/-6.506 %	ELAPSED LIVE TIME(SEC) : 10800.00	CAL DATE : 06-Dec-2023

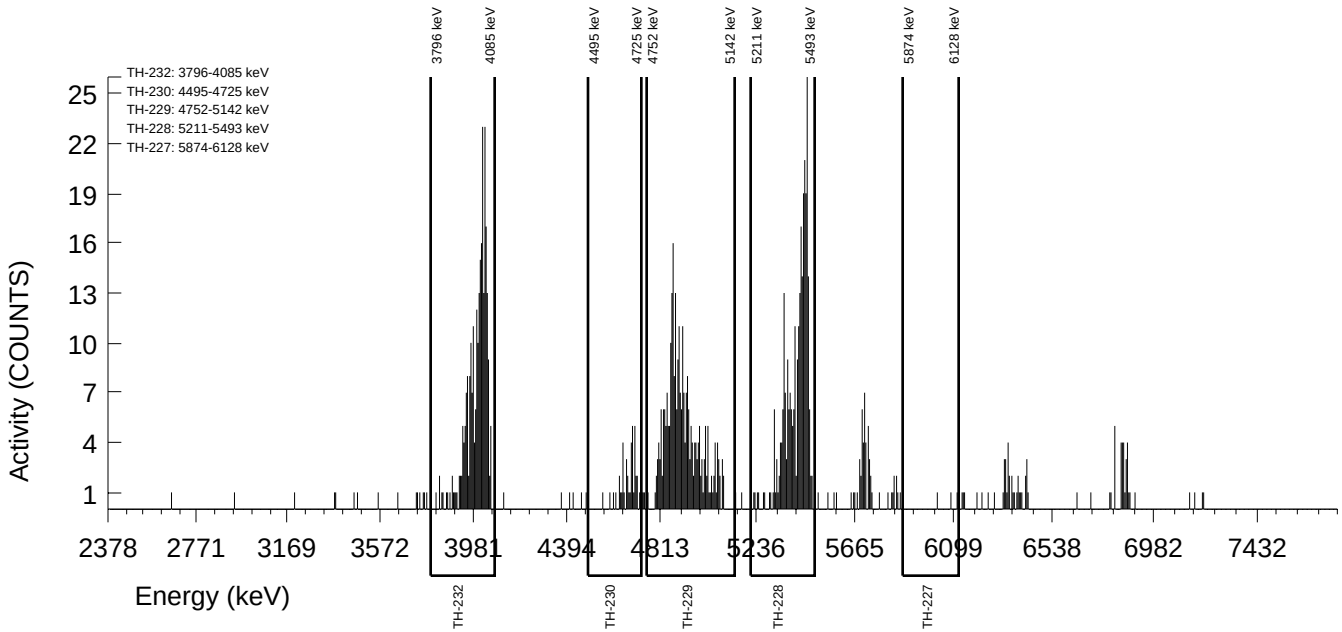
TRACER		LCS	
ID	: 1845-I	ID	1513-J
NUCLIDE	: TH-229	NUCLIDE	TH-232
NOMINAL	: 4.8066E+00 dpm	NOMINAL (pCi/G)	1.6287E+01
RESULTS	: 4.4521E+00 dpm	% RECOVERY	104.230

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	LIBRARY ENERGY	PEAK ENERGY	PEAK FWHM	GROSS AREA	NET AREA	BKG AREA	BKG StDev	%ABUN	ACTIVITY pCi/G	1.96-sigma TPU pCi/G	MDA pCi/G	Lc pCi/G	1.96-sigma cnt Unc pCi/G
TH-227	5994.04	6088.23	87.836	4.000	-0.140	4.140	2.0347	57.440	-1.77E-02	5.95E-01	1.30E+00	4.59E-01	5.95E-01
TH-228	5363.00	5408.65	34.768	284.000	283.270	0.720	0.8485	99.940	1.80E+01	3.20E+00	3.84E-01	9.68E-02	2.10E+00
TH-229	4900.00	4909.33	54.409	281.000	279.560	1.440	1.2000	99.520	1.77E+01	3.17E+00	4.63E-01	1.36E-01	2.09E+00
TH-230	4671.39	4669.06	55.304	42.000	39.958	0.360	0.6000	99.700	2.53E+00	8.89E-01	4.93E-01	1.51E-01	8.15E-01
TH-232	3972.00	4001.02	46.154	269.000	268.708	0.180	0.4243	100.000	1.70E+01	3.05E+00	3.08E-01	5.92E-02	2.03E+00

NOTES:

* Corrections made to the following net areas due to tracer impurity:
TH-228 (0.010 +/-0.000)
TH-230 (1.682 +/-0.026)
TH-232 (0.112 +/-0.002)



Continuing Calibration Data

Review of Alpha Spectrometer QA results (Daily checks) 7-DEC-2023 13:49:36.41

Bank 1 through bank 29 (detectors 1 through 256)

DETECTORS NOT LISTED HAVE PASSED ALL QUALITY ASSURANCE PARAMETERS

	Detector	Parameter	Flag
7-DEC-2023	23	PSFWHM-5000	Above
7-DEC-2023	23	PSCTSS-5000	Below
7-DEC-2023	73	PSENERGY-5000	Below
7-DEC-2023	73	PSCTSS-5000	Below
7-DEC-2023	94	PSFWHM-5000	Below
7-DEC-2023	94	PSCTSS-5000	Below
28-AUG-2023	115	PSCTSS-5000	Below
28-AUG-2023	116	PSCTSS-5000	Below
7-DEC-2023	124	PSENERGY-5000	Below
7-DEC-2023	171	PSFWHM-5000	Below
7-DEC-2023	171	PSCTSS-5000	Below
7-DEC-2023	175	PSFWHM-5000	Below
7-DEC-2023	175	PSCTSS-5000	Below
28-NOV-2020	198	PSFWHM-5000	Below
28-NOV-2020	198	PSCTSS-5000	Below
8-SEP-2023	221	PSFWHM-5000	Above
8-SEP-2023	221	PSCTSS-5000	Below
8-SEP-2023	222	PSENERGY-5000	Above
8-SEP-2023	222	PSCTSS-5000	Below
7-DEC-2023	227	PSFWHM-5000	Below
7-DEC-2023	227	PSCTSS-5000	Below

The following detectors that may not have properly transfered to the QA file

115 may not have run since 7-DEC-2023
116 may not have run since 7-DEC-2023
119 may not have run since 7-DEC-2023
120 may not have run since 7-DEC-2023
183 may not have run since 7-DEC-2023
184 may not have run since 7-DEC-2023
198 may not have run since 7-DEC-2023
209 may not have run since 7-DEC-2023
210 may not have run since 7-DEC-2023
211 may not have run since 7-DEC-2023
212 may not have run since 7-DEC-2023
221 may not have run since 7-DEC-2023

222	may not have run since 7-DEC-2023
223	may not have run since 7-DEC-2023
224	may not have run since 7-DEC-2023
237	may not have run since 7-DEC-2023
238	may not have run since 7-DEC-2023
241	may not have run since 7-DEC-2023
242	may not have run since 7-DEC-2023
247	may not have run since 7-DEC-2023
248	may not have run since 7-DEC-2023

APPROVAL DATE: 12/7/23 APPROVAL TIME: 1353

APPROVED BY: [signature] PROCEDURE # GL-RAD-I-009

Report completed at 7-DEC-2023 13:52:41.97

Review of Alpha Spectrometer QA results (Daily checks) 8-DEC-2023 12:32:35.56

Bank 1 through bank 29 (detectors 1 through 256)

DETECTORS NOT LISTED HAVE PASSED ALL QUALITY ASSURANCE PARAMETERS

	Detector	Parameter	Flag
8-DEC-2023	23	PSFWHM-5000	Below
8-DEC-2023	23	PSCTSS-5000	Below
8-DEC-2023	73	PSENERGY-5000	Below
8-DEC-2023	73	PSCTSS-5000	Below
8-DEC-2023	94	PSFWHM-5000	Below
8-DEC-2023	94	PSCTSS-5000	Below
8-DEC-2023	114	PSENERGY-5000	Below
28-AUG-2023	115	PSCTSS-5000	Below
28-AUG-2023	116	PSCTSS-5000	Below
8-DEC-2023	124	PSENERGY-5000	Below
8-DEC-2023	175	PSFWHM-5000	Below
8-DEC-2023	175	PSCTSS-5000	Below
8-DEC-2023	187	PSCTSS-5000	Below
8-DEC-2023	188	PSCTSS-5000	Below
28-NOV-2020	198	PSFWHM-5000	Below
28-NOV-2020	198	PSCTSS-5000	Below
8-SEP-2023	221	PSFWHM-5000	Above
8-SEP-2023	221	PSCTSS-5000	Below
8-SEP-2023	222	PSENERGY-5000	Above
8-SEP-2023	222	PSCTSS-5000	Below
8-DEC-2023	227	PSFWHM-5000	Below
8-DEC-2023	227	PSCTSS-5000	Below

The following detectors that may not have properly transfered to the QA file

115 may not have run since 8-DEC-2023
116 may not have run since 8-DEC-2023
119 may not have run since 8-DEC-2023
120 may not have run since 8-DEC-2023
183 may not have run since 8-DEC-2023
184 may not have run since 8-DEC-2023
198 may not have run since 8-DEC-2023
209 may not have run since 8-DEC-2023
210 may not have run since 8-DEC-2023

211	may not have run since 8-DEC-2023
212	may not have run since 8-DEC-2023
221	may not have run since 8-DEC-2023
222	may not have run since 8-DEC-2023
223	may not have run since 8-DEC-2023
224	may not have run since 8-DEC-2023
237	may not have run since 8-DEC-2023
238	may not have run since 8-DEC-2023
241	may not have run since 8-DEC-2023
242	may not have run since 8-DEC-2023
247	may not have run since 8-DEC-2023
248	may not have run since 8-DEC-2023

APPROVAL DATE: 12/8/23 APPROVAL TIME: 1242

APPROVED BY: PROCEDURE # GL-RAD-I-009

Report completed at 8-DEC-2023 12:35:54.47

Review of Alpha Spectrometer QA results (Daily checks) 9-DEC-2023 23:00:00.81

Bank 1 through bank 29 (detectors 1 through 256)

DETECTORS NOT LISTED HAVE PASSED ALL QUALITY ASSURANCE PARAMETERS

	Detector	Parameter	Flag
9-DEC-2023	23	PSFWHM-5000	Below
9-DEC-2023	23	PSCTSS-5000	Below
9-DEC-2023	73	PSENERGY-5000	Below
9-DEC-2023	73	PSCTSS-5000	Below
9-DEC-2023	94	PSFWHM-5000	Below
9-DEC-2023	94	PSCTSS-5000	Below
28-AUG-2023	115	PSCTSS-5000	Below
28-AUG-2023	116	PSCTSS-5000	Below
9-DEC-2023	124	PSENERGY-5000	Below
9-DEC-2023	173	PSCTSS-5000	Below
9-DEC-2023	175	PSCTSS-5000	Below
9-DEC-2023	193	PSCTSS-5000	Below
28-NOV-2020	198	PSFWHM-5000	Below
28-NOV-2020	198	PSCTSS-5000	Below
9-DEC-2023	216	PSENERGY-5000	Above
8-SEP-2023	221	PSFWHM-5000	Above
8-SEP-2023	221	PSCTSS-5000	Below
8-SEP-2023	222	PSENERGY-5000	Above
8-SEP-2023	222	PSCTSS-5000	Below
9-DEC-2023	227	PSFWHM-5000	Below
9-DEC-2023	227	PSCTSS-5000	Below

The following detectors that may not have properly transfered to the QA file

115 may not have run since 9-DEC-2023
116 may not have run since 9-DEC-2023
119 may not have run since 9-DEC-2023
120 may not have run since 9-DEC-2023
121 may not have run since 9-DEC-2023
122 may not have run since 9-DEC-2023
183 may not have run since 9-DEC-2023
184 may not have run since 9-DEC-2023
198 may not have run since 9-DEC-2023
211 may not have run since 9-DEC-2023

212 may not have run since 9-DEC-2023
221 may not have run since 9-DEC-2023
222 may not have run since 9-DEC-2023
223 may not have run since 9-DEC-2023
224 may not have run since 9-DEC-2023
241 may not have run since 9-DEC-2023
242 may not have run since 9-DEC-2023
247 may not have run since 9-DEC-2023
248 may not have run since 9-DEC-2023

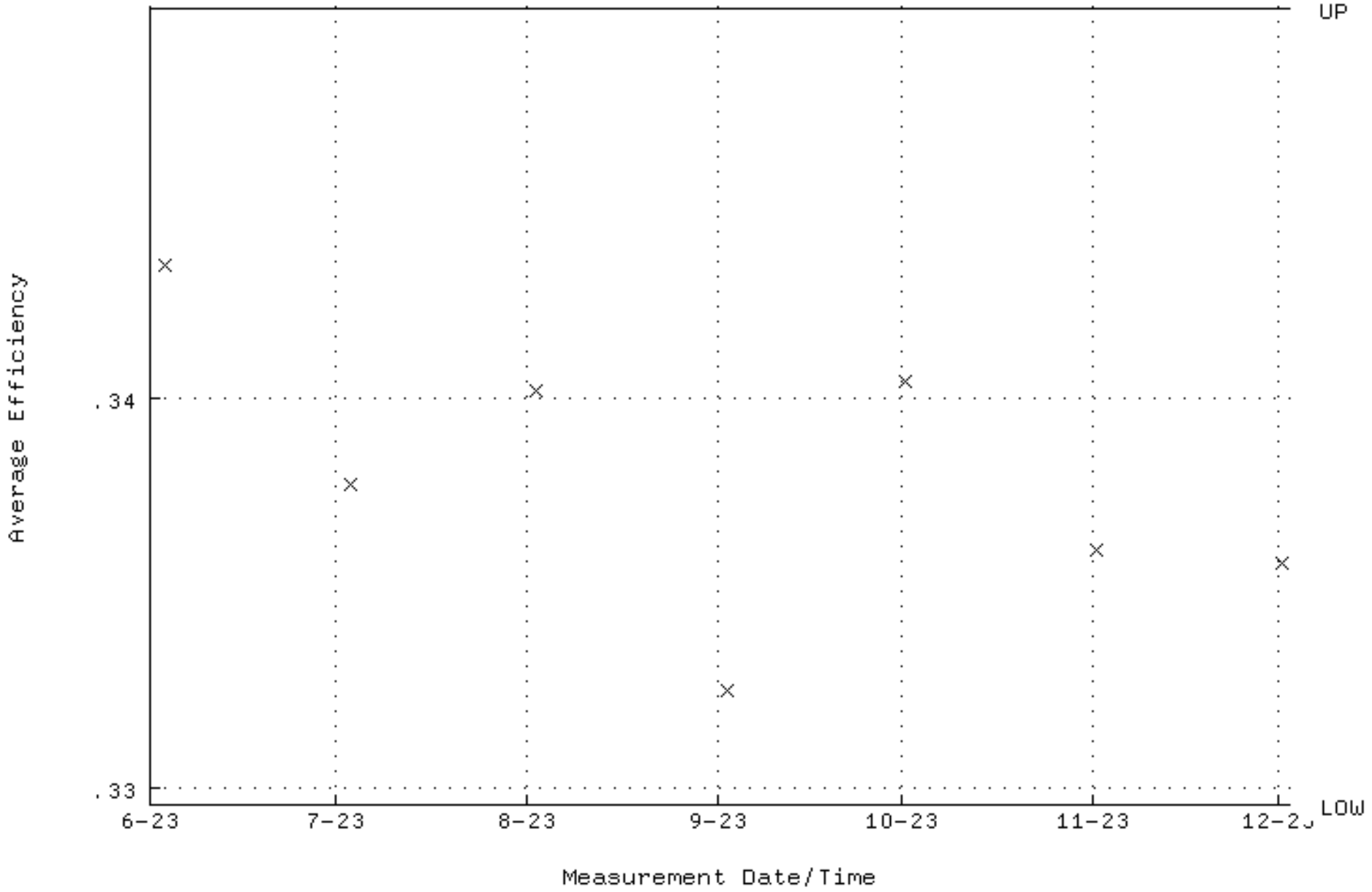
APPROVAL DATE: 12/9/23 APPROVAL TIME: 23:10

APPROVED BY:  PROCEDURE # GL-RAD-I-009

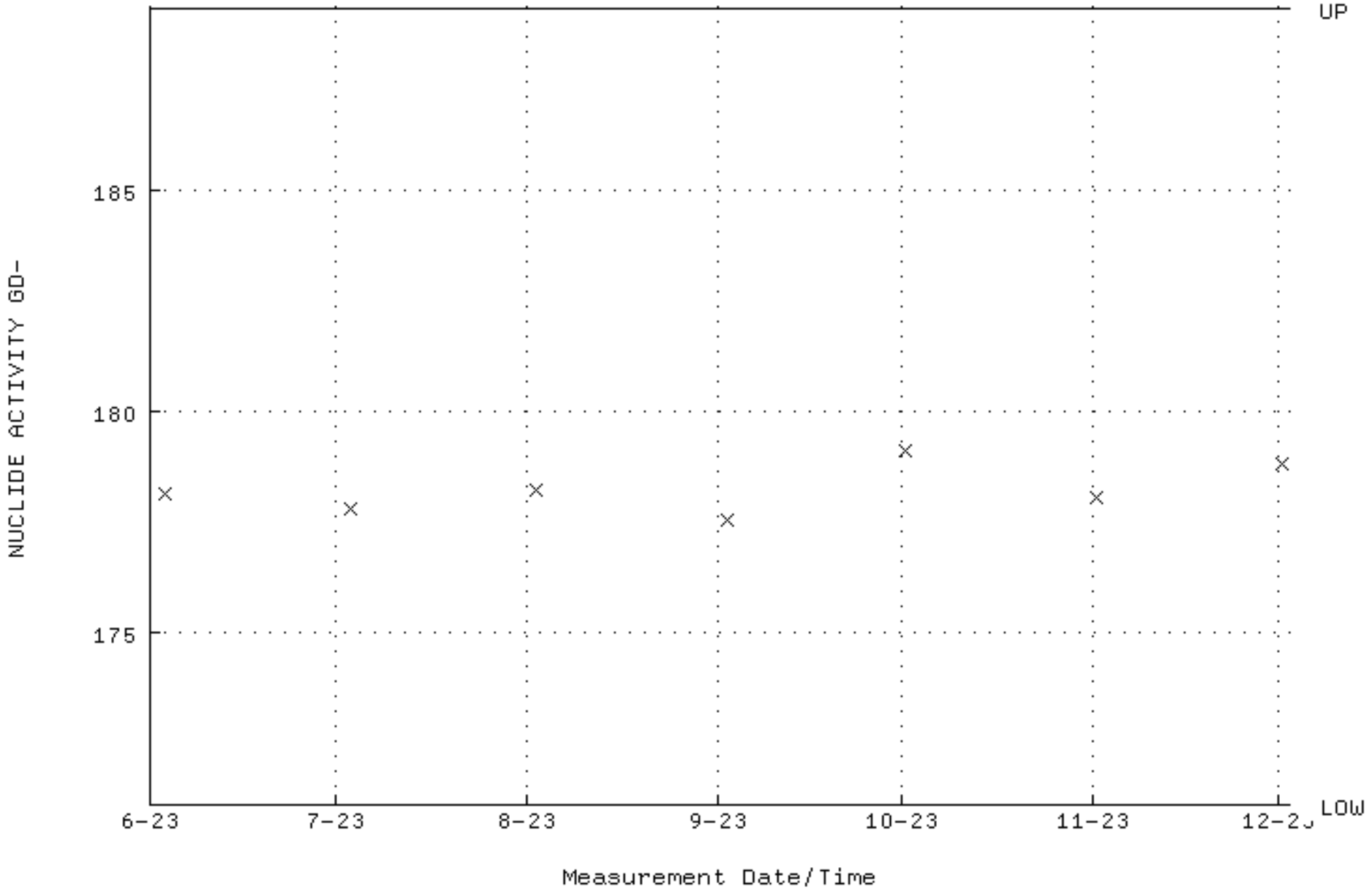
Report completed at 9-DEC-2023 23:02:39.26

Background and Efficiency Data

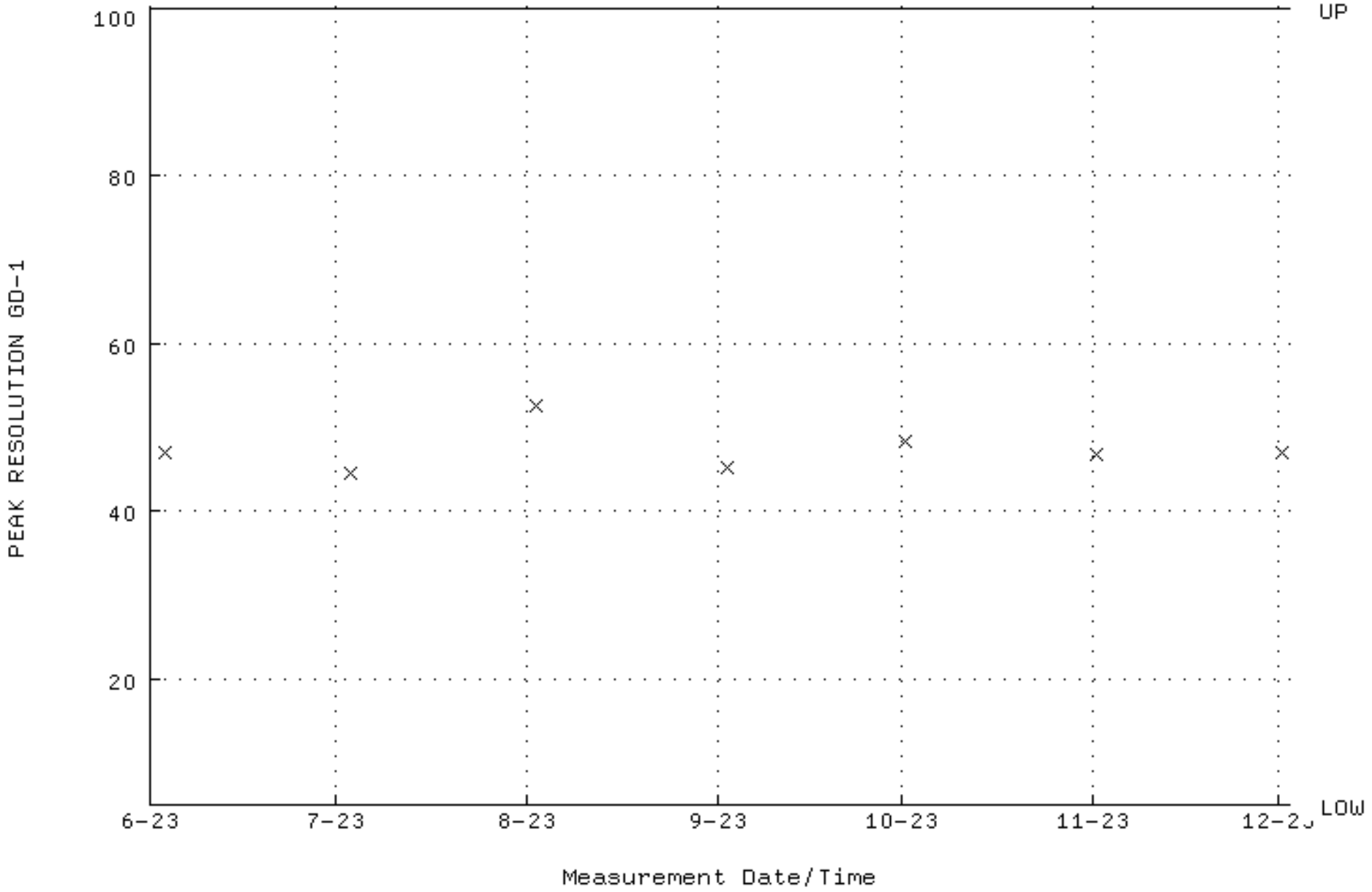
QA filename : DKA100:[ENV_ALPHA.QA.W]W014.QAF;8
Parameter Name : AVRGEFF (Average Efficiency)
Start/End Dates : 3-JUN-2023 11:26:25 through 2-DEC-2023 12:00:00
Lower/Upper Lmts: 0.329580 through 0.349960



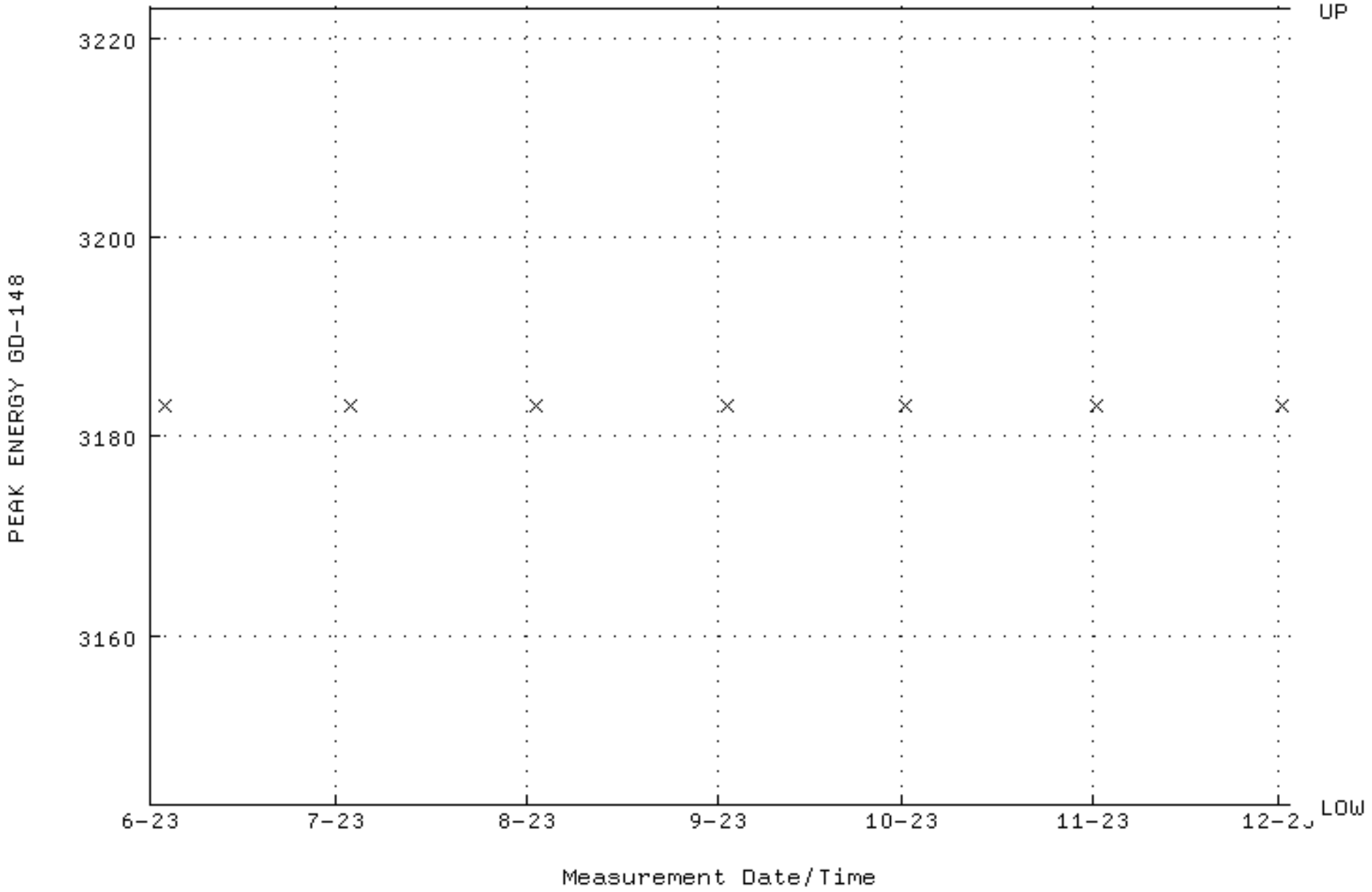
QA filename : DKA100:[ENV_ALPHA.QA.W]W014.QAF;8
Parameter Name : NLACTVTY-GD148 (NUCLIDE ACTIVITY GD-148)
Start/End Dates : 3-JUN-2023 11:26:25 through 2-DEC-2023 12:00:00
Lower/Upper Lmts: 171.090 through 189.100

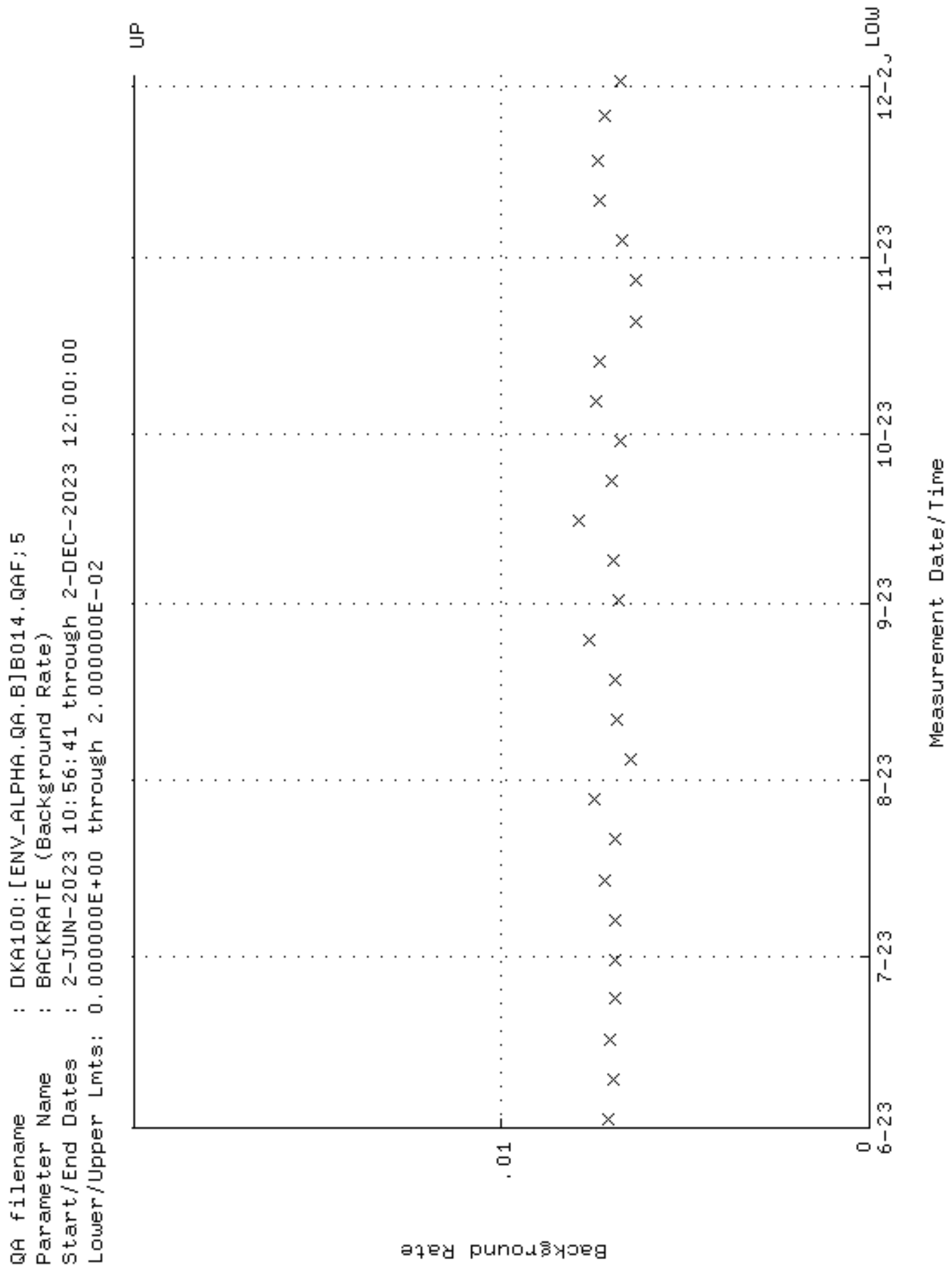


QA filename : DKA100:[ENV_ALPHA.QA.W]W014.QAF;8
Parameter Name : PSFWHM-GD148 (PEAK RESOLUTION GD-148)
Start/End Dates : 3-JUN-2023 11:26:25 through 2-DEC-2023 12:00:00
Lower/Upper Lmts: 5.00000 through 100.000

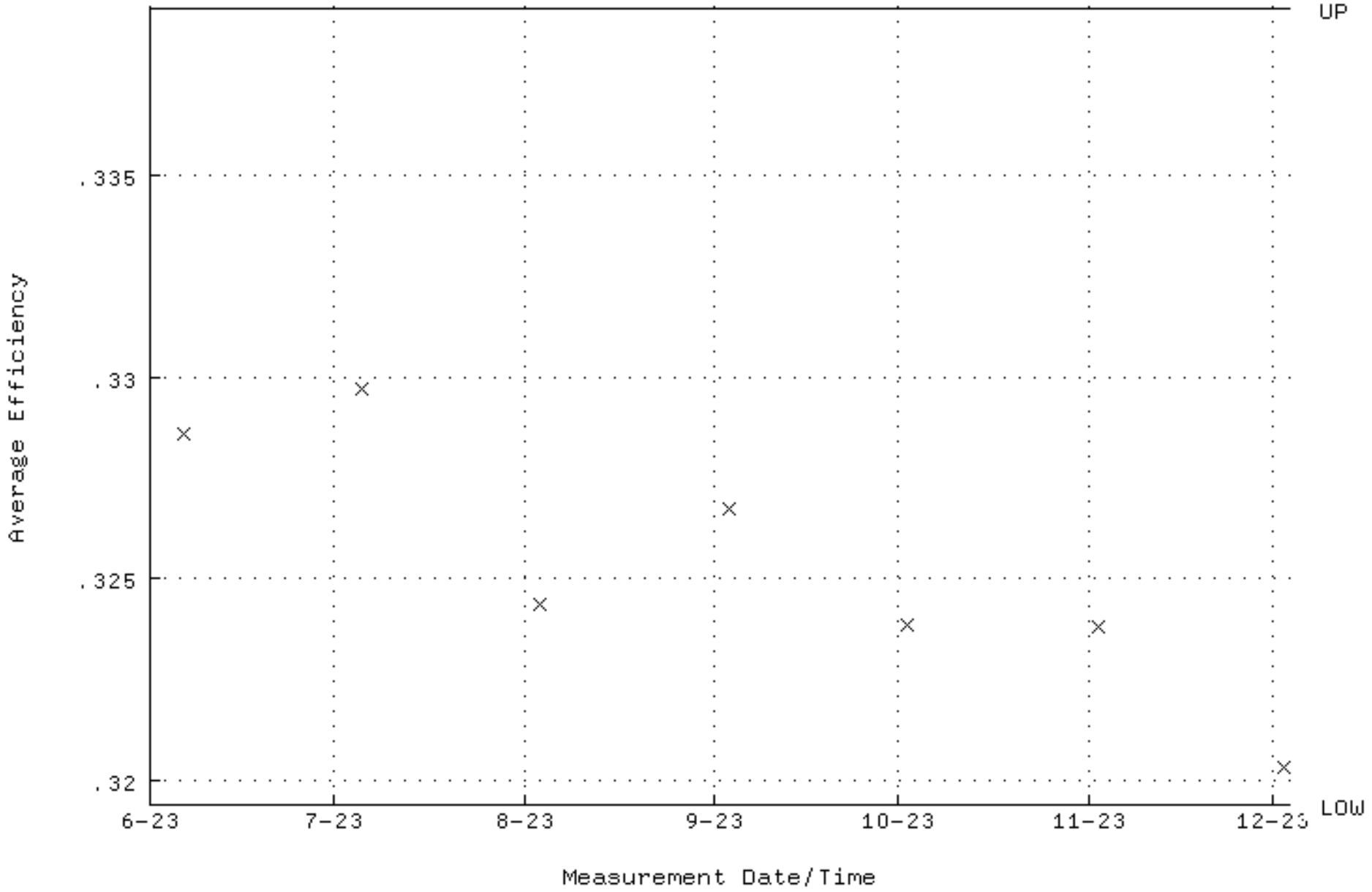


QA filename : DKA100:[ENV_ALPHA.QA.W]W014.QAF;8
Parameter Name : PSENERGY-GD148 (PEAK ENERGY GD-148)
Start/End Dates : 3-JUN-2023 11:26:25 through 2-DEC-2023 12:00:00
Lower/Upper Lmts: 3143.00 through 3223.00

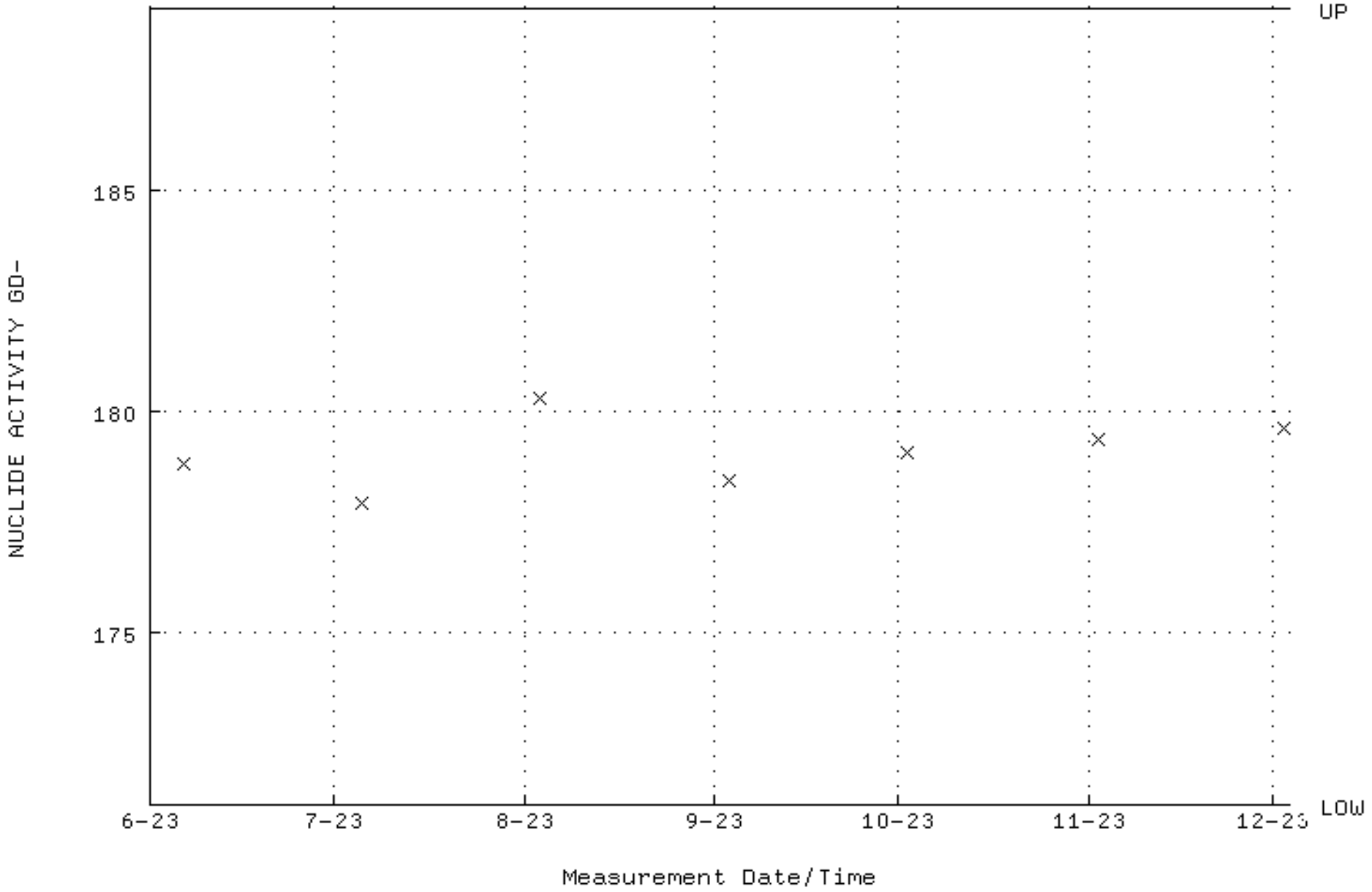



QA filename : DKA100:[ENV_ALPHA.QA.B]B014.QAF;5
Parameter Name : BACKRATE (Background Rate)
Start/End Dates : 2-JUN-2023 10:56:41 through 2-DEC-2023 12:00:00
Lower/Upper Lmts: 0.0000000E+00 through 2.0000000E-02
UP
LOW
Background Rate
.01
0
6-23
7-23
8-23
9-23
10-23
11-23
12-23
Measurement Date/Time

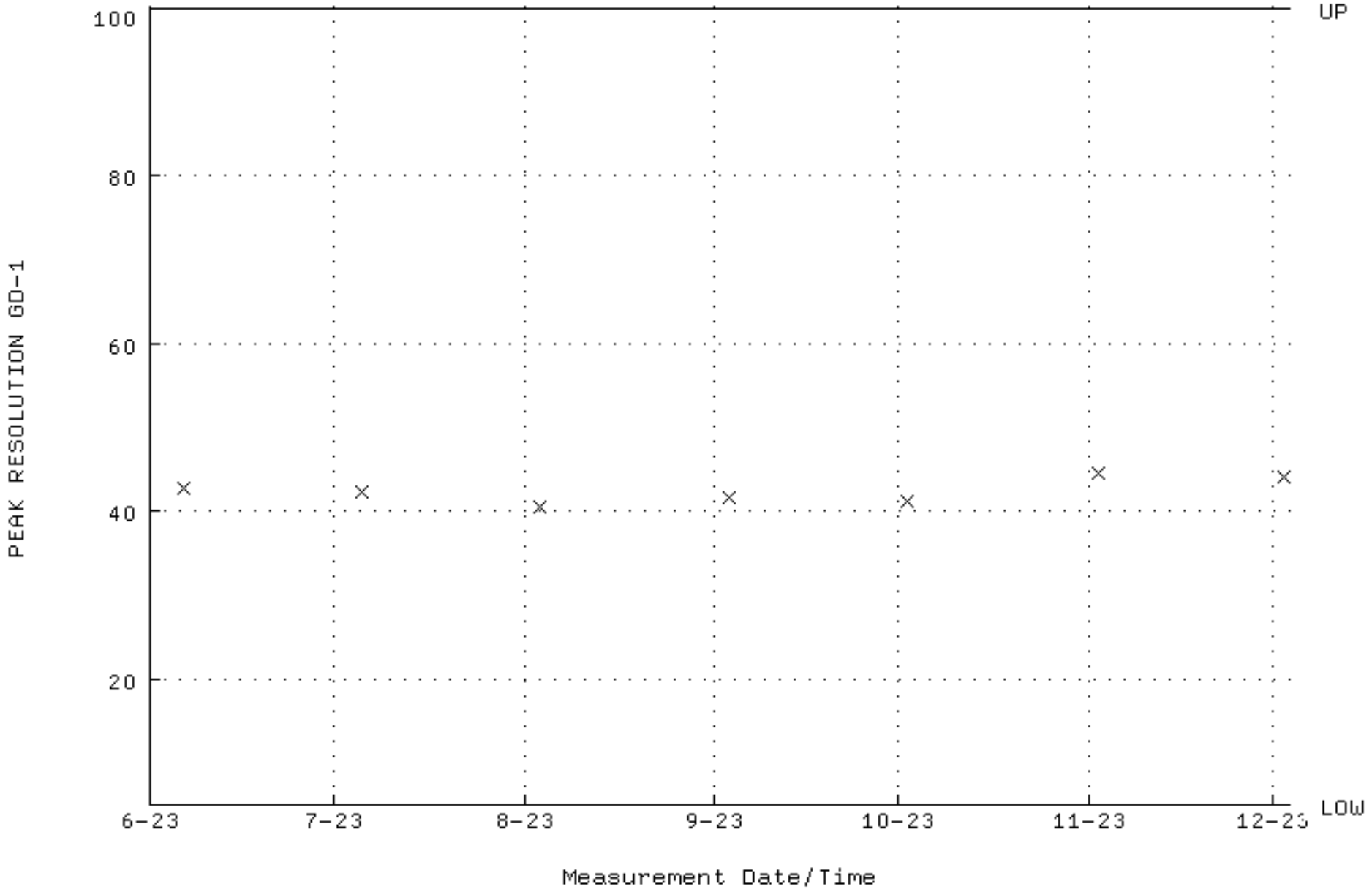
QA filename : DKA100:[ENV_ALPHA.QA.W]W025.QAF;8
Parameter Name : AVRGEFF (Average Efficiency)
Start/End Dates : 6-JUN-2023 08:34:19 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 0.319390 through 0.339140



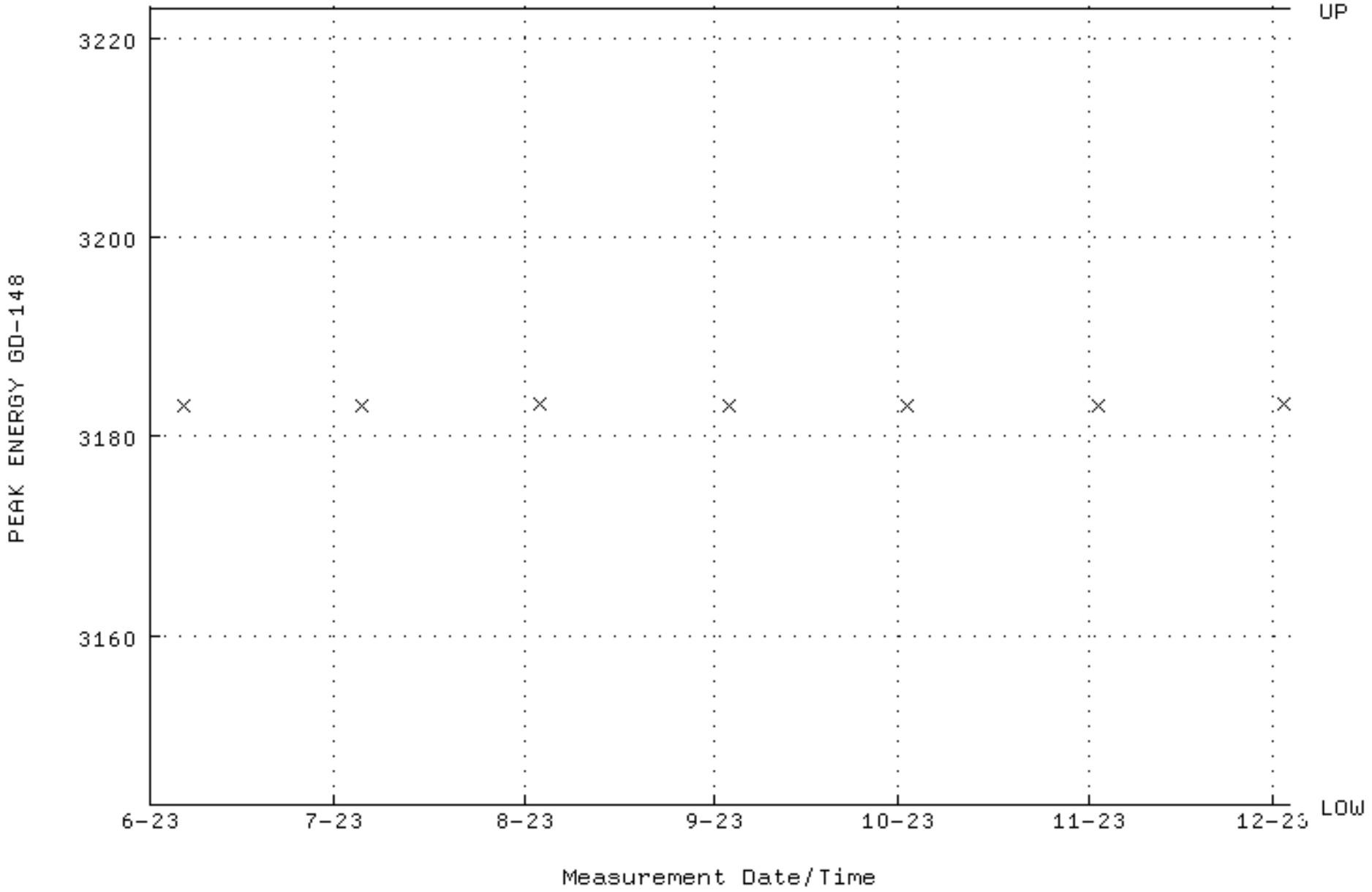
QA filename : DKA100:[ENV_ALPHA.QA.W]W025.QAF;8
Parameter Name : NLACTVTY-GD148 (NUCLIDE ACTIVITY GD-148)
Start/End Dates : 6-JUN-2023 08:34:19 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 171.090 through 189.100



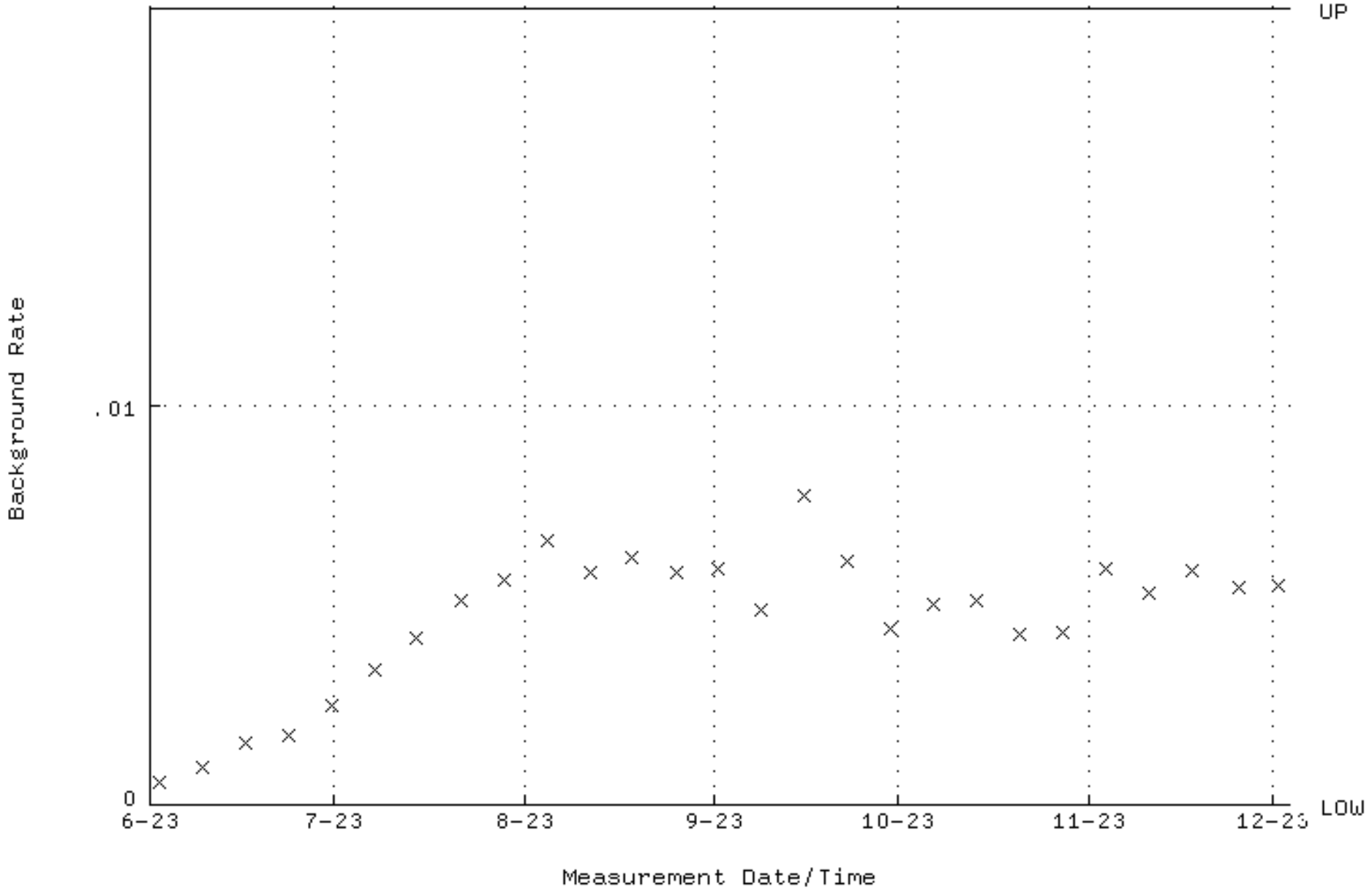
QA filename : DKA100:[ENV_ALPHA.QA.W]W025.QAF;8
Parameter Name : PSFWHM-GD148 (PEAK RESOLUTION GD-148)
Start/End Dates : 6-JUN-2023 08:34:19 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 5.00000 through 100.000



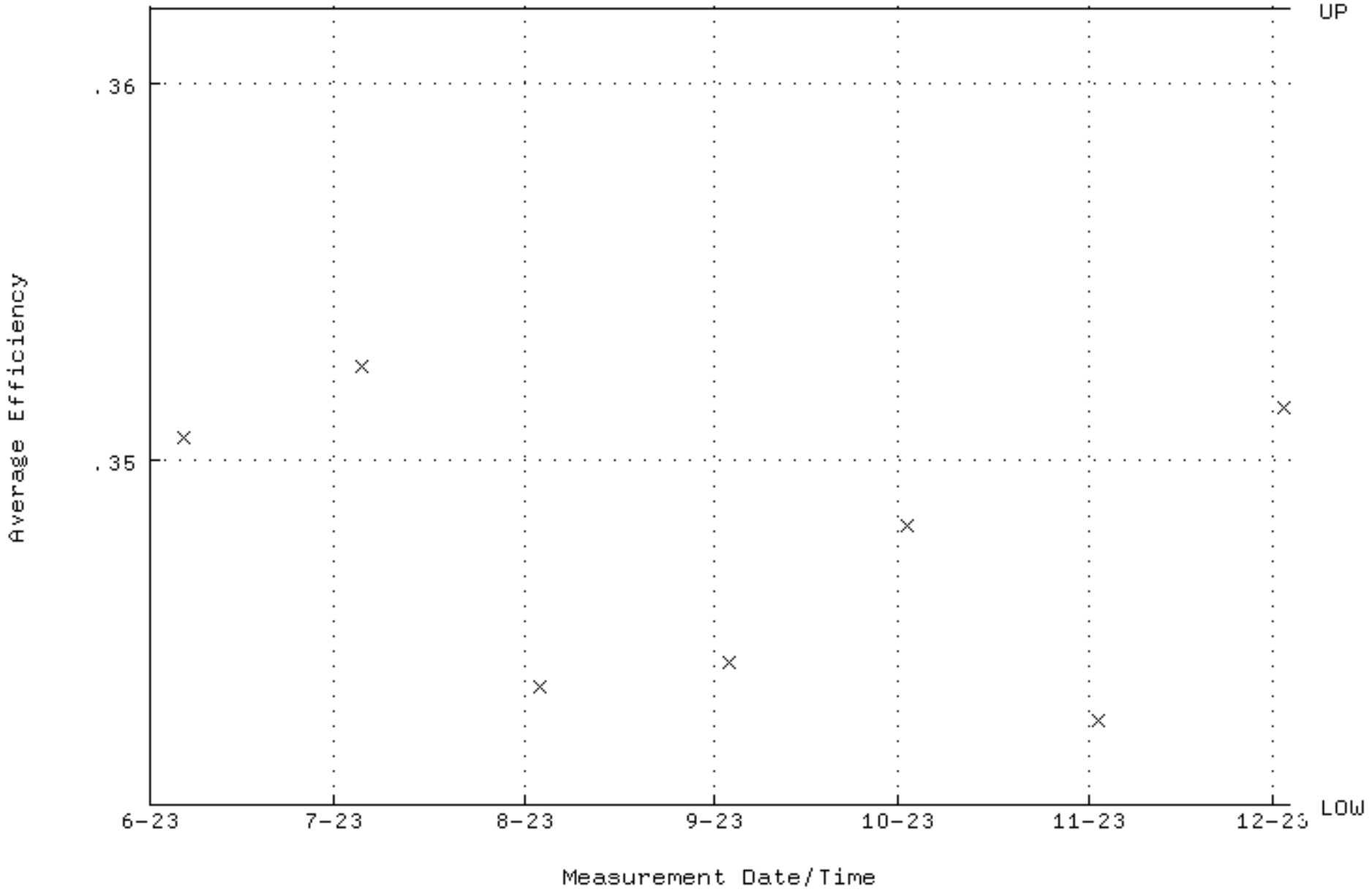
QA filename : DKA100:[ENV_ALPHA.QA.W]W025.QAF;8
Parameter Name : PSENERGY-GD148 (PEAK ENERGY GD-148)
Start/End Dates : 6-JUN-2023 08:34:19 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 3143.00 through 3223.00



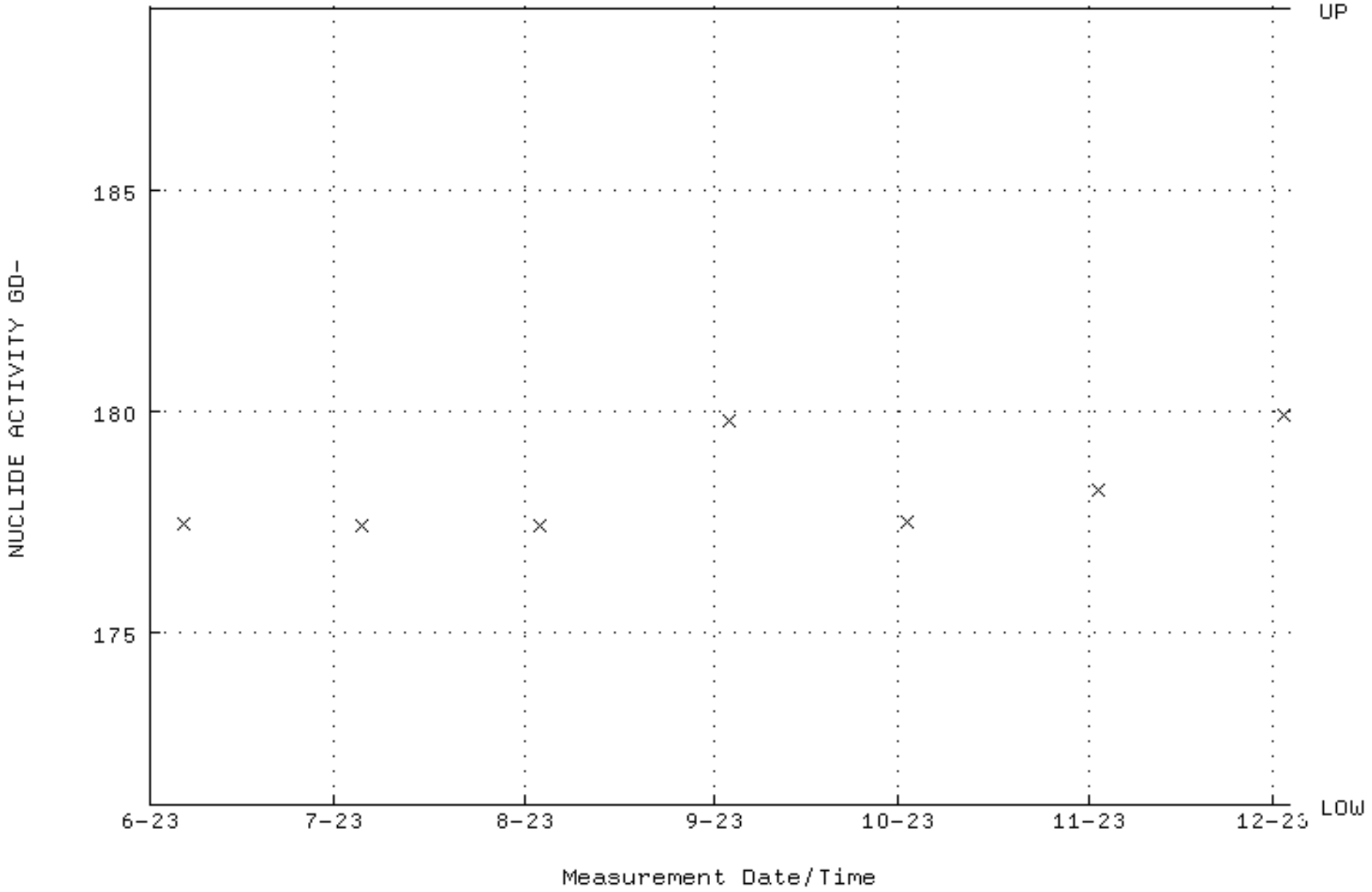
QA filename : DKA100:[ENV_ALPHA.QA.B]B025.QAF;5
Parameter Name : BACKRATE (Background Rate)
Start/End Dates : 2-JUN-2023 12:35:55 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 0.000000E+00 through 2.000000E-02



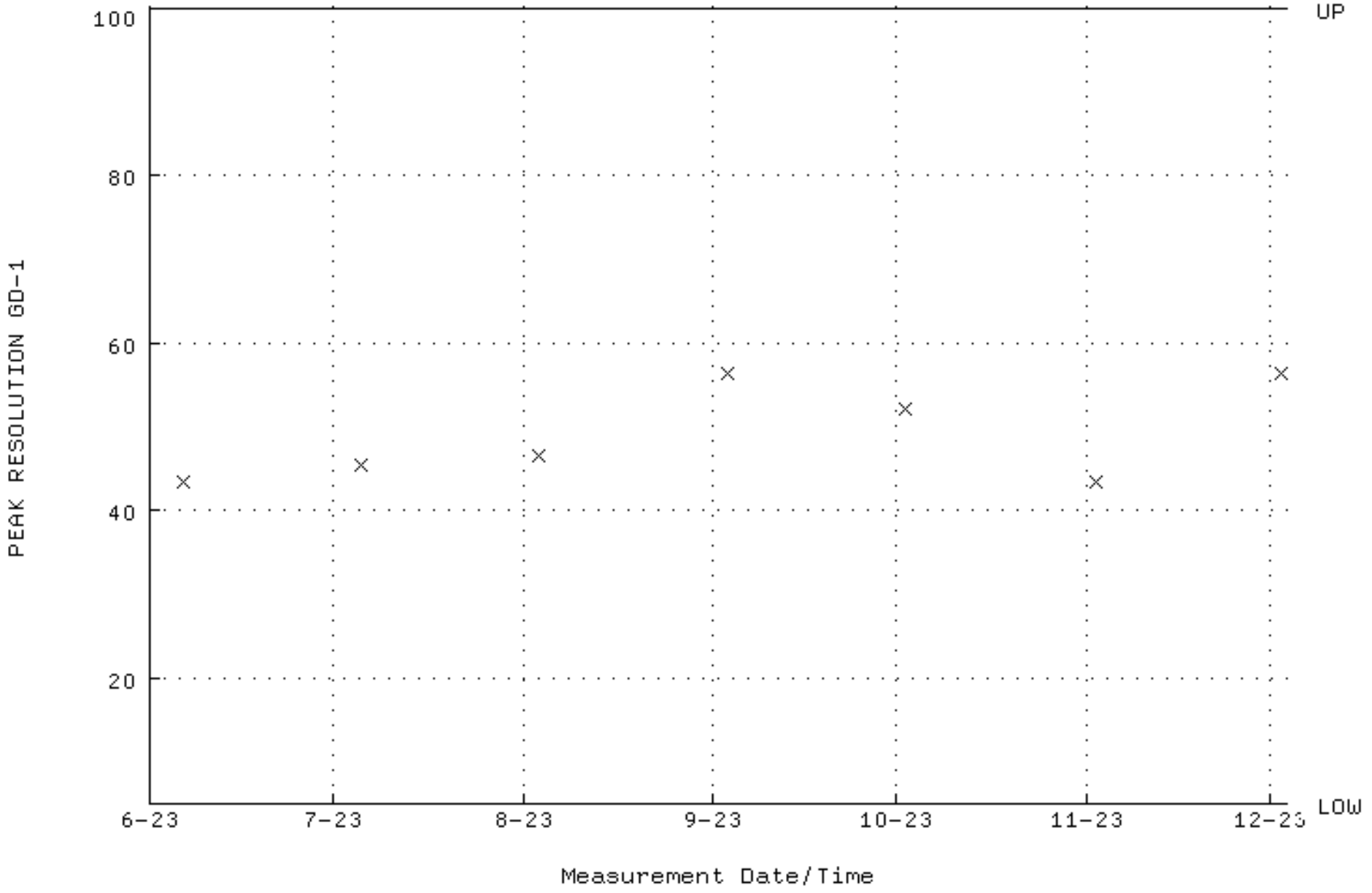
QA filename : DKA100:[ENV_ALPHA.QA.W]W034.QAF;7
Parameter Name : AVRGEFF (Average Efficiency)
Start/End Dates : 6-JUN-2023 09:16:58 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 0.340880 through 0.361960



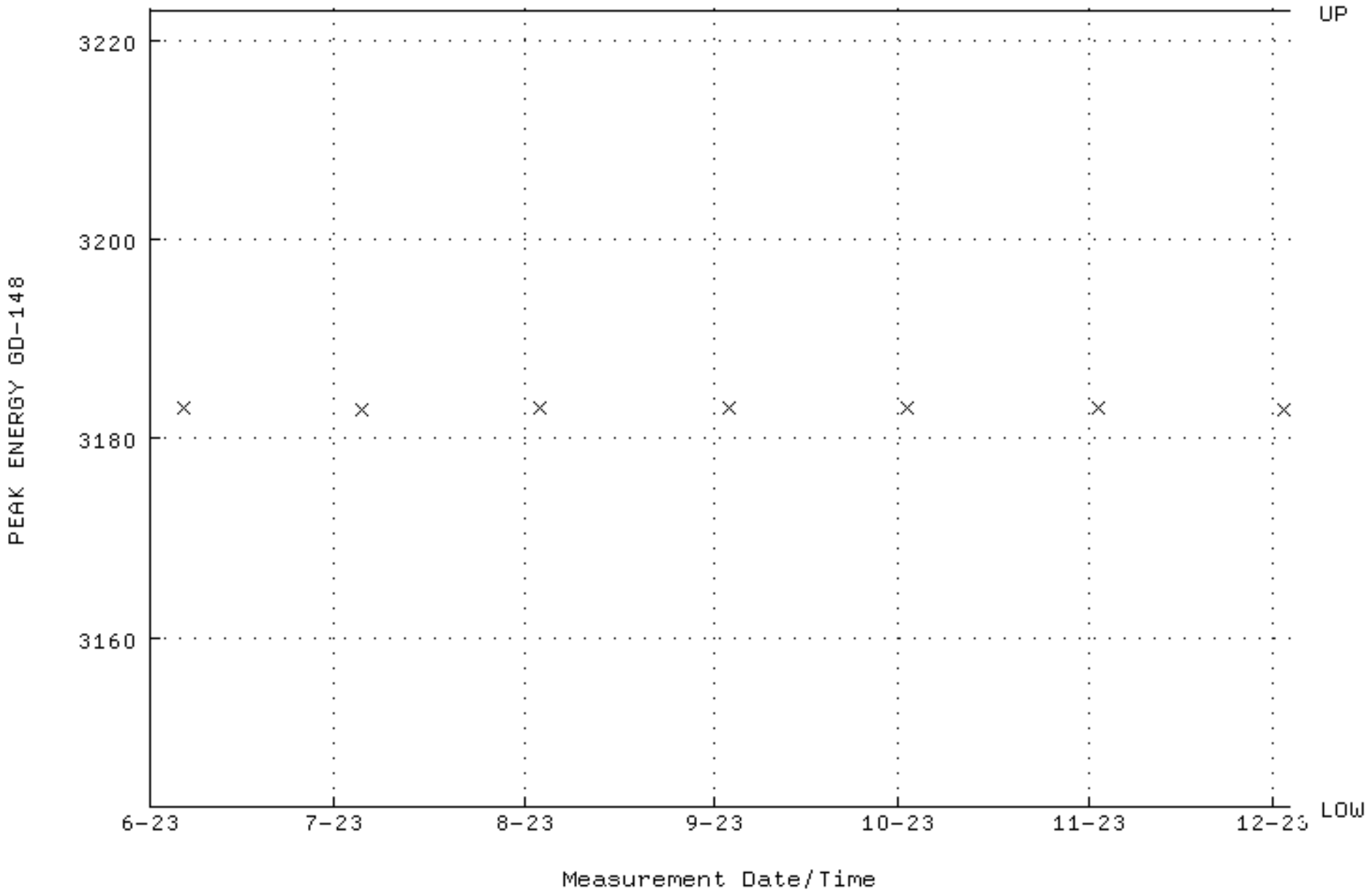
QA filename : DKA100:[ENV_ALPHA.QA.W]W034.QAF;7
Parameter Name : NLACTVTY-GD148 (NUCLIDE ACTIVITY GD-148)
Start/End Dates : 6-JUN-2023 09:16:58 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 171.090 through 189.100



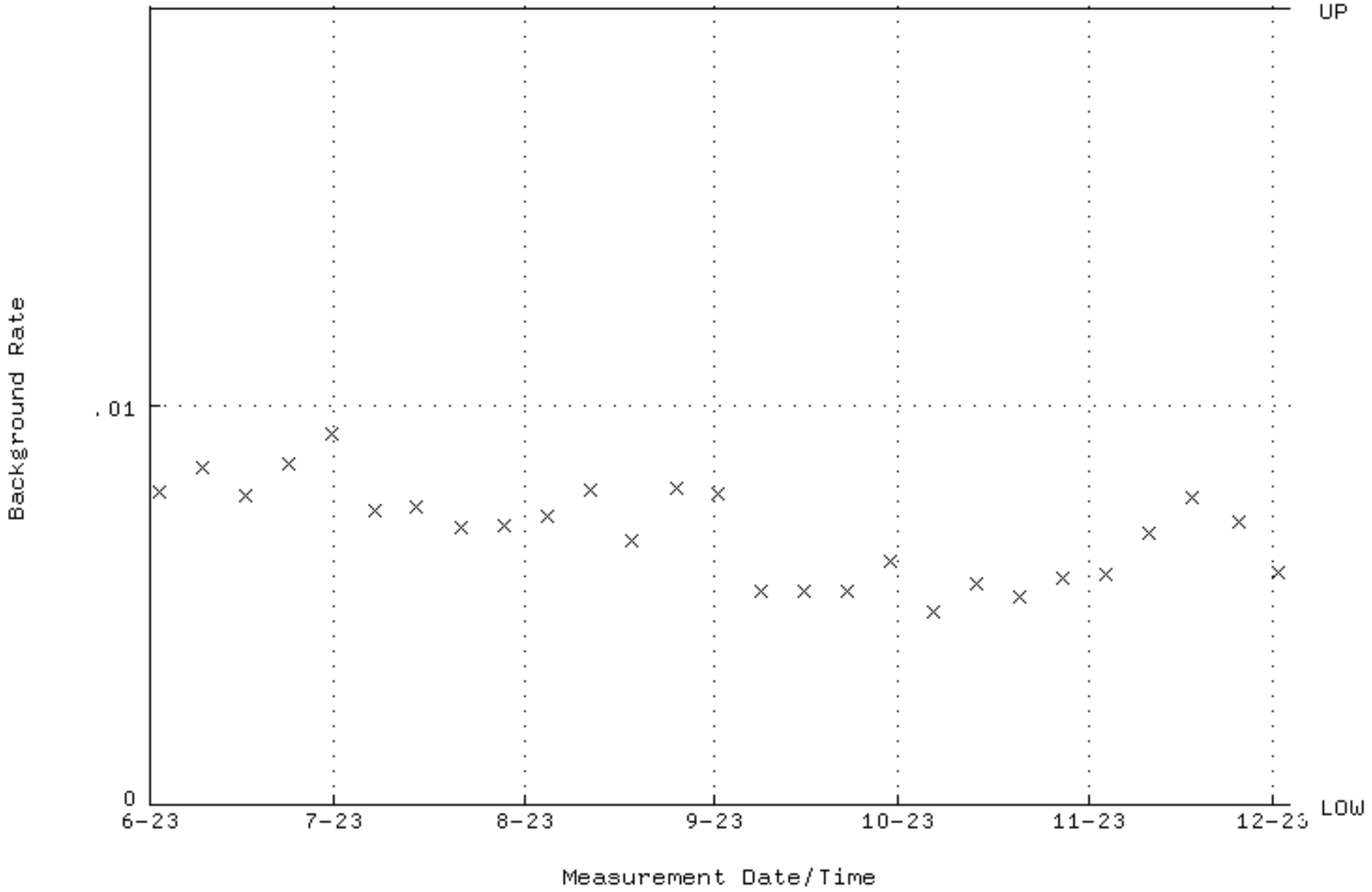
QA filename : DKA100:[ENV_ALPHA.QA.W]W034.QAF;7
Parameter Name : PSFWHM-GD148 (PEAK RESOLUTION GD-148)
Start/End Dates : 6-JUN-2023 09:16:58 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 5.00000 through 100.000



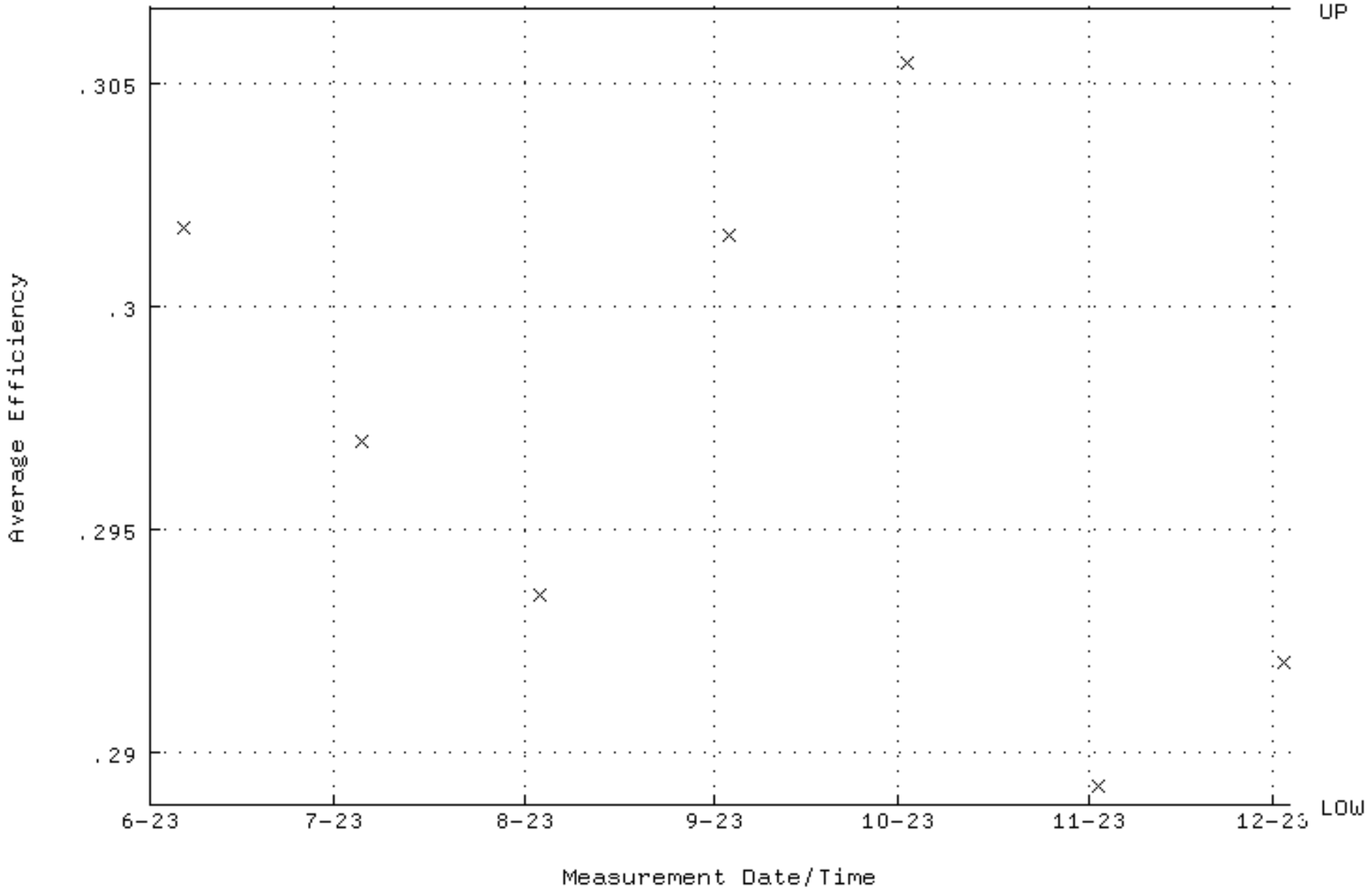
QA filename : DKA100:[ENV_ALPHA.QA.W]W034.QAF;7
Parameter Name : PSENERGY-GD148 (PEAK ENERGY GD-148)
Start/End Dates : 6-JUN-2023 09:16:58 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 3143.00 through 3223.00



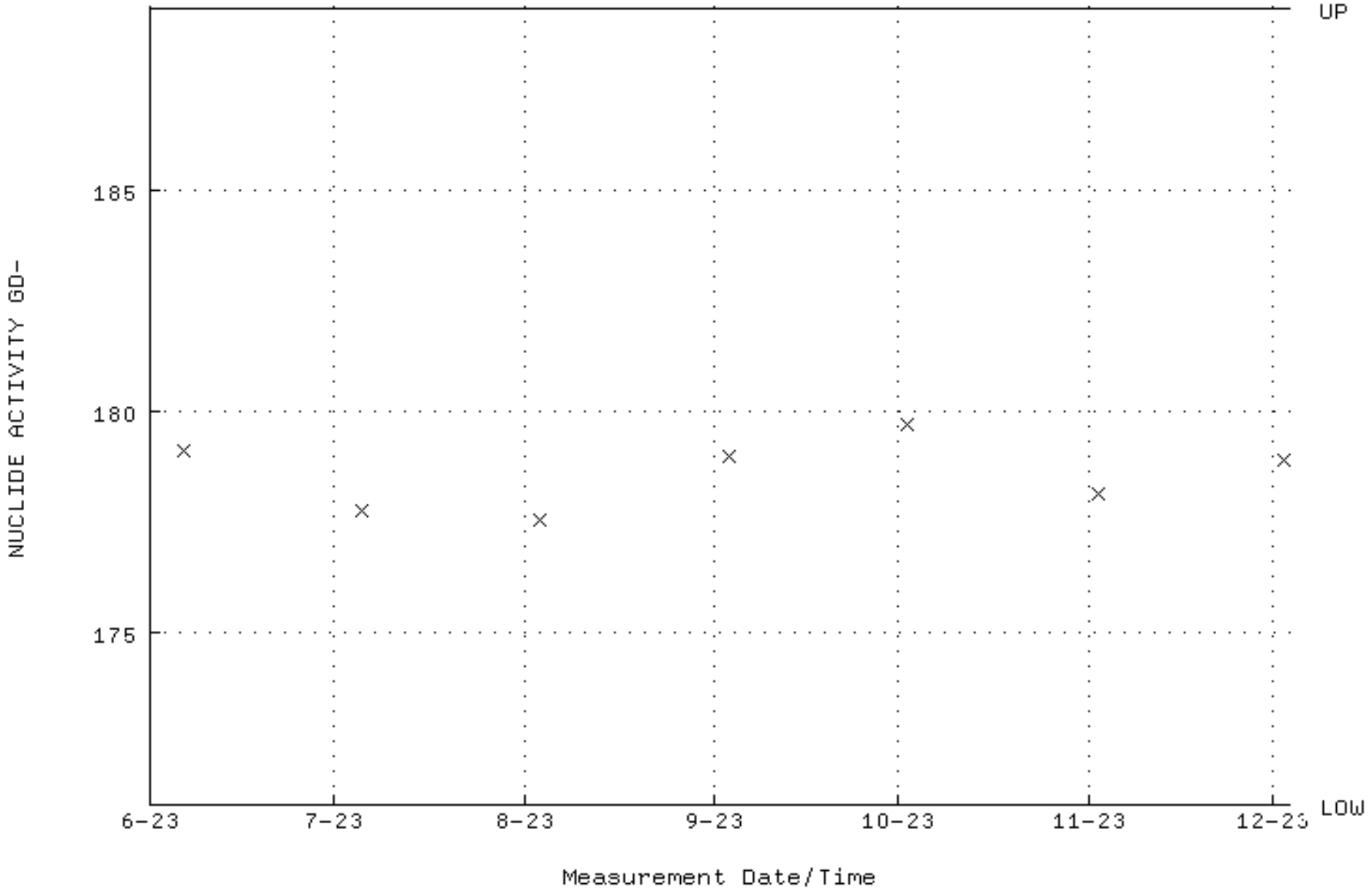
QA filename : DKA100:[ENV_ALPHA.QA.B]B034.QAF;4
Parameter Name : BACKRATE (Background Rate)
Start/End Dates : 2-JUN-2023 10:56:42 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 0.000000E+00 through 2.000000E-02



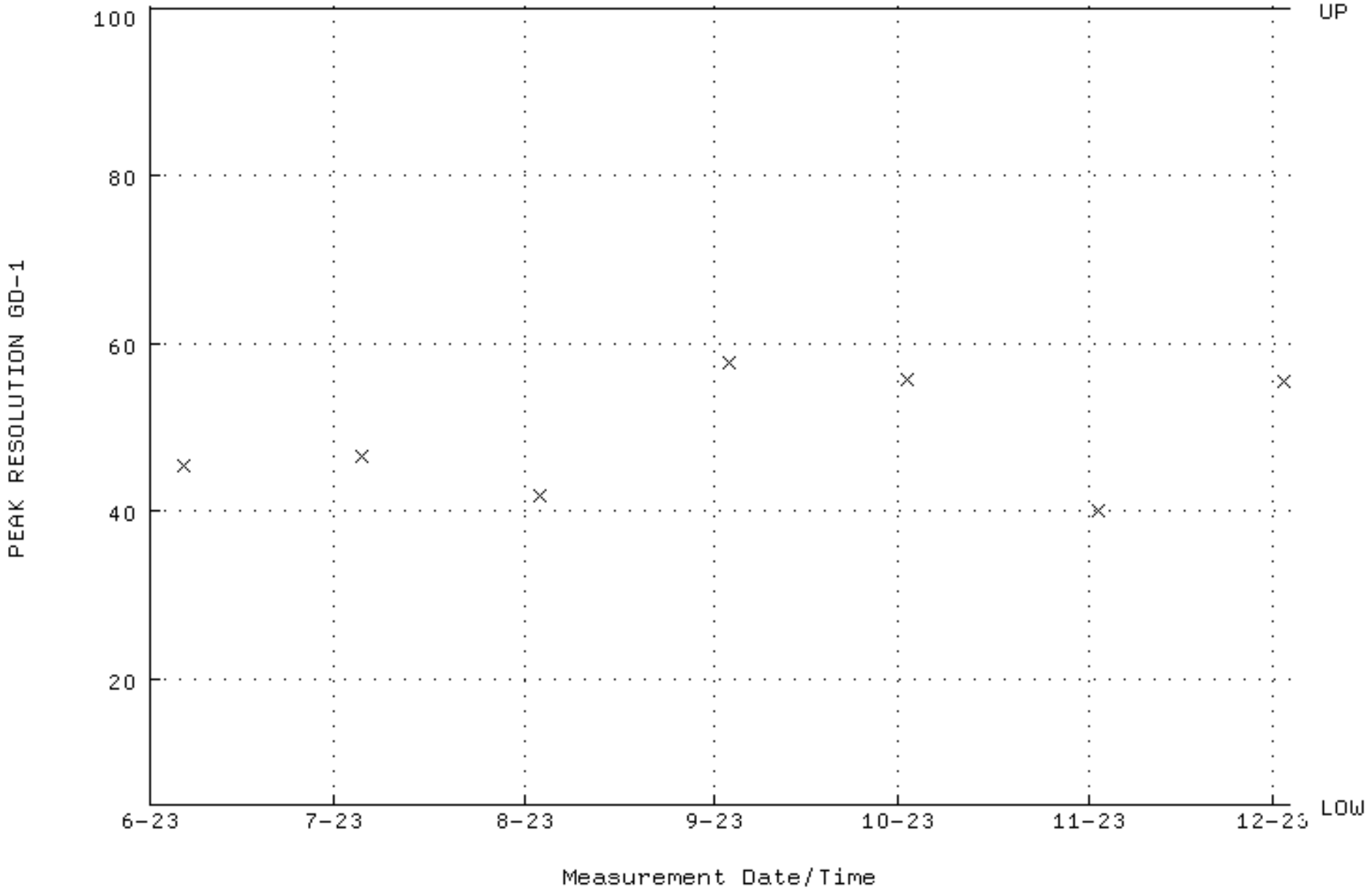
QA filename : DKA100:[ENV_ALPHA.QA.W]W035.QAF;7
Parameter Name : AVRGEFF (Average Efficiency)
Start/End Dates : 6-JUN-2023 09:16:58 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 0.288810 through 0.306670



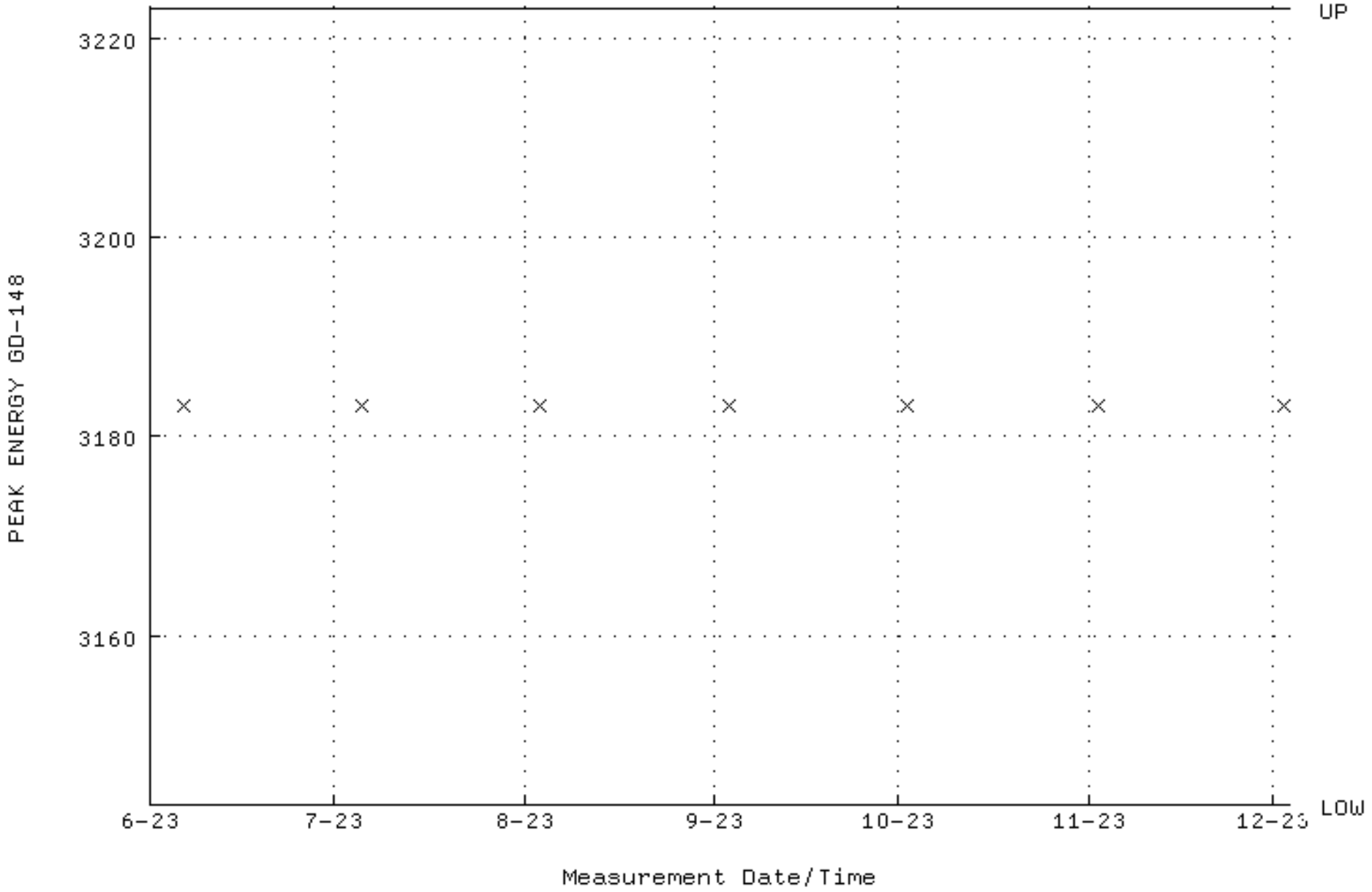
QA filename : DKA100:[ENV_ALPHA.QA.W]W035.QAF;7
Parameter Name : NLACTVTY-GD148 (NUCLIDE ACTIVITY GD-148)
Start/End Dates : 6-JUN-2023 09:16:58 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 171.090 through 189.100

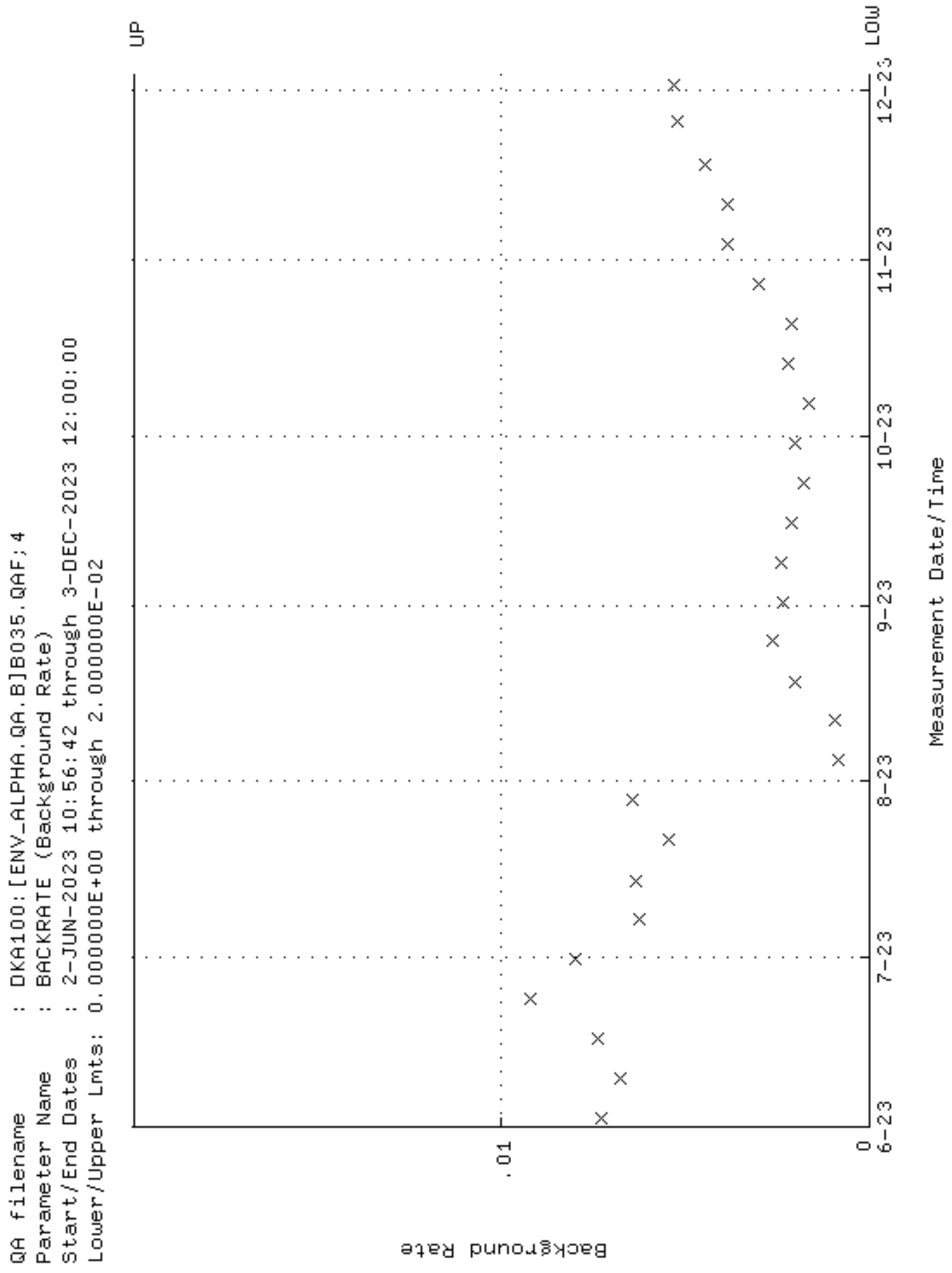


QA filename : DKA100:[ENV_ALPHA.QA.W]W035.QAF;7
Parameter Name : PSFWHM-GD148 (PEAK RESOLUTION GD-148)
Start/End Dates : 6-JUN-2023 09:16:58 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 5.00000 through 100.000

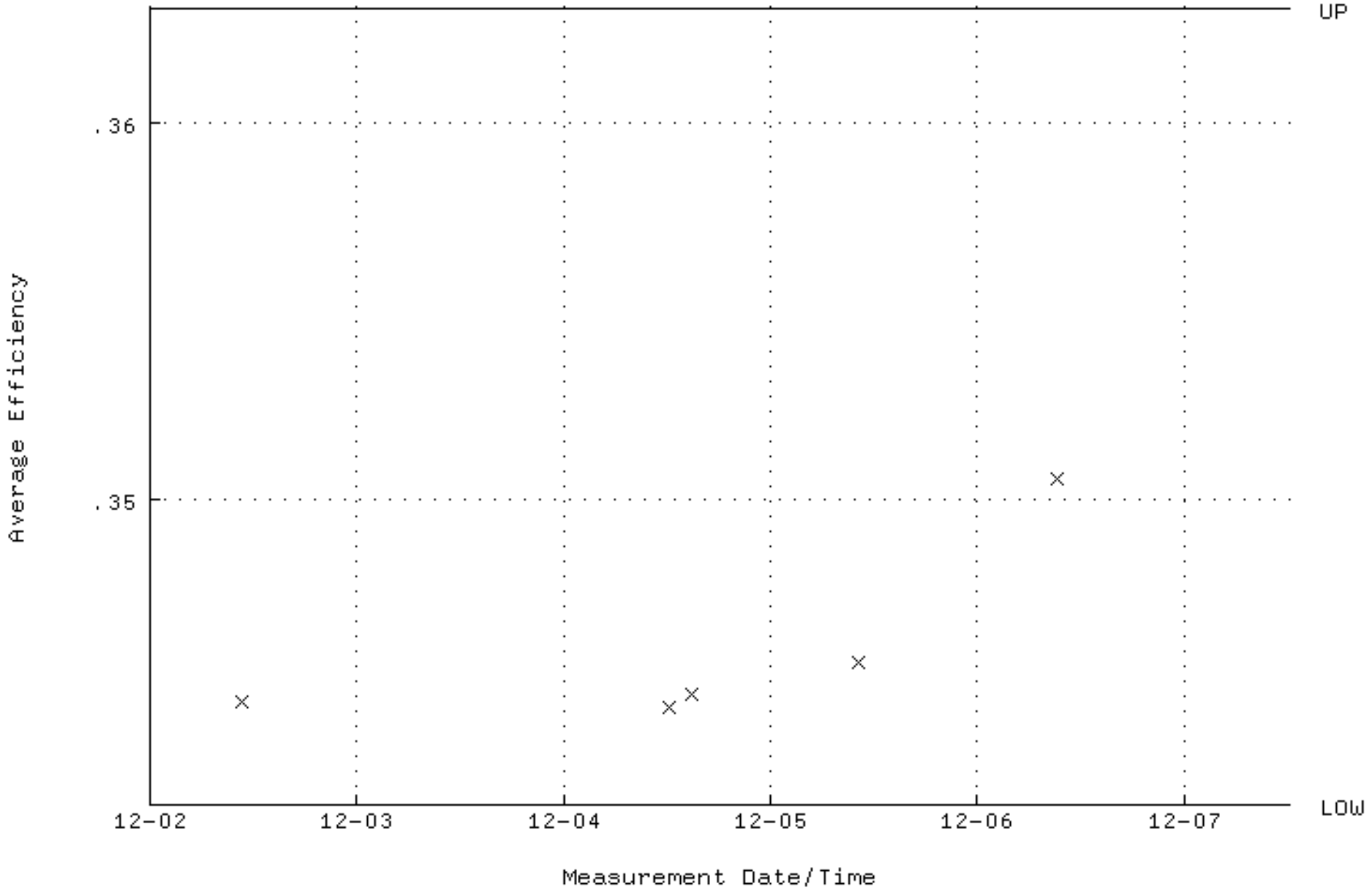


QA filename : DKA100:[ENV_ALPHA.QA.W]W035.QAF;7
Parameter Name : PSENERGY-GD148 (PEAK ENERGY GD-148)
Start/End Dates : 6-JUN-2023 09:16:58 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 3143.00 through 3223.00

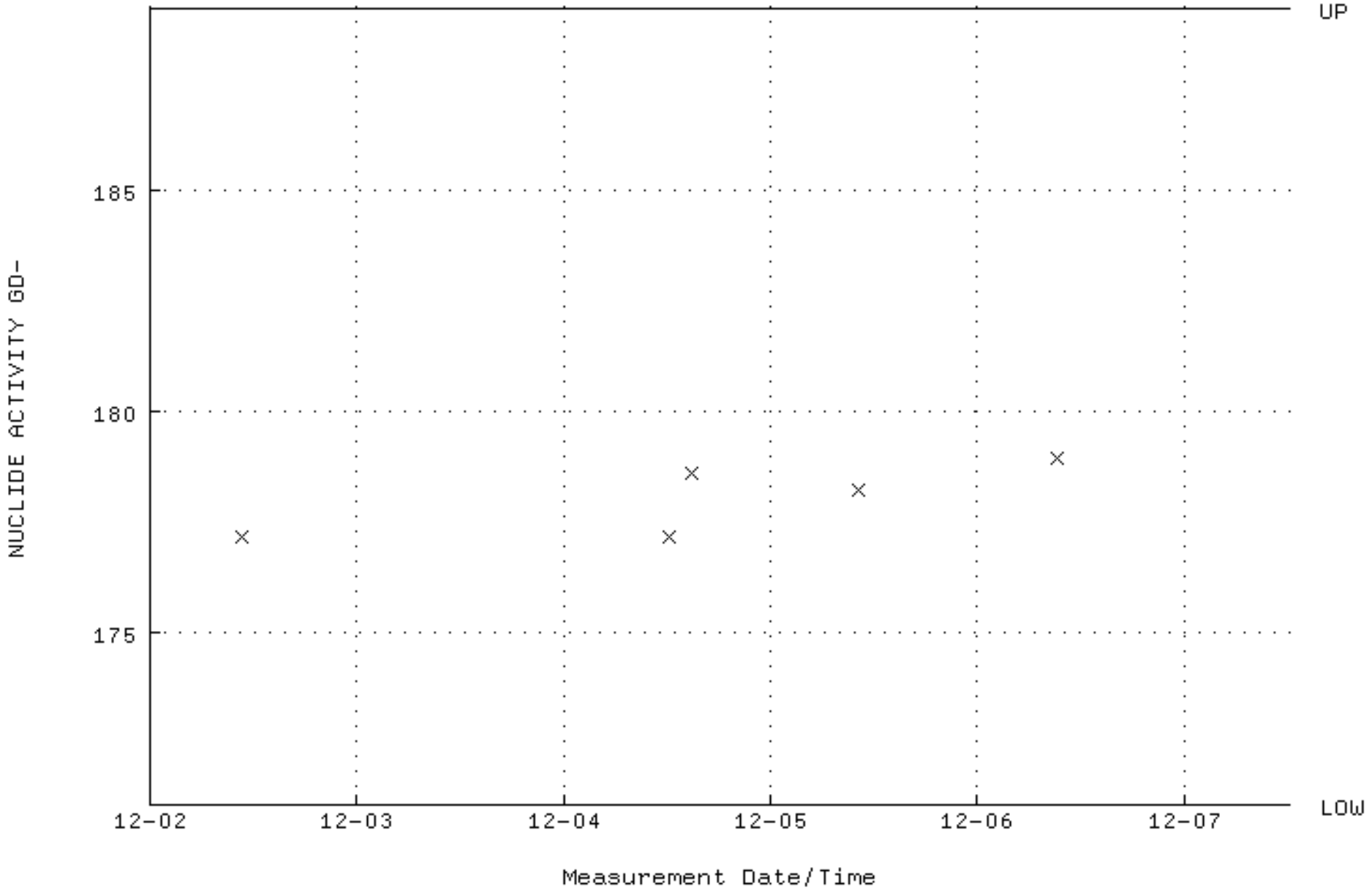



QA filename : DKA100:[ENV_ALPHA.QA.B]B035.QAF;4
Parameter Name : BACKRATE (Background Rate)
Start/End Dates : 2-JUN-2023 10:56:42 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 0.0000000E+00 through 2.0000000E-02
UP
LOW
Background Rate
.01
0
6-23
7-23
8-23
9-23
10-23
11-23
12-23
Measurement Date/Time

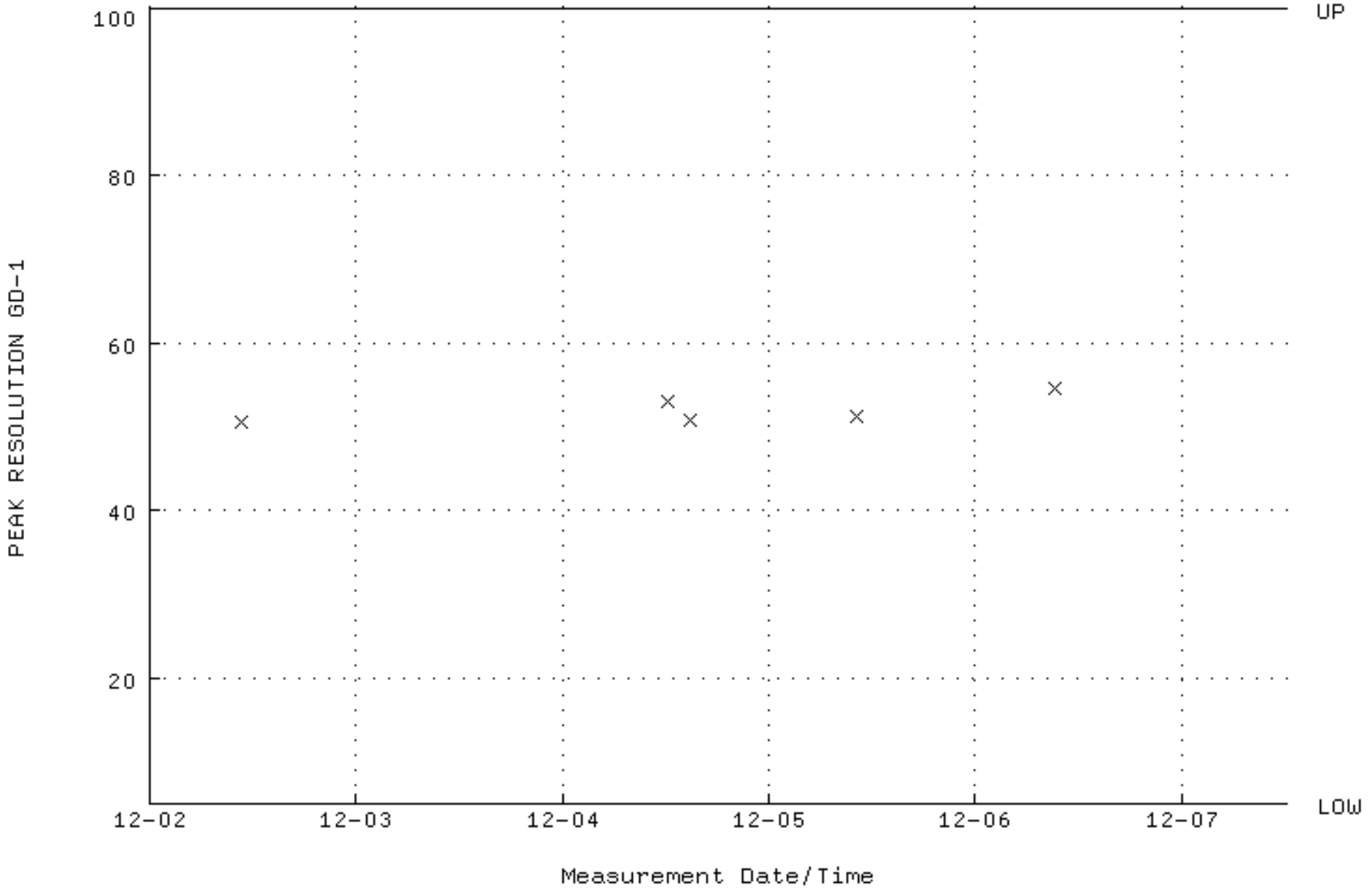
QA filename : DKA100:[ENV_ALPHA.QA.W]W036.QAF;7
Parameter Name : AVRGEFF (Average Efficiency)
Start/End Dates : 2-DEC-2023 10:33:13 through 7-DEC-2023 12:00:00
Lower/Upper Lmts: 0.341887 through 0.363035



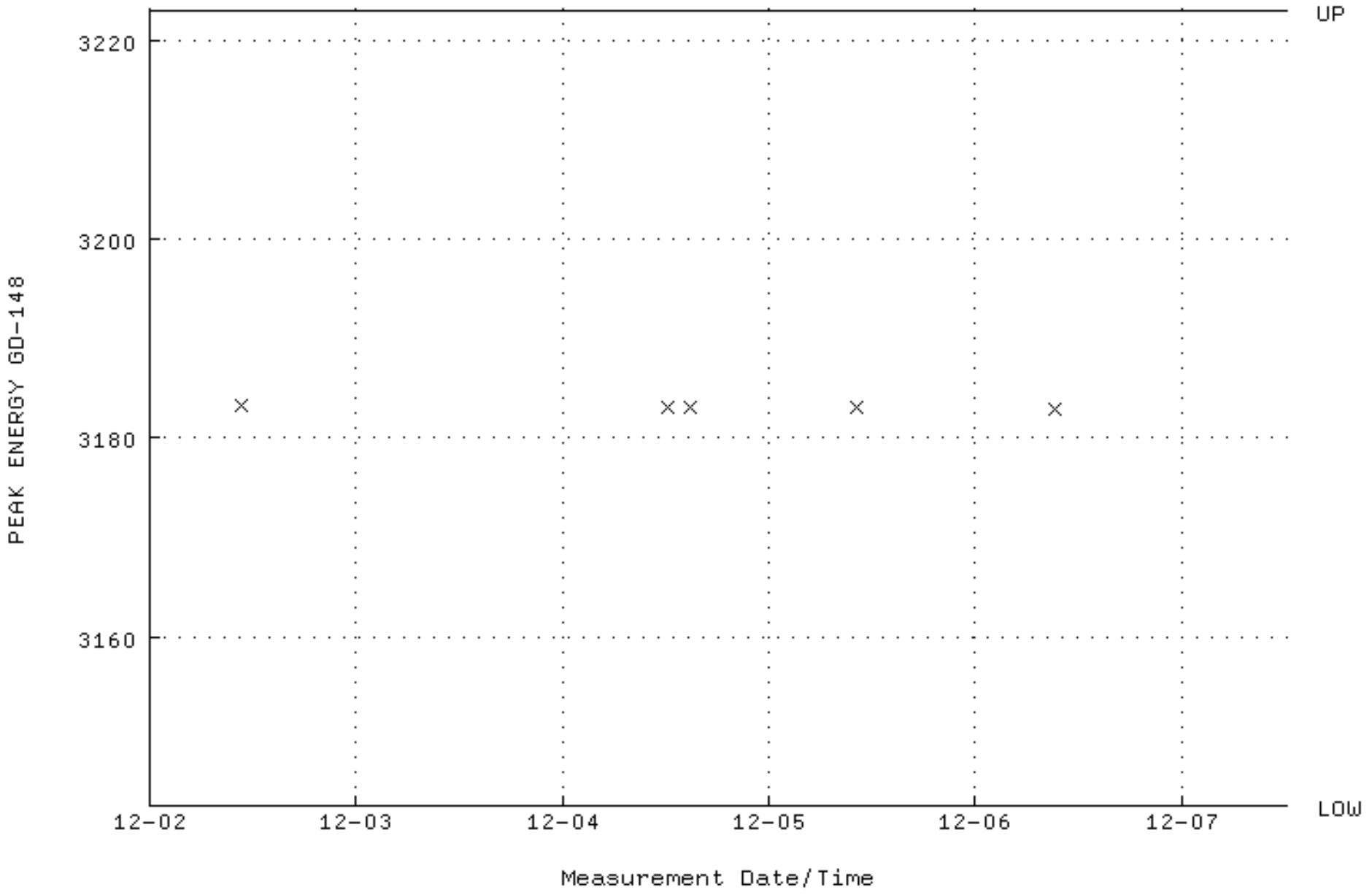
QA filename : DKA100:[ENV_ALPHA.QA.W]W036.QAF;7
Parameter Name : NLACTVTY-GD148 (NUCLIDE ACTIVITY GD-148)
Start/End Dates : 2-DEC-2023 10:33:13 through 7-DEC-2023 12:00:00
Lower/Upper Lmts: 171.090 through 189.100



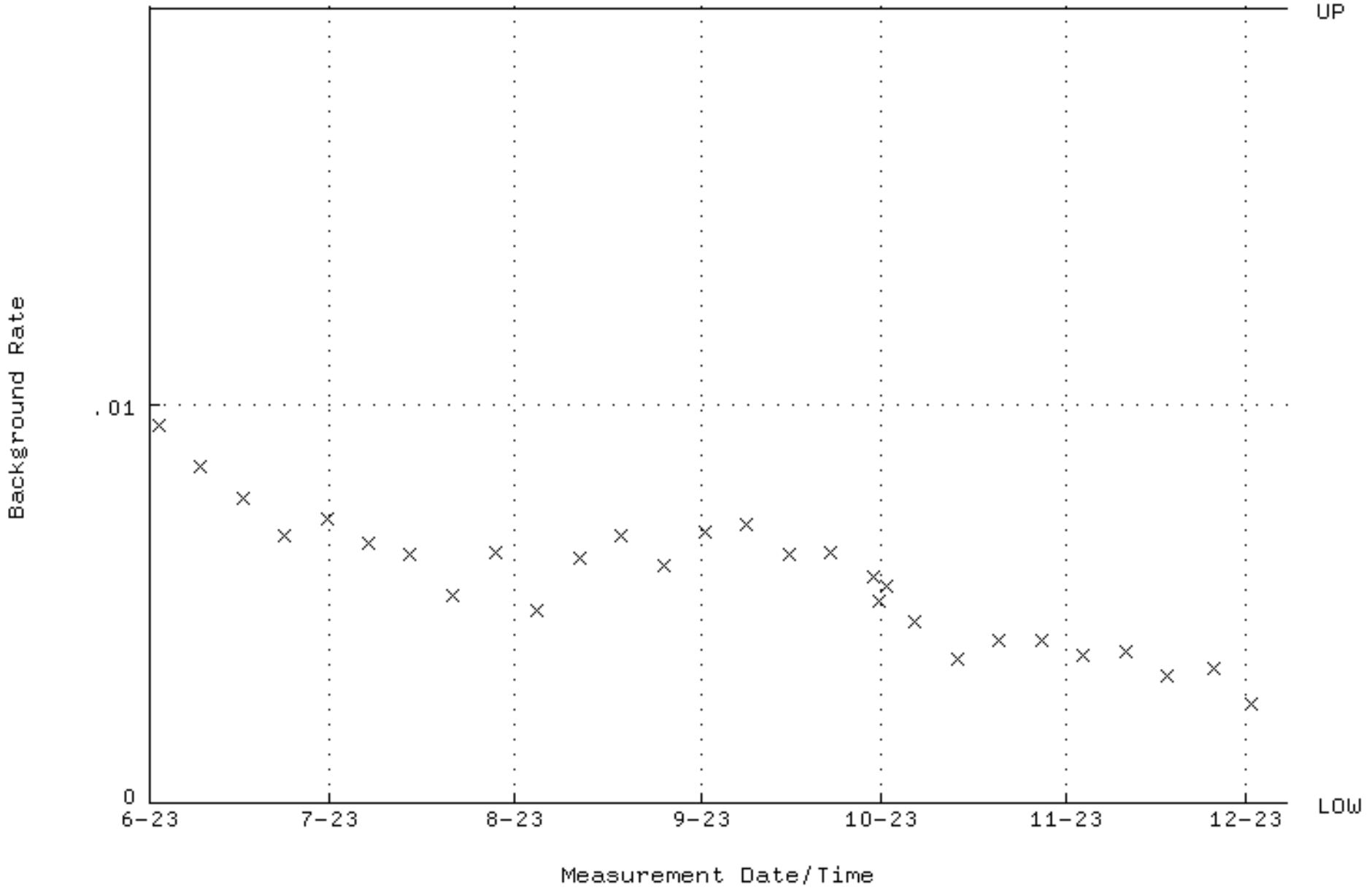
QA filename : DKA100:[ENV_ALPHA.QA.W]W036.QAF;7
Parameter Name : PSFWHM-GD148 (PEAK RESOLUTION GD-148)
Start/End Dates : 2-DEC-2023 10:33:13 through 7-DEC-2023 12:00:00
Lower/Upper Lmts: 5.00000 through 100.000



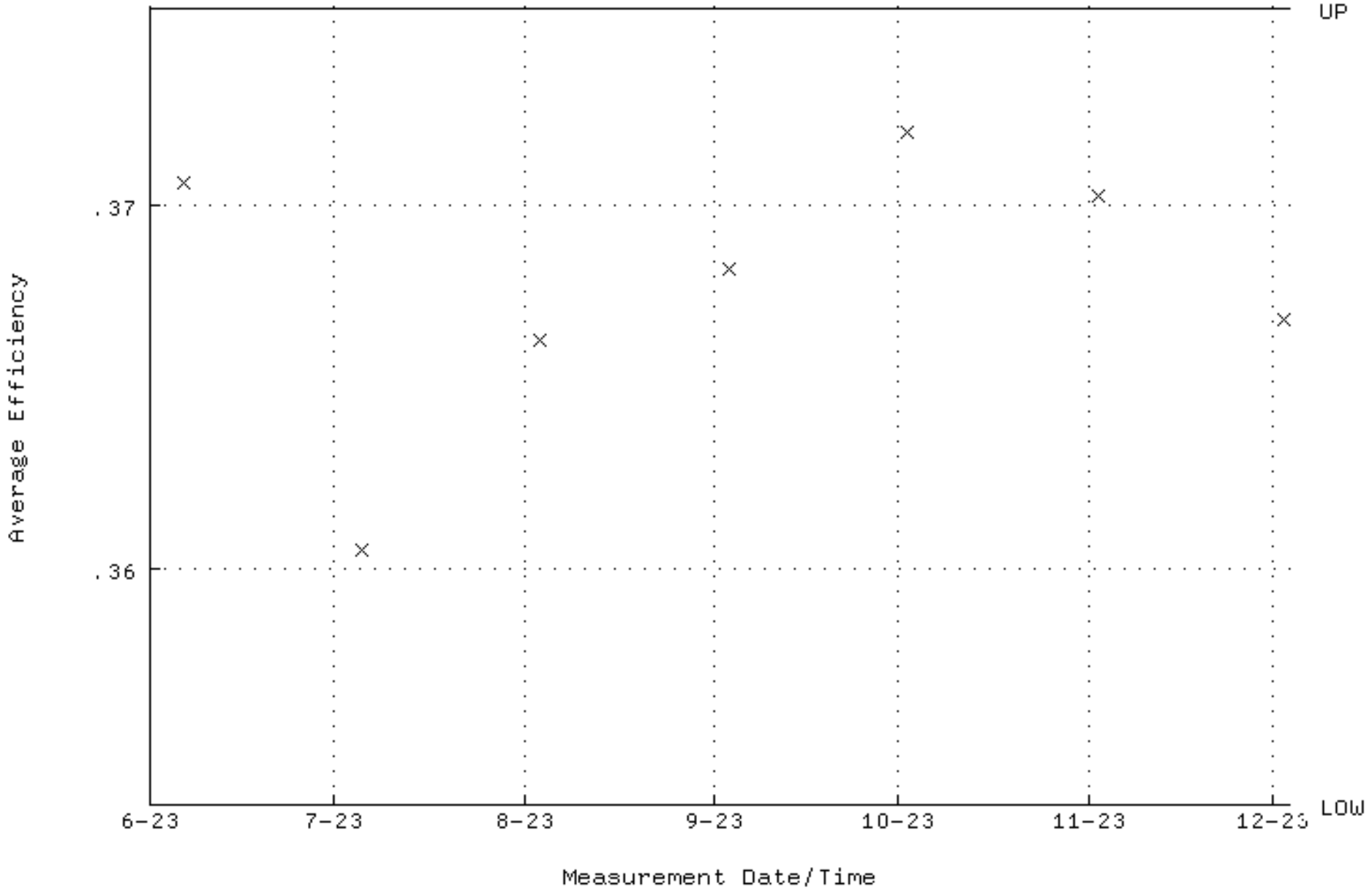
QA filename : DKA100:[ENV_ALPHA.QA.W]W036.QAF;7
Parameter Name : PSENERGY-GD148 (PEAK ENERGY GD-148)
Start/End Dates : 2-DEC-2023 10:33:13 through 7-DEC-2023 12:00:00
Lower/Upper Lmts: 3143.00 through 3223.00



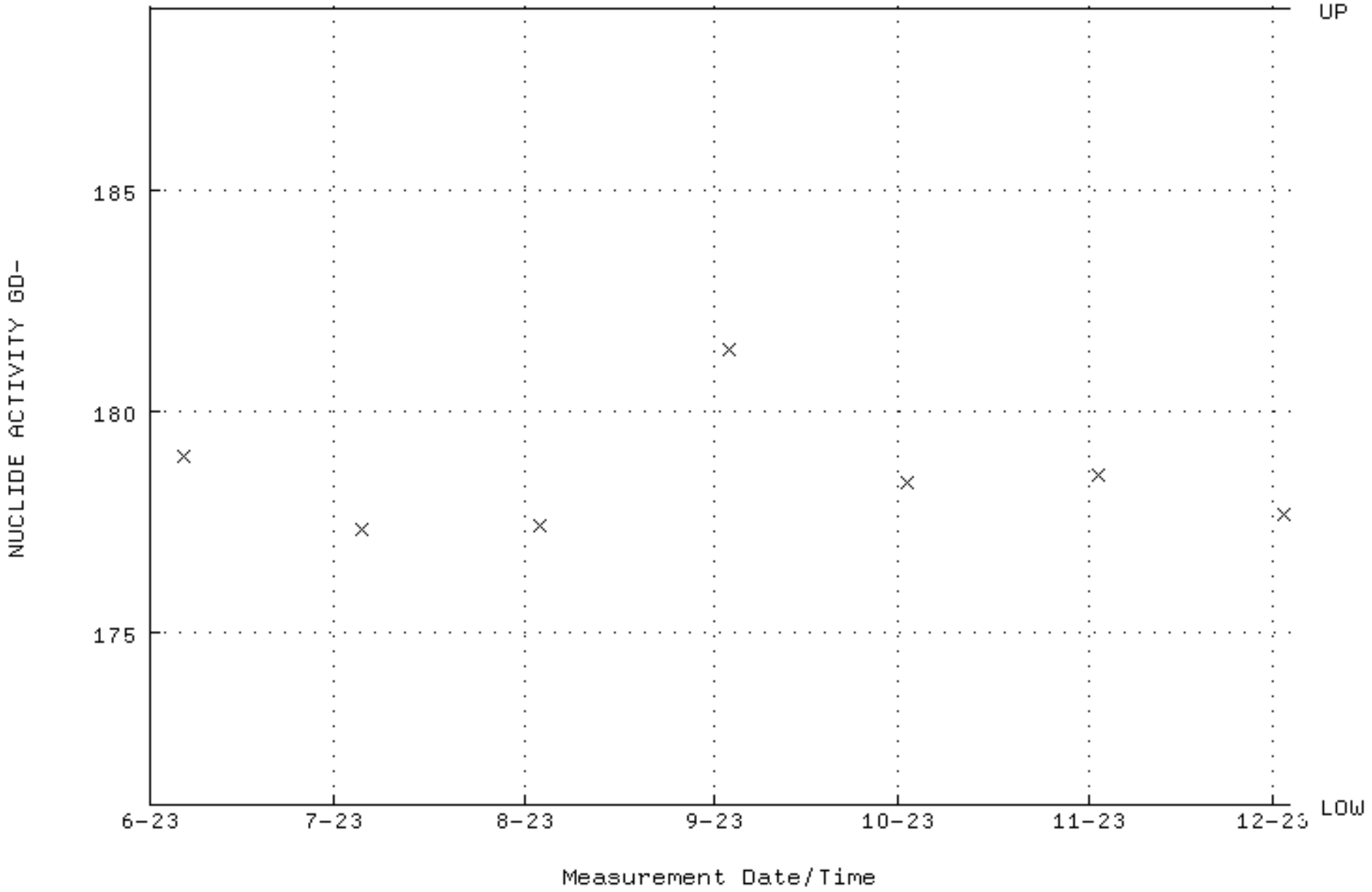
QA filename : DKA100:[ENV_ALPHA.QA.B]B036.QAF;4
Parameter Name : BACKRATE (Background Rate)
Start/End Dates : 2-JUN-2023 10:56:42 through 7-DEC-2023 12:00:00
Lower/Upper Lmts: 0.000000E+00 through 2.000000E-02



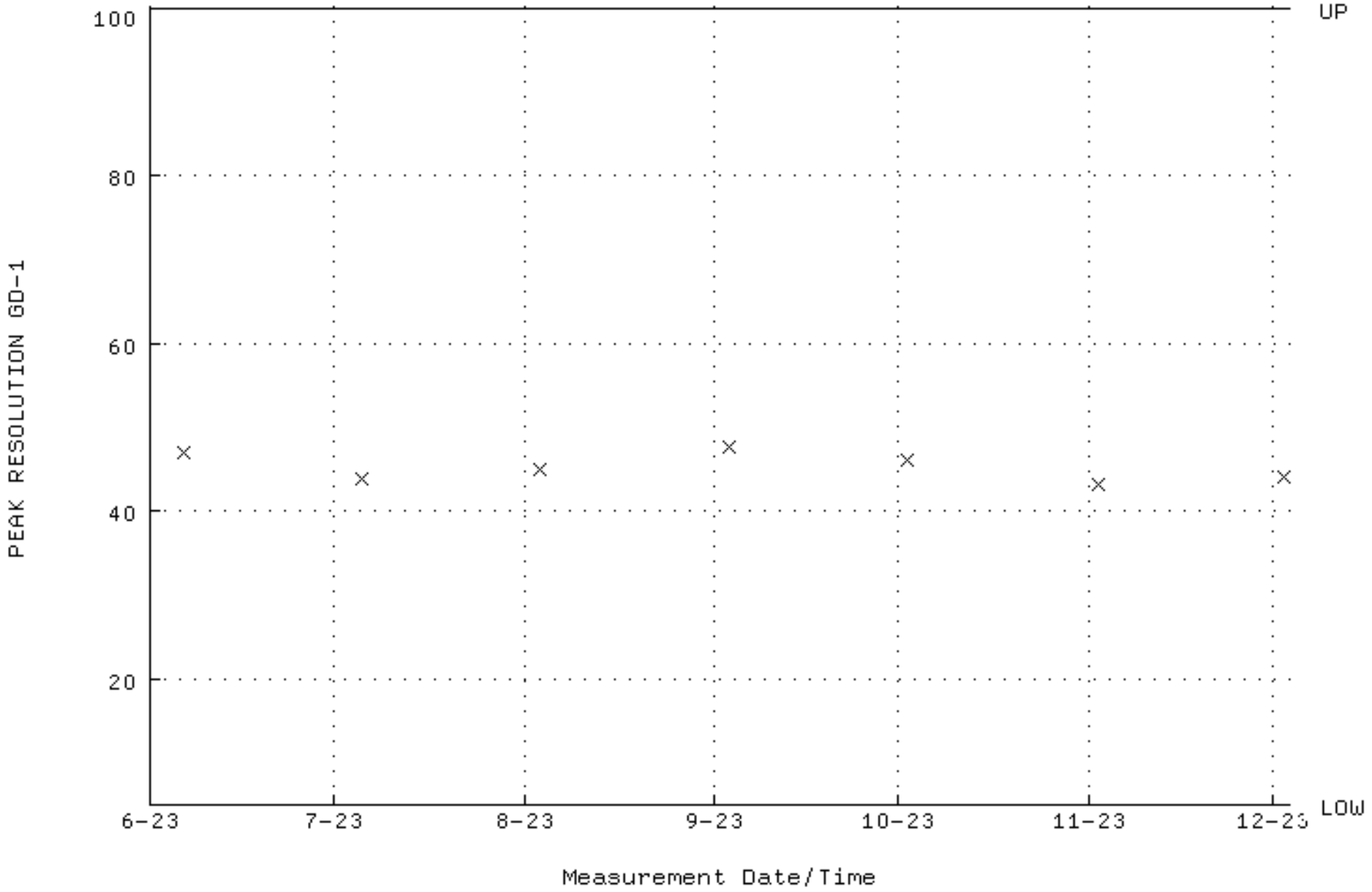
QA filename : DKA100:[ENV_ALPHA.QA.W]W038.QAF;6
Parameter Name : AVRGEFF (Average Efficiency)
Start/End Dates : 6-JUN-2023 09:17:01 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 0.353540 through 0.375400



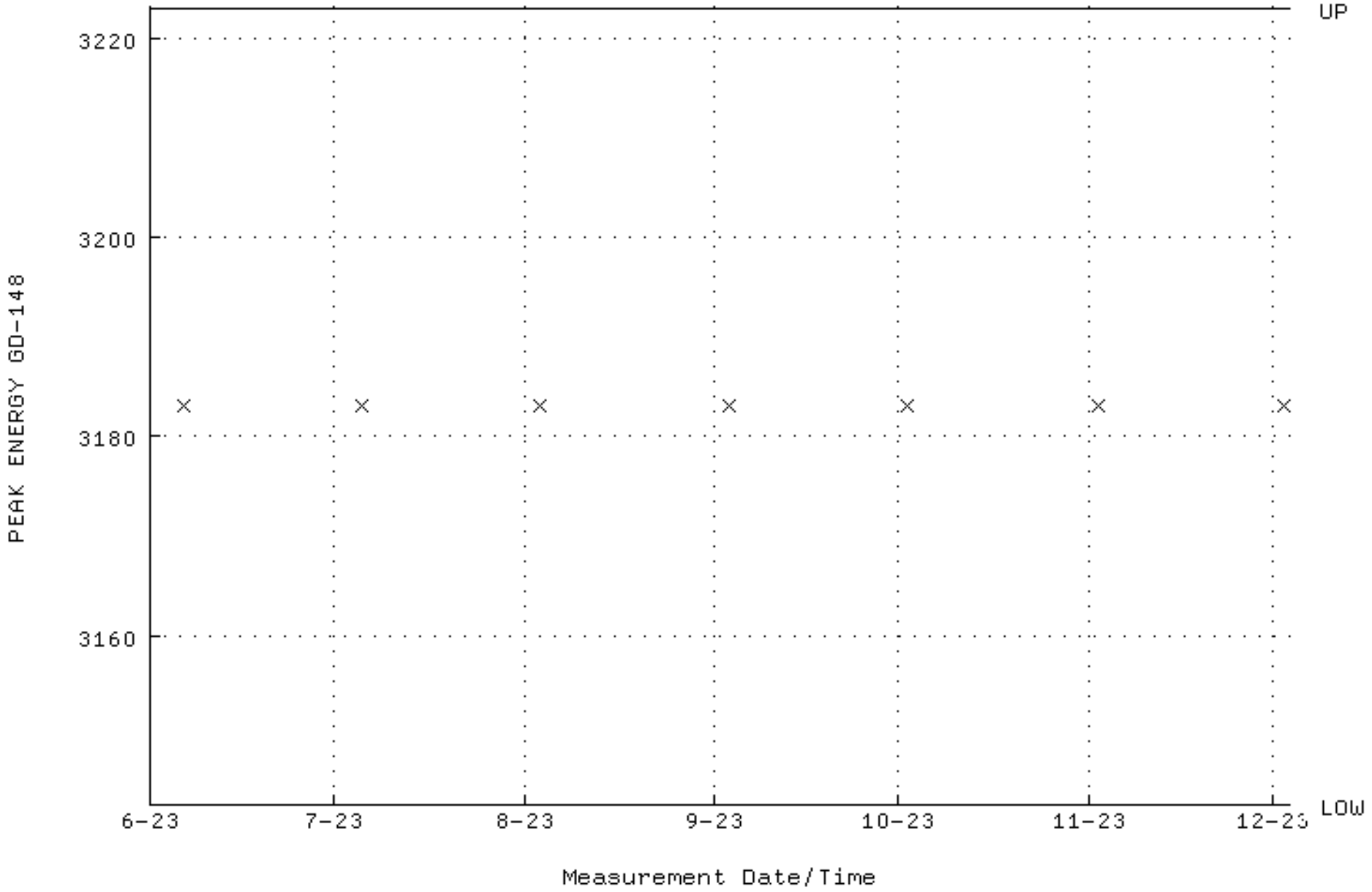
QA filename : DKA100:[ENV_ALPHA.QA.W]W038.QAF;6
Parameter Name : NLACTVTY-GD148 (NUCLIDE ACTIVITY GD-148)
Start/End Dates : 6-JUN-2023 09:17:01 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 171.090 through 189.100



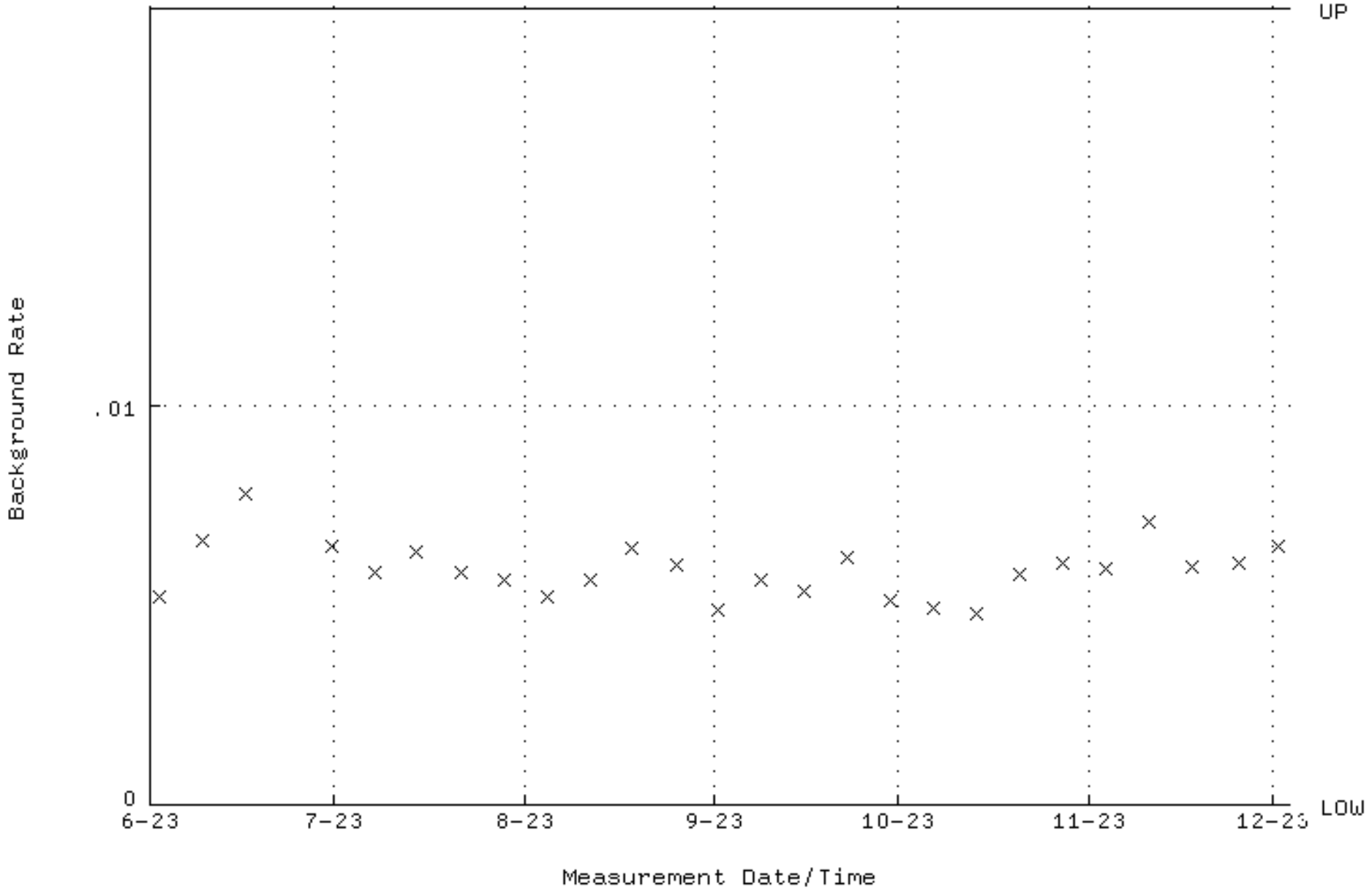
QA filename : DKA100:[ENV_ALPHA.QA.W]W038.QAF;6
Parameter Name : PSFWHM-GD148 (PEAK RESOLUTION GD-148)
Start/End Dates : 6-JUN-2023 09:17:01 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 5.00000 through 100.000



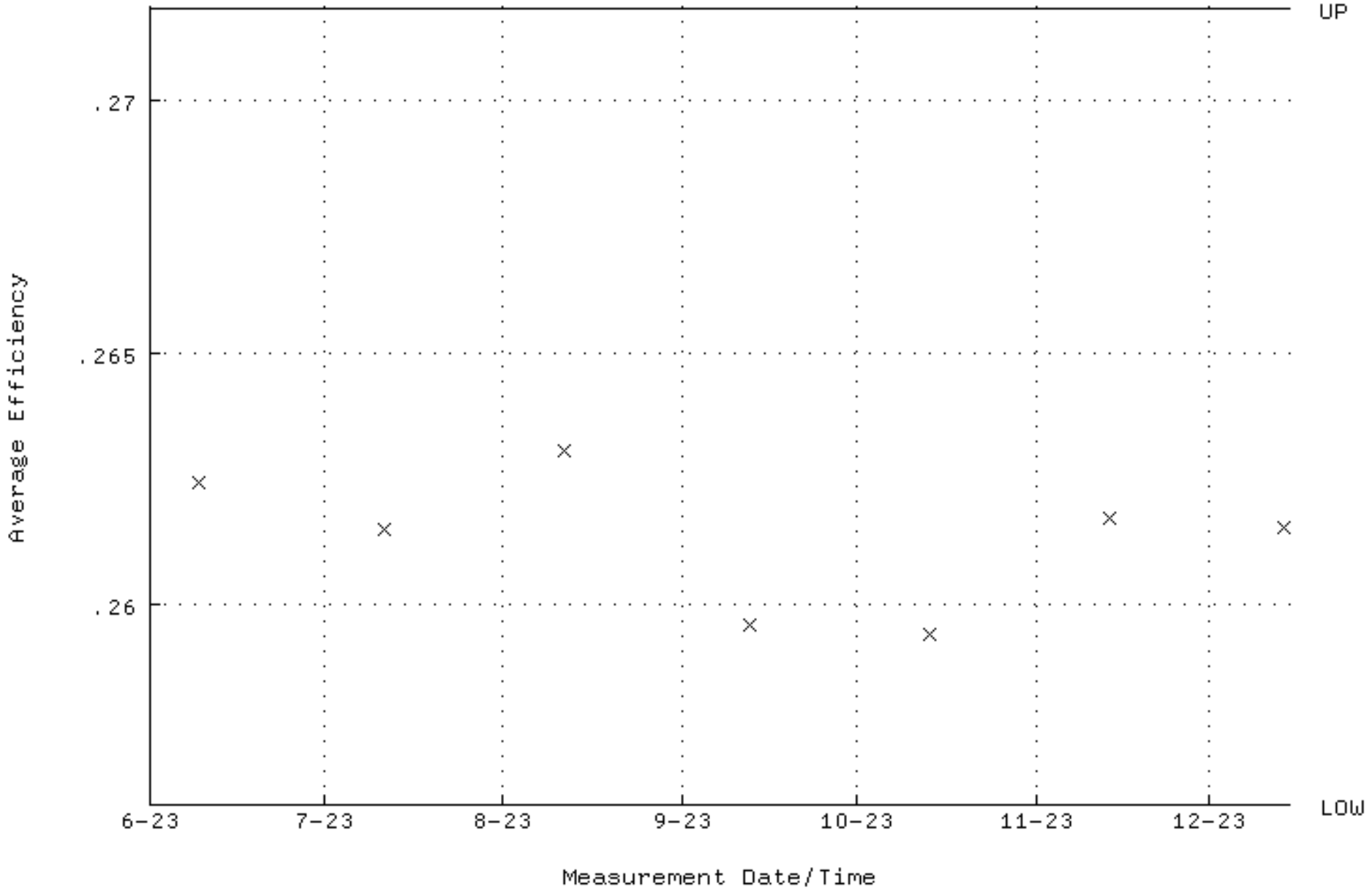
QA filename : DKA100:[ENV_ALPHA.QA.W]W038.QAF;6
Parameter Name : PSENERGY-GD148 (PEAK ENERGY GD-148)
Start/End Dates : 6-JUN-2023 09:17:01 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 3143.00 through 3223.00



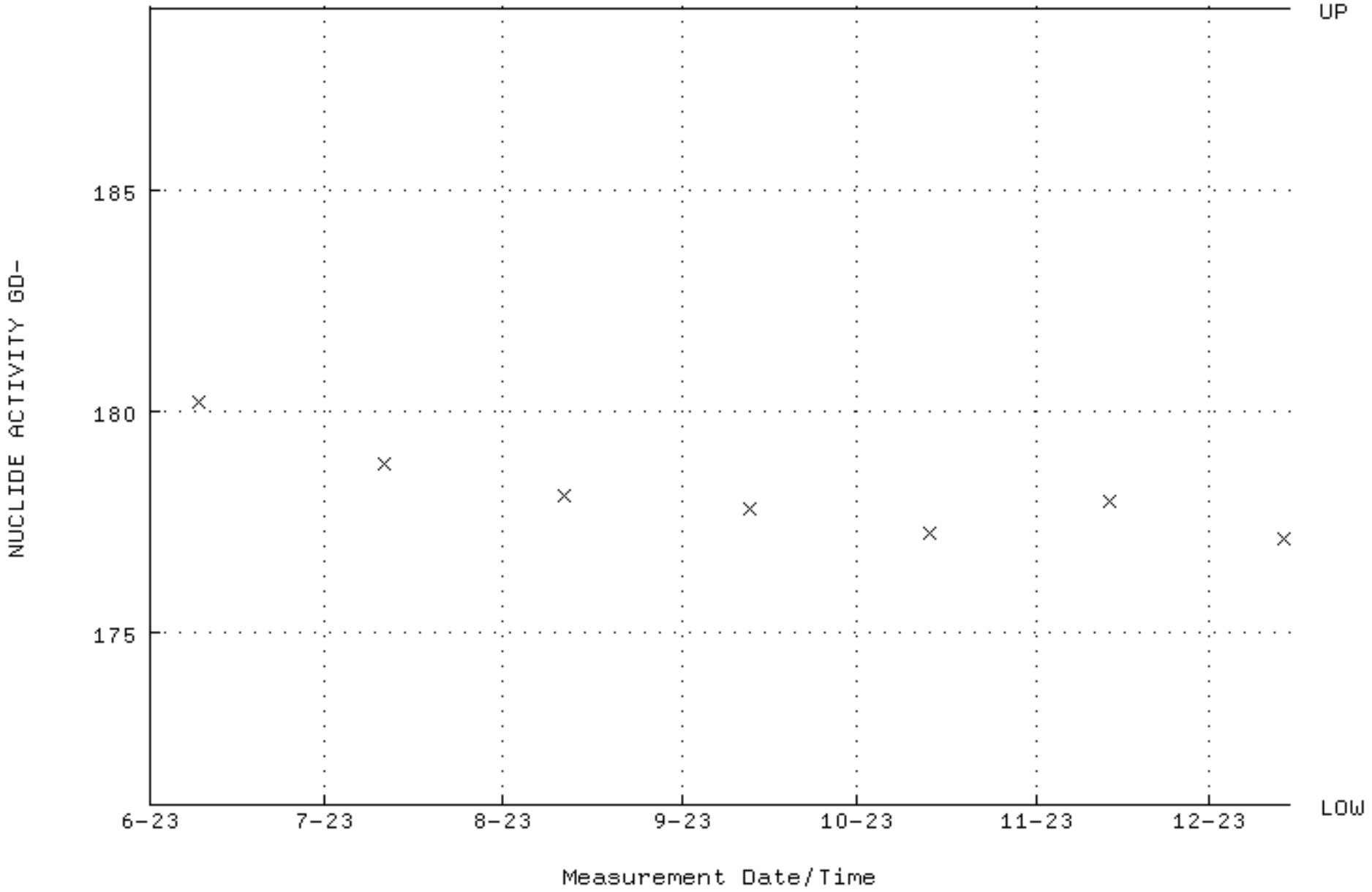
QA filename : DKA100:[ENV_ALPHA.QA.B]B038.QAF;4
Parameter Name : BACKRATE (Background Rate)
Start/End Dates : 2-JUN-2023 12:35:56 through 3-DEC-2023 12:00:00
Lower/Upper Lmts: 0.000000E+00 through 2.000000E-02



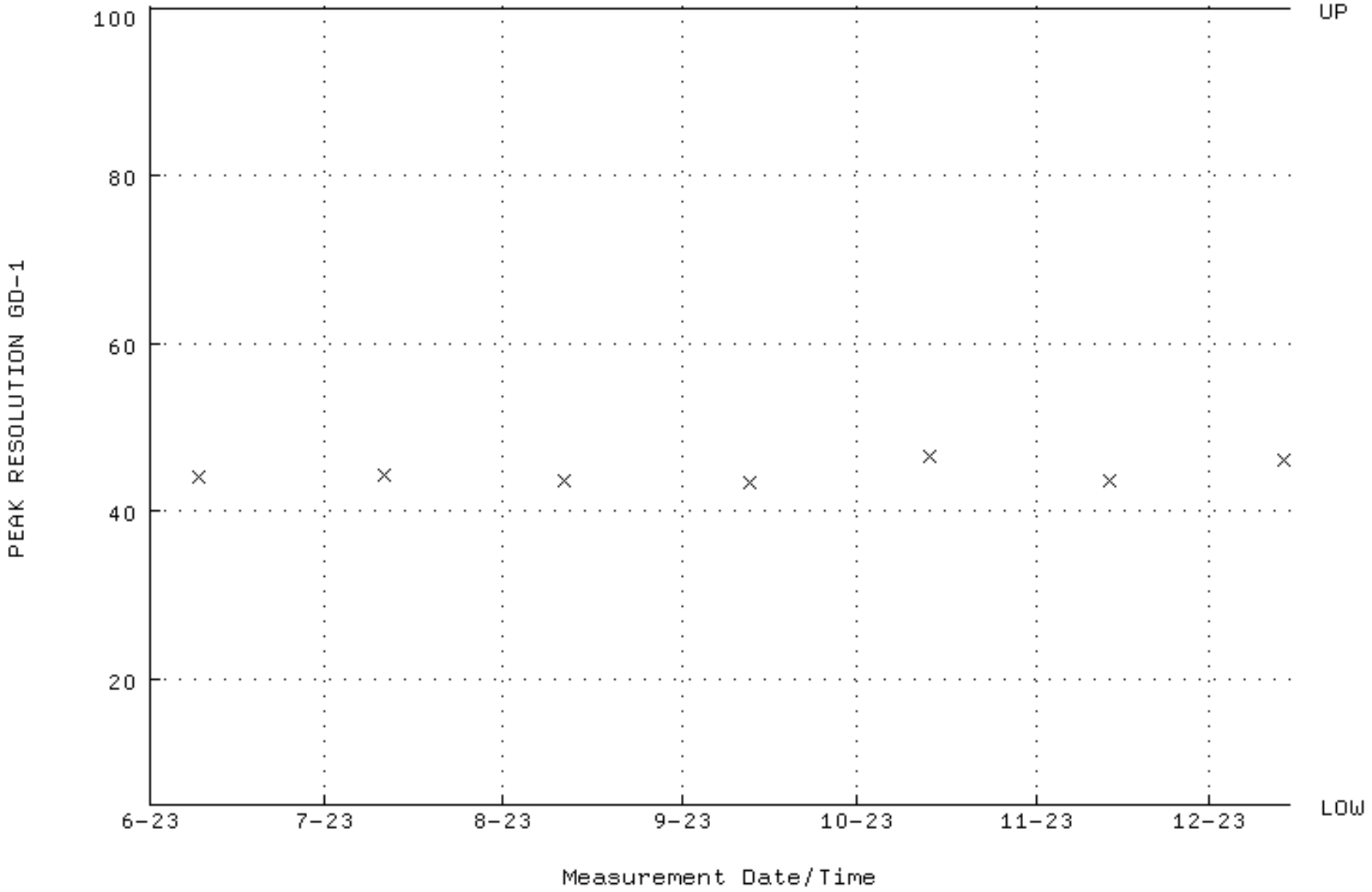
QA filename : DKA100:[ENV_ALPHA.QA.W]W117.QAF;6
Parameter Name : AVRGEFF (Average Efficiency)
Start/End Dates : 9-JUN-2023 11:04:35 through 14-DEC-2023 12:00:00
Lower/Upper Lmts: 0.256000 through 0.271840



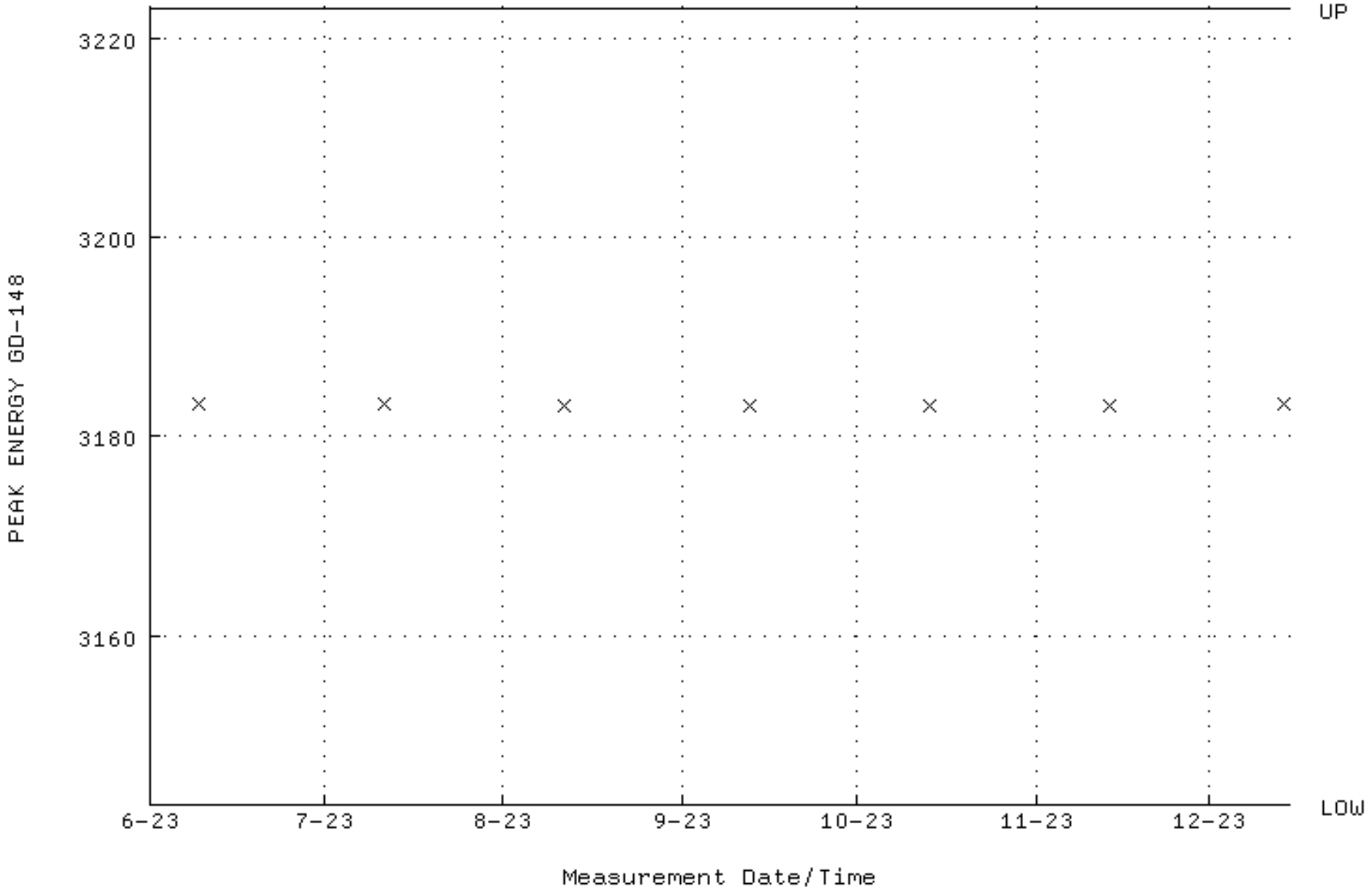
QA filename : DKA100:[ENV_ALPHA.QA.W]W117.QAF;6
Parameter Name : NLACTVTY-GD148 (NUCLIDE ACTIVITY GD-148)
Start/End Dates : 9-JUN-2023 11:04:35 through 14-DEC-2023 12:00:00
Lower/Upper Lmts: 171.090 through 189.100



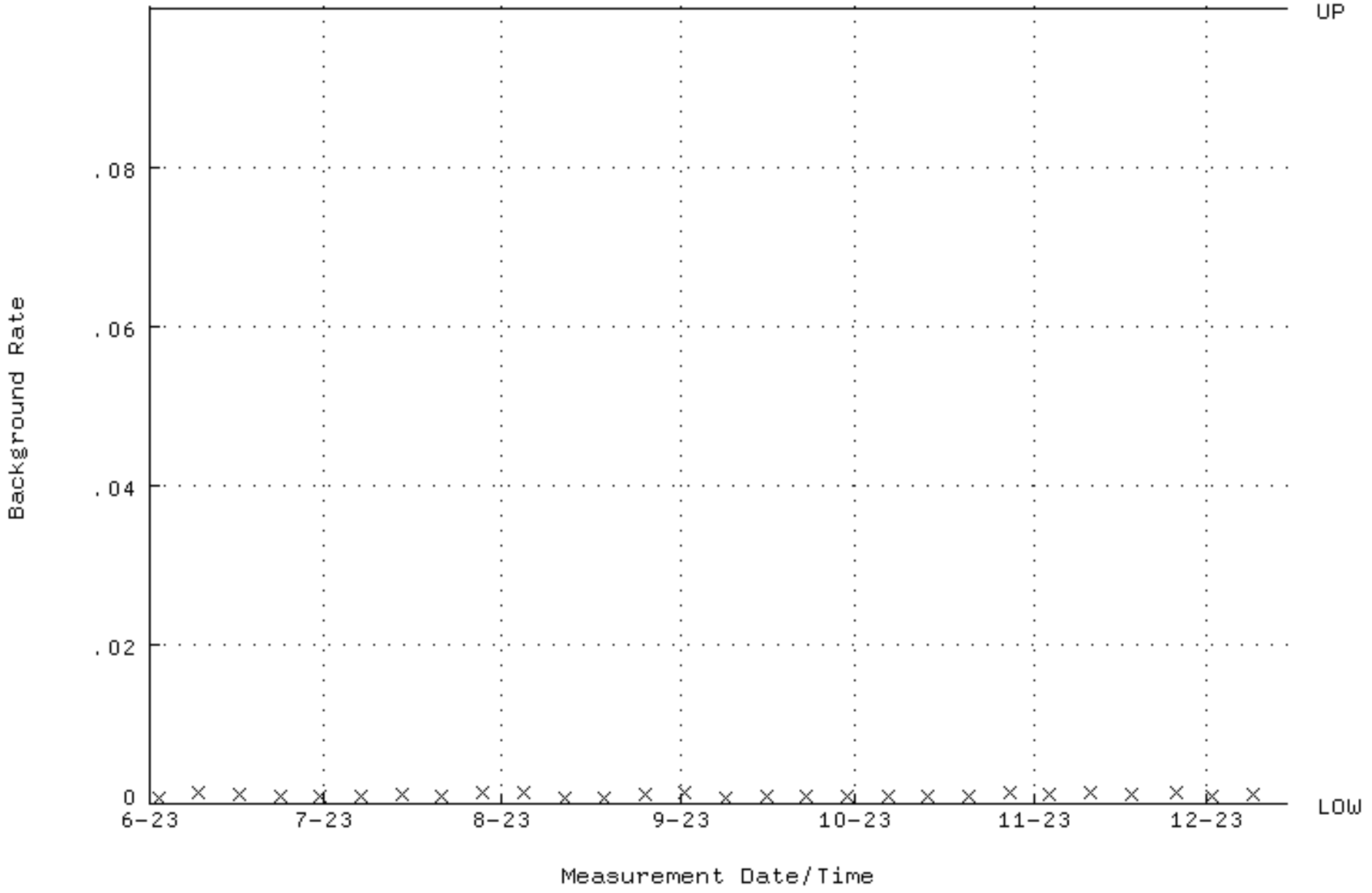
QA filename : DKA100:[ENV_ALPHA.QA.W]W117.QAF;6
Parameter Name : PSFWHM-GD148 (PEAK RESOLUTION GD-148)
Start/End Dates : 9-JUN-2023 11:04:35 through 14-DEC-2023 12:00:00
Lower/Upper Lmts: 5.00000 through 100.000



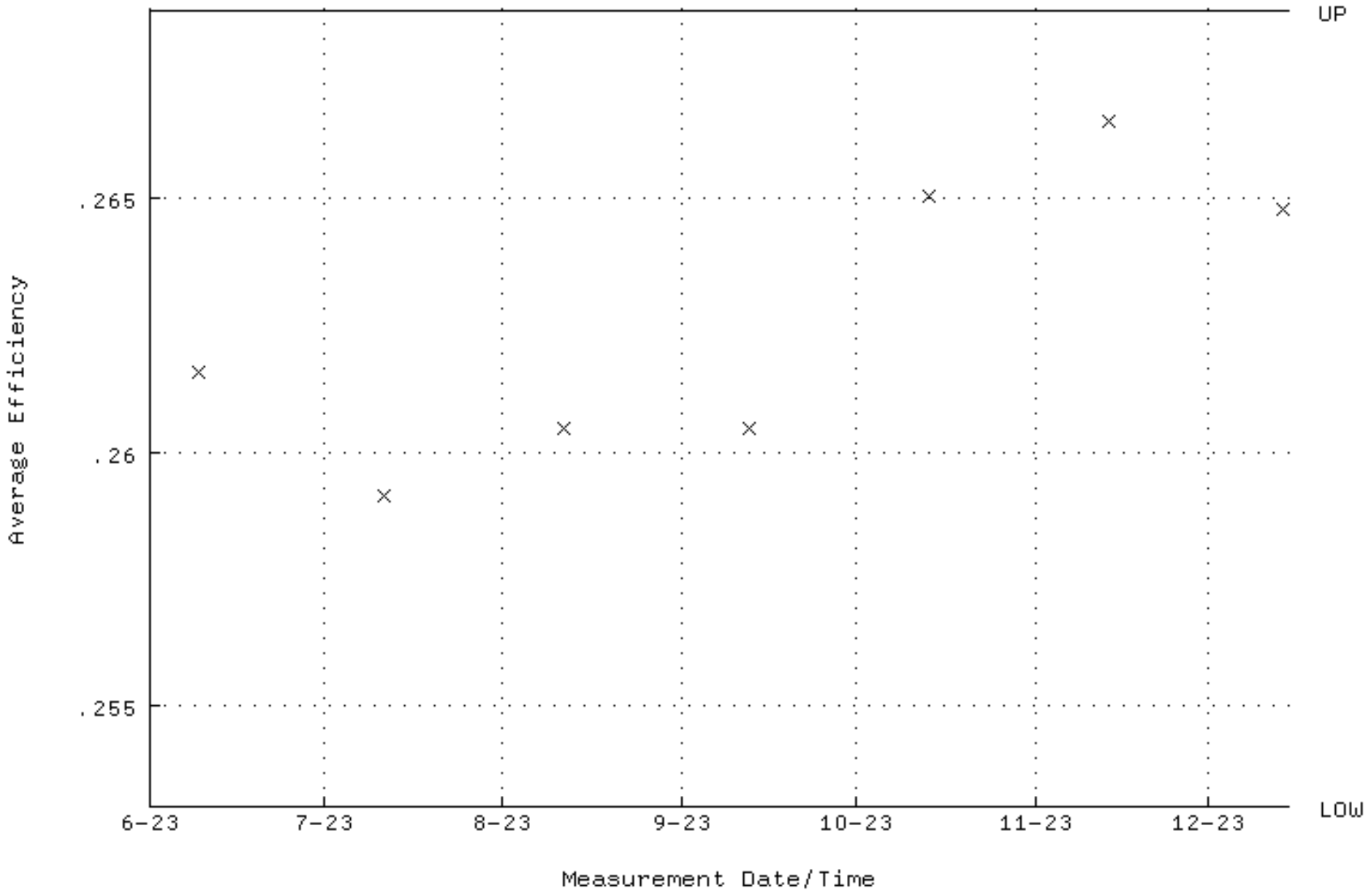
QA filename : DKA100:[ENV_ALPHA.QA.W]W117.QAF;6
Parameter Name : PSENERGY-GD148 (PEAK ENERGY GD-148)
Start/End Dates : 9-JUN-2023 11:04:35 through 14-DEC-2023 12:00:00
Lower/Upper Lmts: 3143.00 through 3223.00



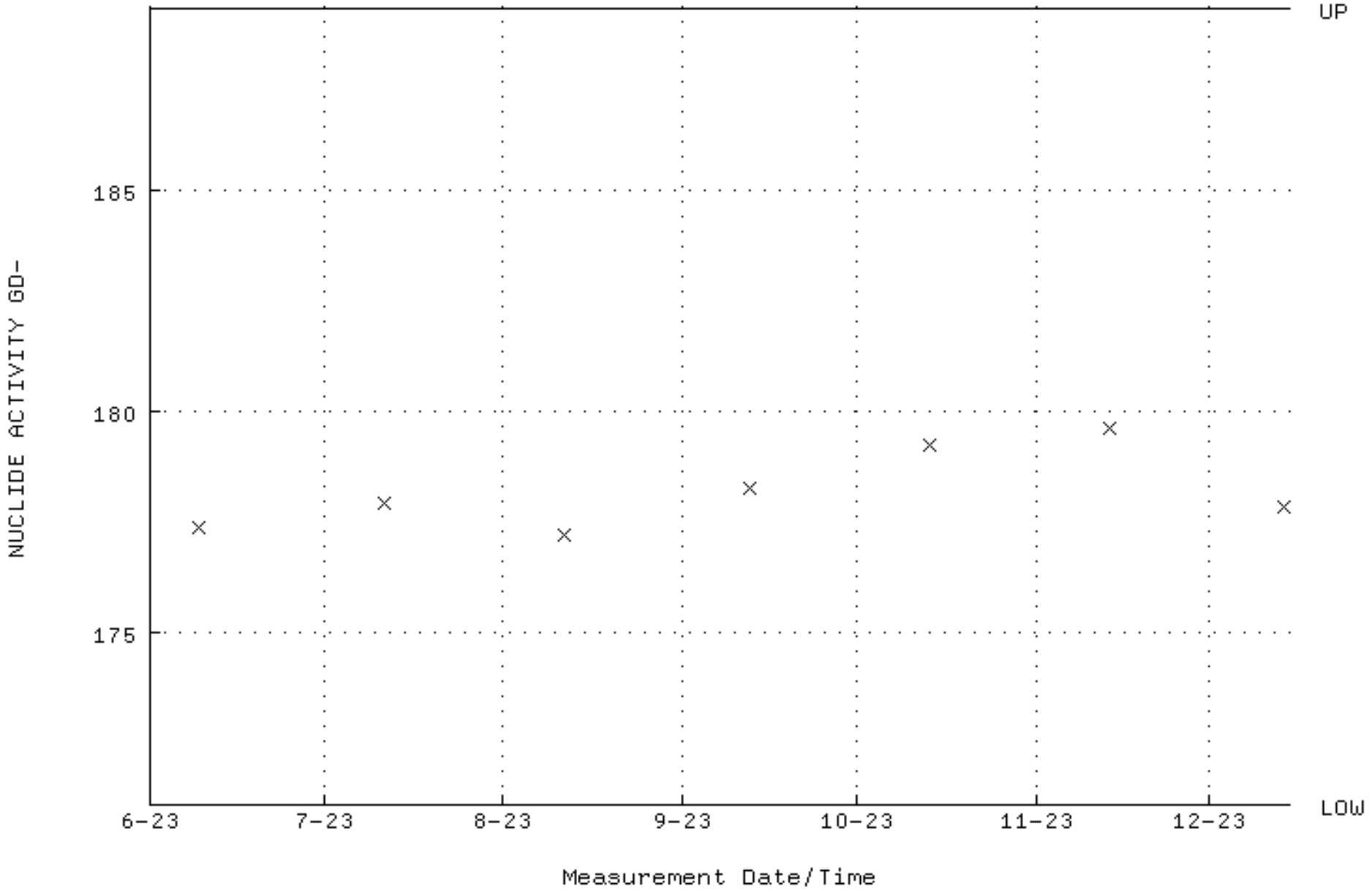
QA filename : DKA100:[ENV_ALPHA.QA.B]B117.QAF;4
Parameter Name : BACKRATE (Background Rate)
Start/End Dates : 2-JUN-2023 11:46:16 through 14-DEC-2023 12:00:00
Lower/Upper Lmts: 0.000000E+00 through 0.100000



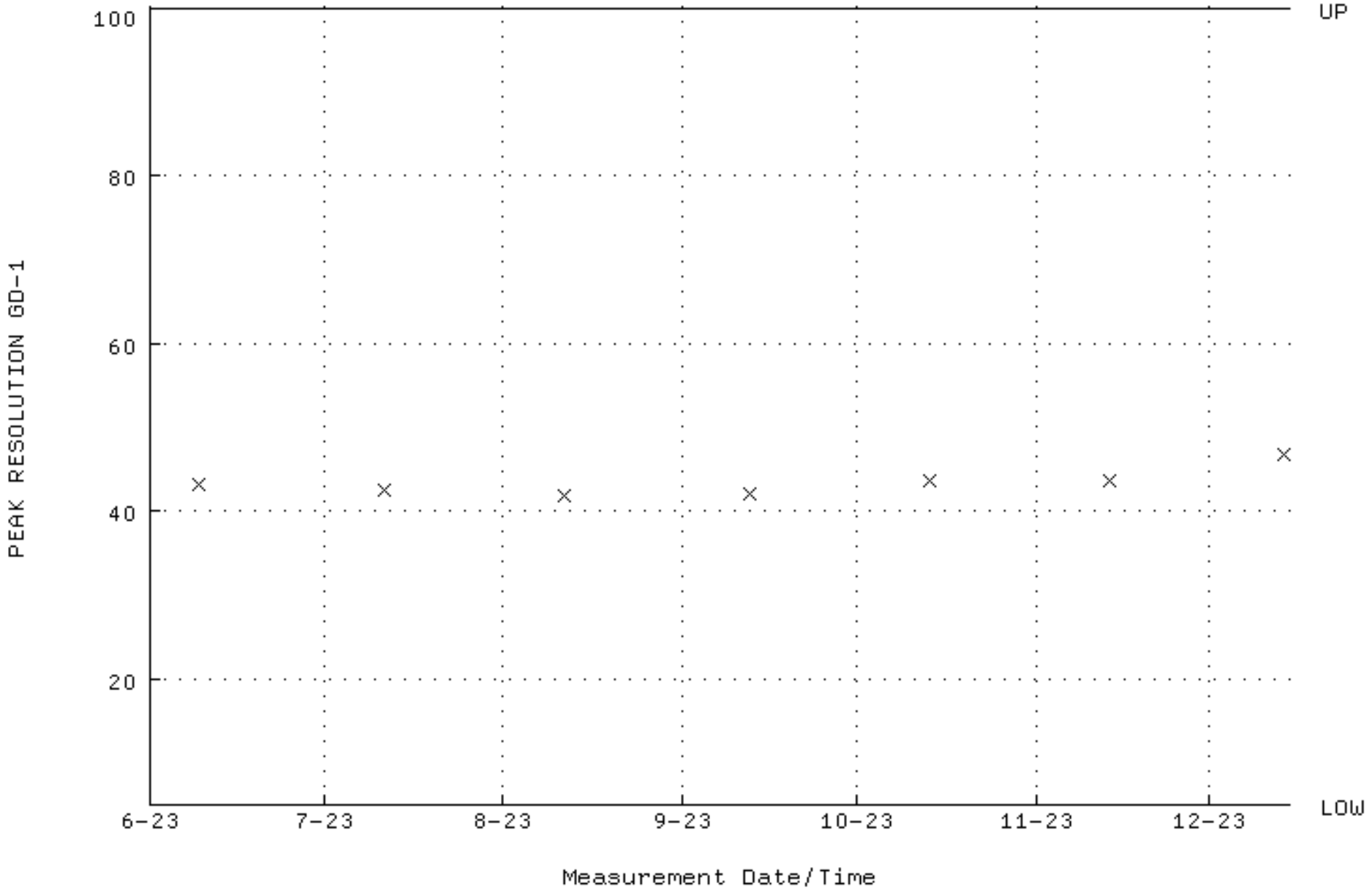
QA filename : DKA100:[ENV_ALPHA.QA.W]W131.QAF;7
Parameter Name : AVRGEFF (Average Efficiency)
Start/End Dates : 9-JUN-2023 09:47:42 through 14-DEC-2023 12:00:00
Lower/Upper Lmts: 0.253020 through 0.268680



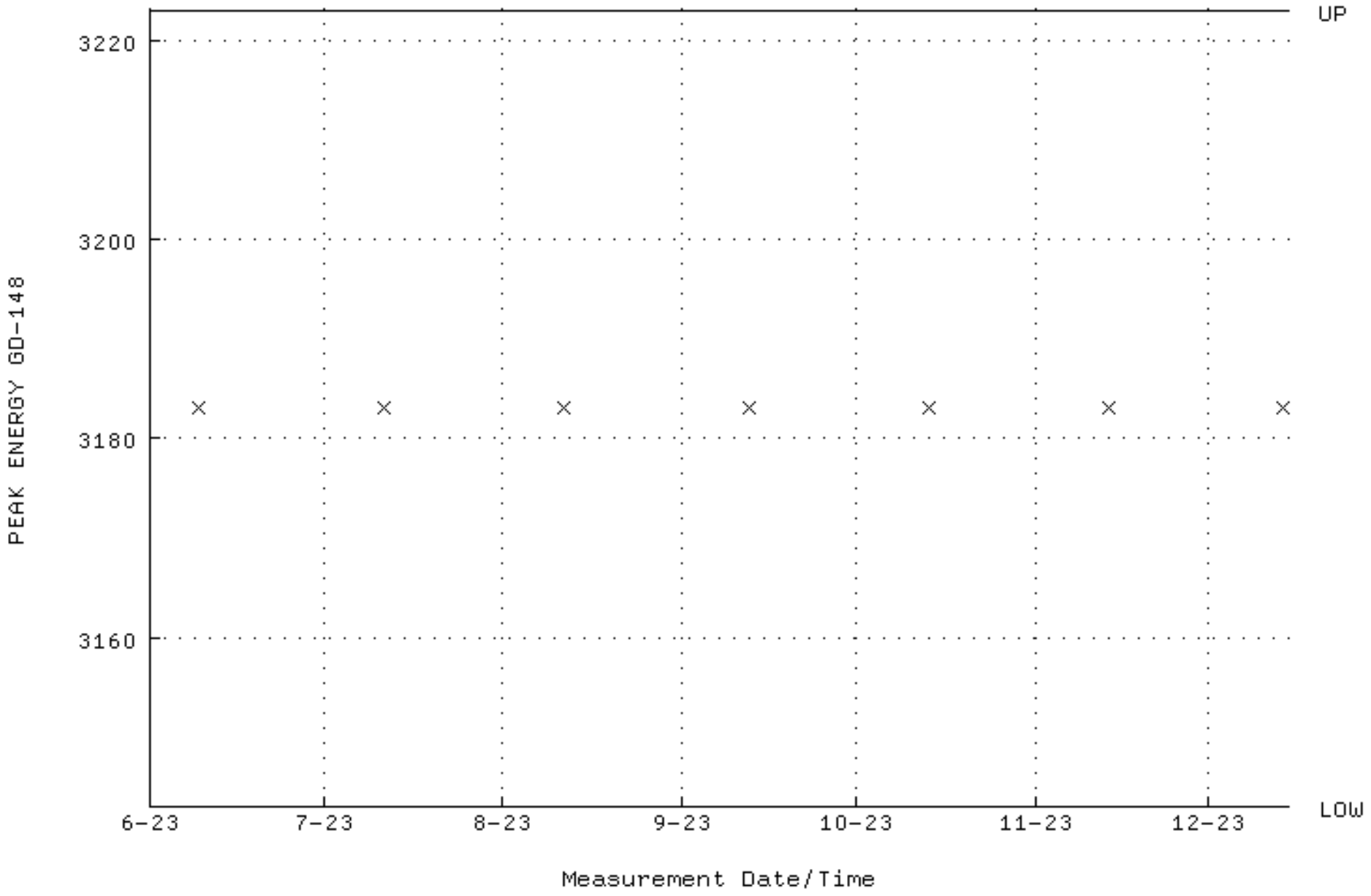
QA filename : DKA100:[ENV_ALPHA.QA.W]W131.QAF;7
Parameter Name : NLACTVTY-GD148 (NUCLIDE ACTIVITY GD-148)
Start/End Dates : 9-JUN-2023 09:47:42 through 14-DEC-2023 12:00:00
Lower/Upper Lmts: 171.090 through 189.100



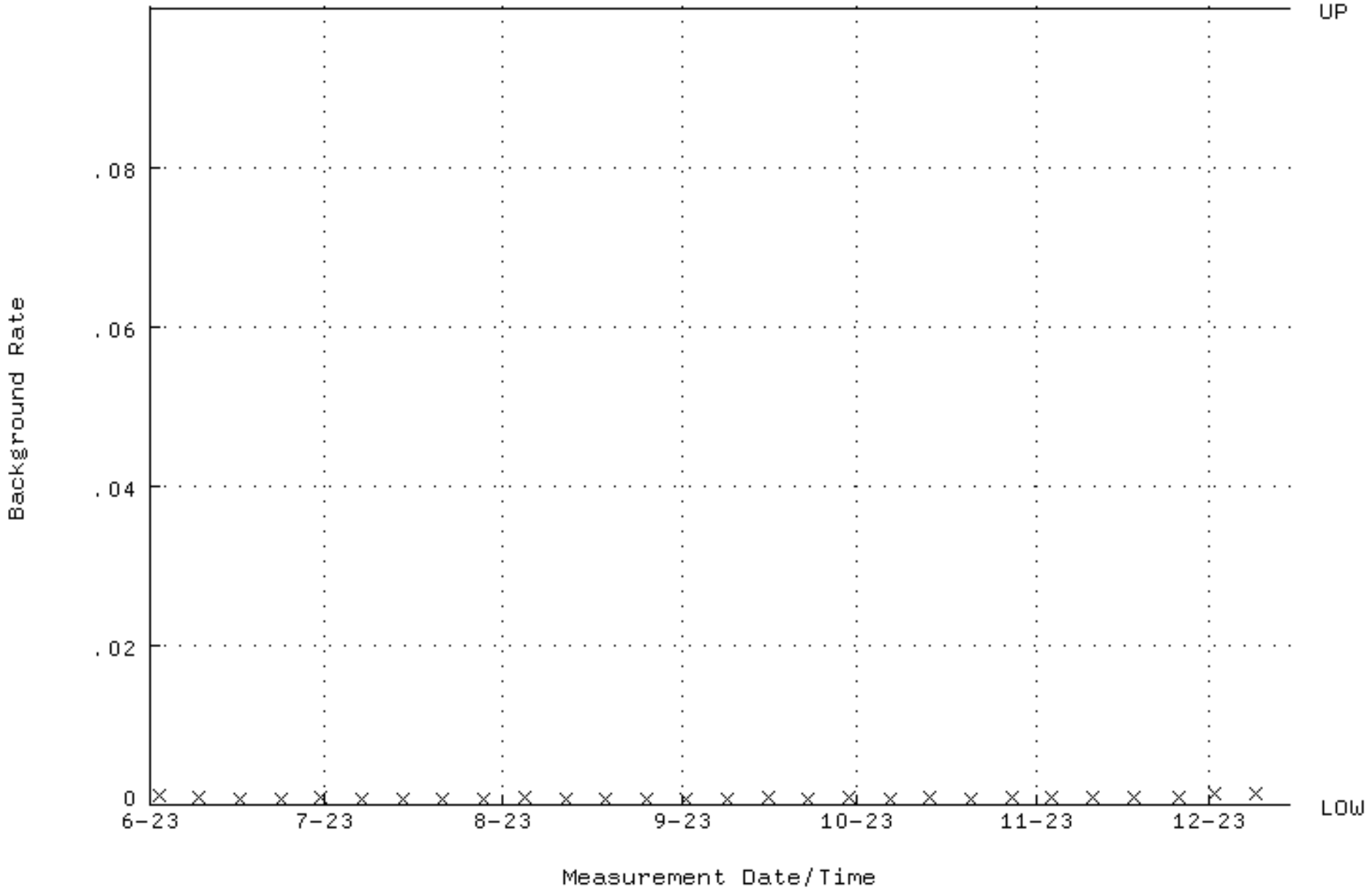
QA filename : DKA100:[ENV_ALPHA.QA.W]W131.QAF;7
Parameter Name : PSFWHM-GD148 (PEAK RESOLUTION GD-148)
Start/End Dates : 9-JUN-2023 09:47:42 through 14-DEC-2023 12:00:00
Lower/Upper Lmts: 5.00000 through 100.000



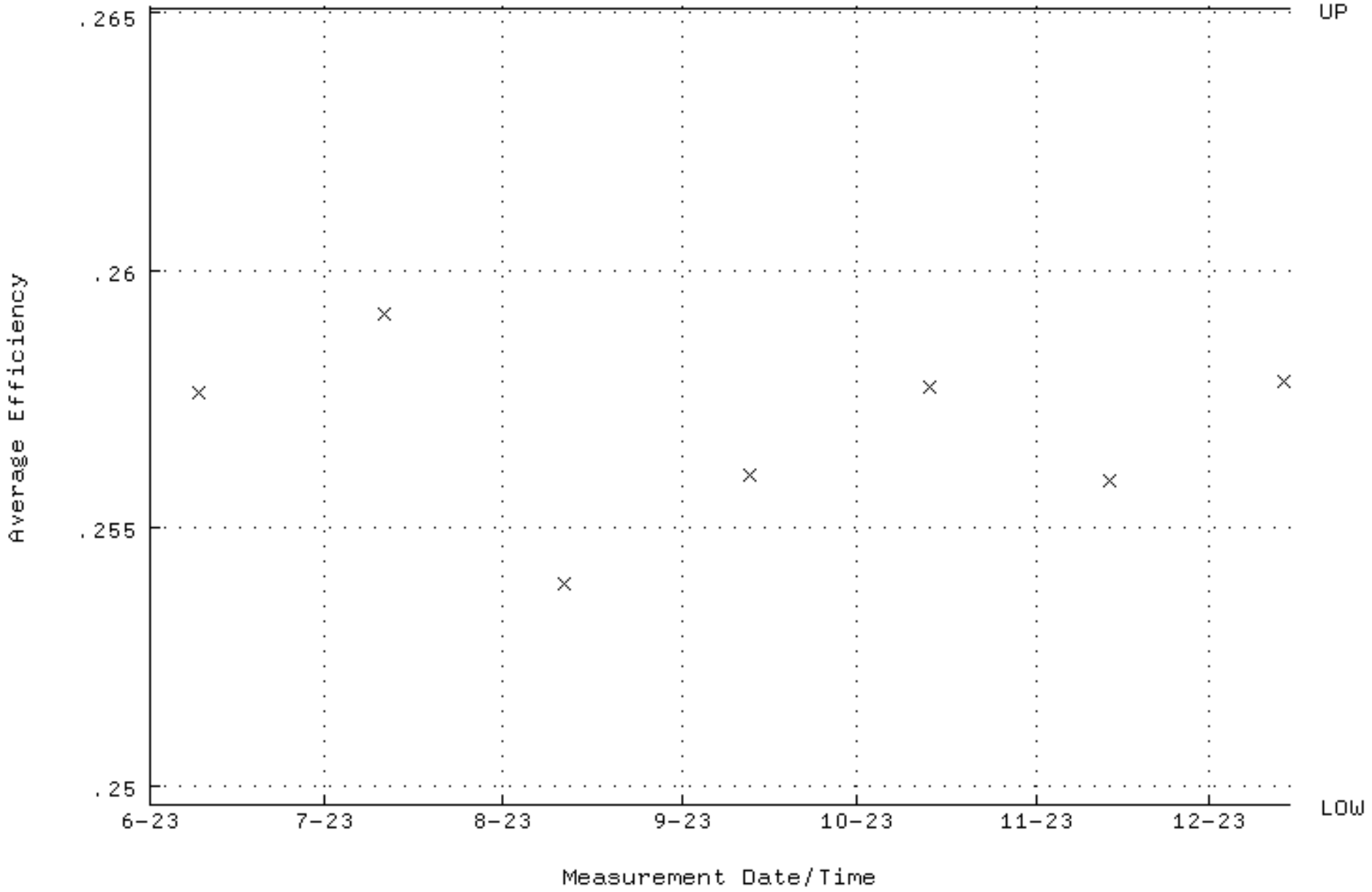
QA filename : DKA100:[ENV_ALPHA.QA.W]W131.QAF;7
Parameter Name : PSENERGY-GD148 (PEAK ENERGY GD-148)
Start/End Dates : 9-JUN-2023 09:47:42 through 14-DEC-2023 12:00:00
Lower/Upper Lmts: 3143.00 through 3223.00



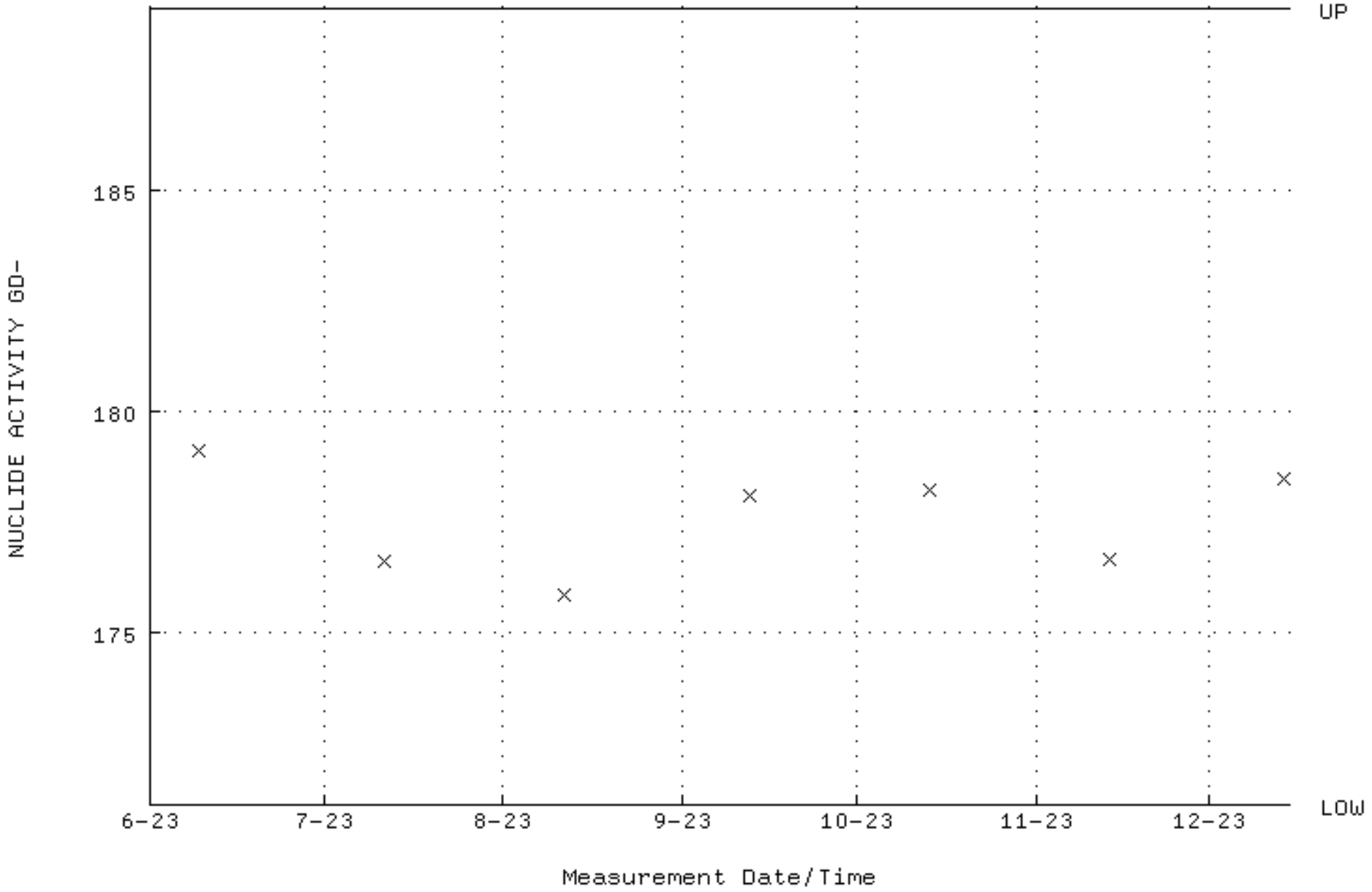
QA filename : DKA100:[ENV_ALPHA.QA.B]B131.QAF;4
Parameter Name : BACKRATE (Background Rate)
Start/End Dates : 2-JUN-2023 12:53:25 through 14-DEC-2023 12:00:00
Lower/Upper Lmts: 0.000000E+00 through 0.100000



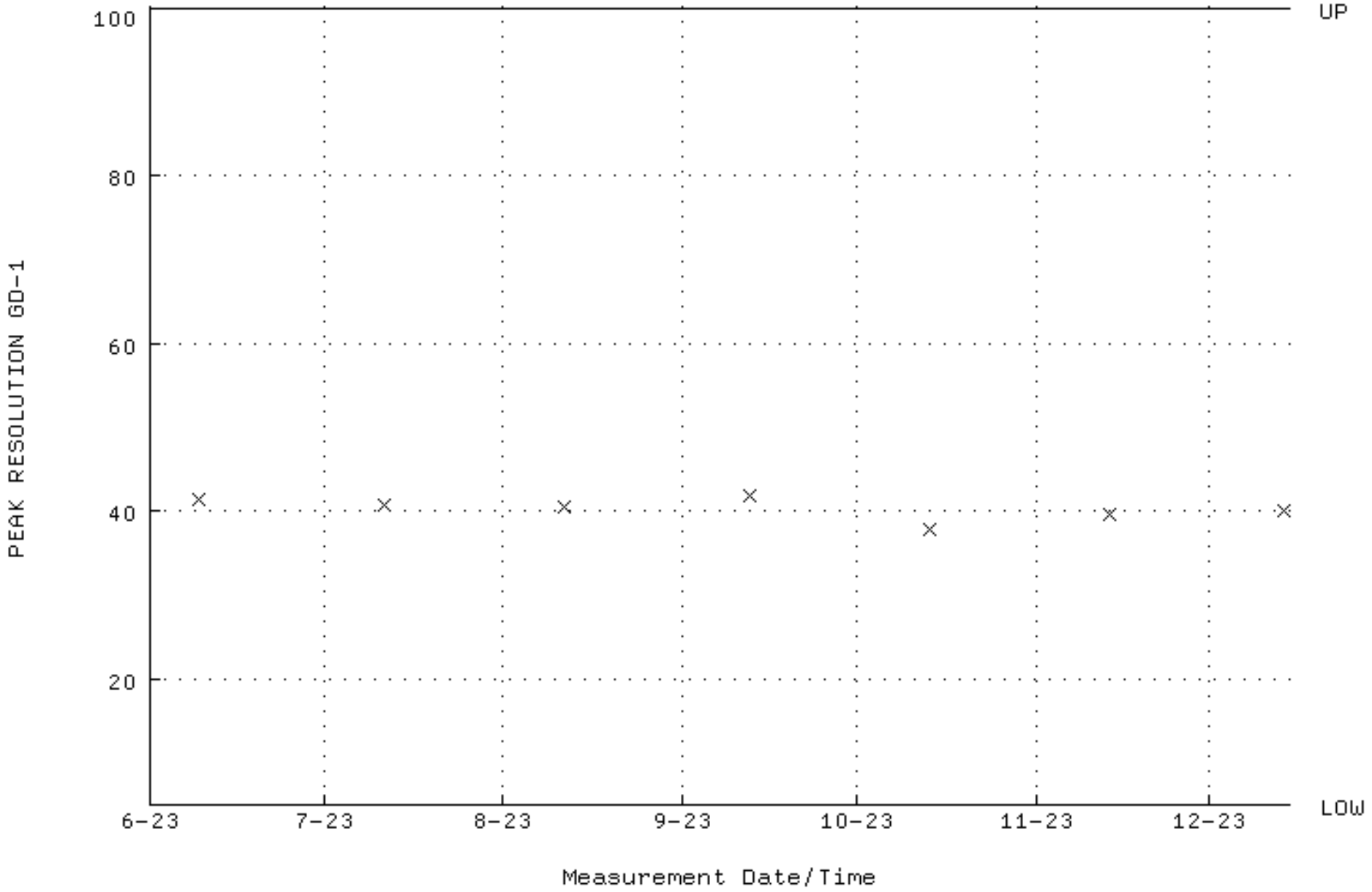
QA filename : DKA100:[ENV_ALPHA.QA.W]W133.QAF;6
Parameter Name : AVRGEFF (Average Efficiency)
Start/End Dates : 9-JUN-2023 09:02:35 through 14-DEC-2023 12:00:00
Lower/Upper Lmts: 0.249630 through 0.265070



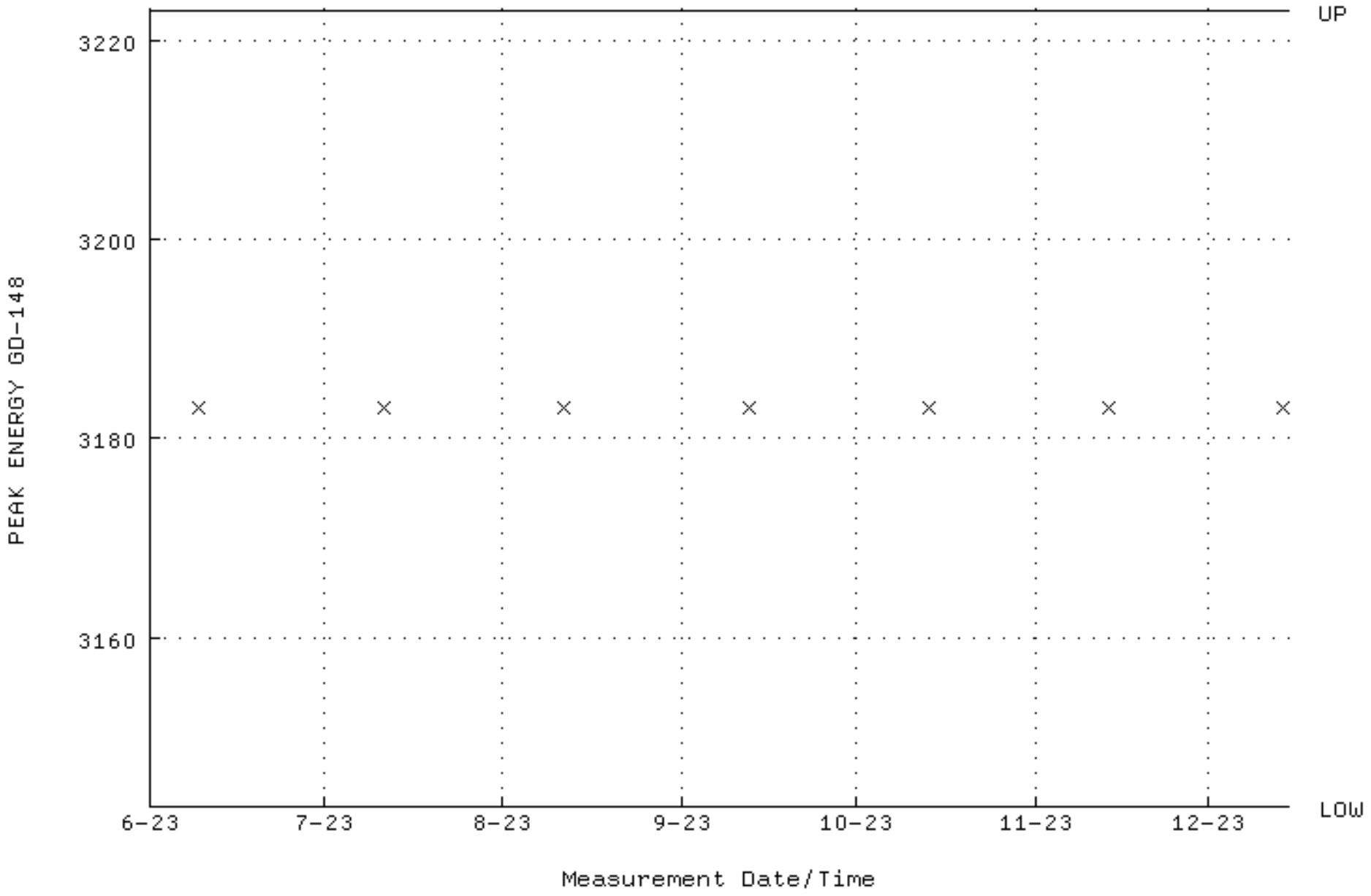
QA filename : DKA100:[ENV_ALPHA.QA.W]W133.QAF;6
Parameter Name : NLACTVTY-GD148 (NUCLIDE ACTIVITY GD-148)
Start/End Dates : 9-JUN-2023 09:02:35 through 14-DEC-2023 12:00:00
Lower/Upper Lmts: 171.090 through 189.100



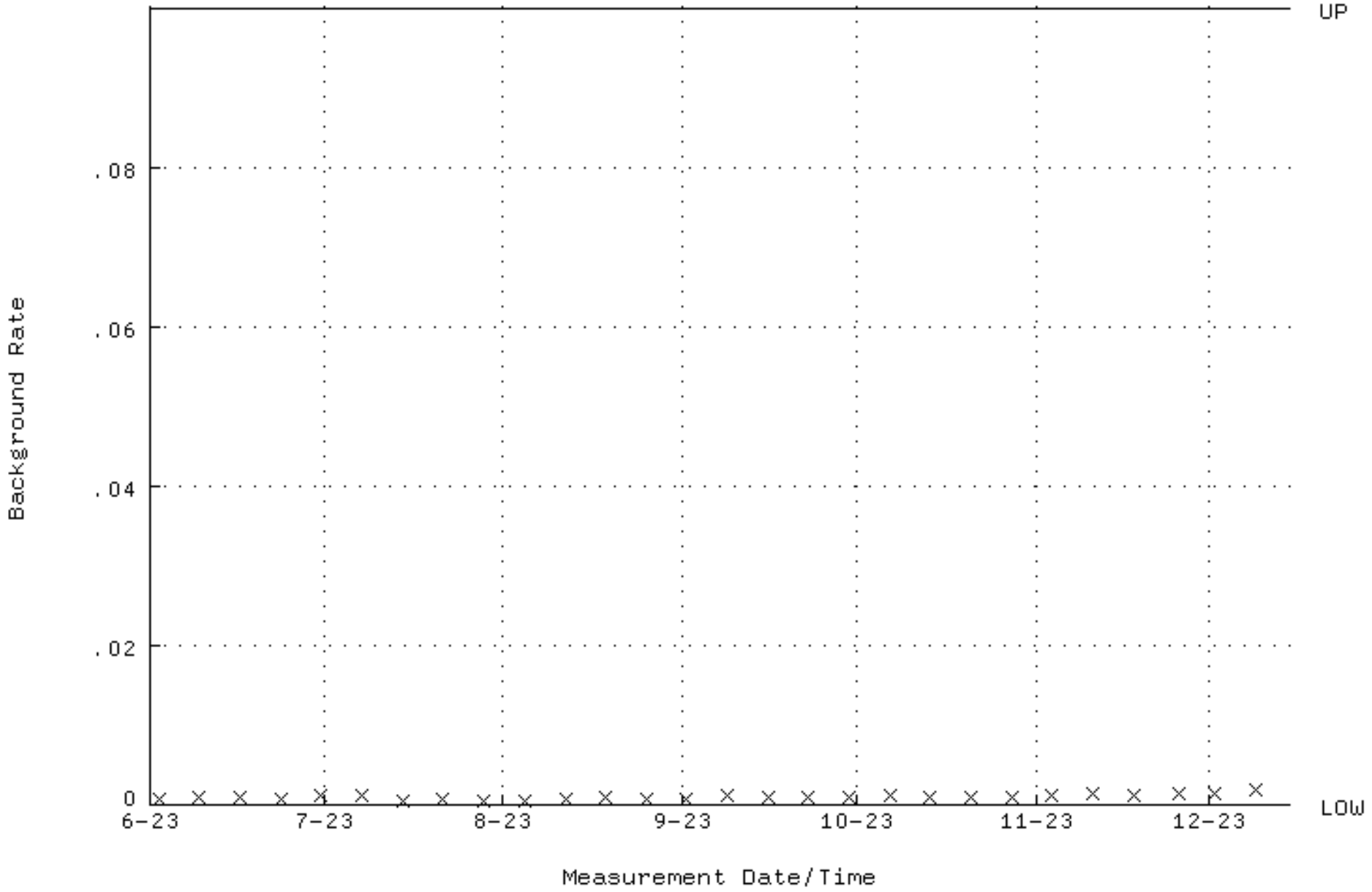
QA filename : DKA100:[ENV_ALPHA.QA.W]W133.QAF;6
Parameter Name : PSFWHM-GD148 (PEAK RESOLUTION GD-148)
Start/End Dates : 9-JUN-2023 09:02:35 through 14-DEC-2023 12:00:00
Lower/Upper Lmts: 5.00000 through 100.000



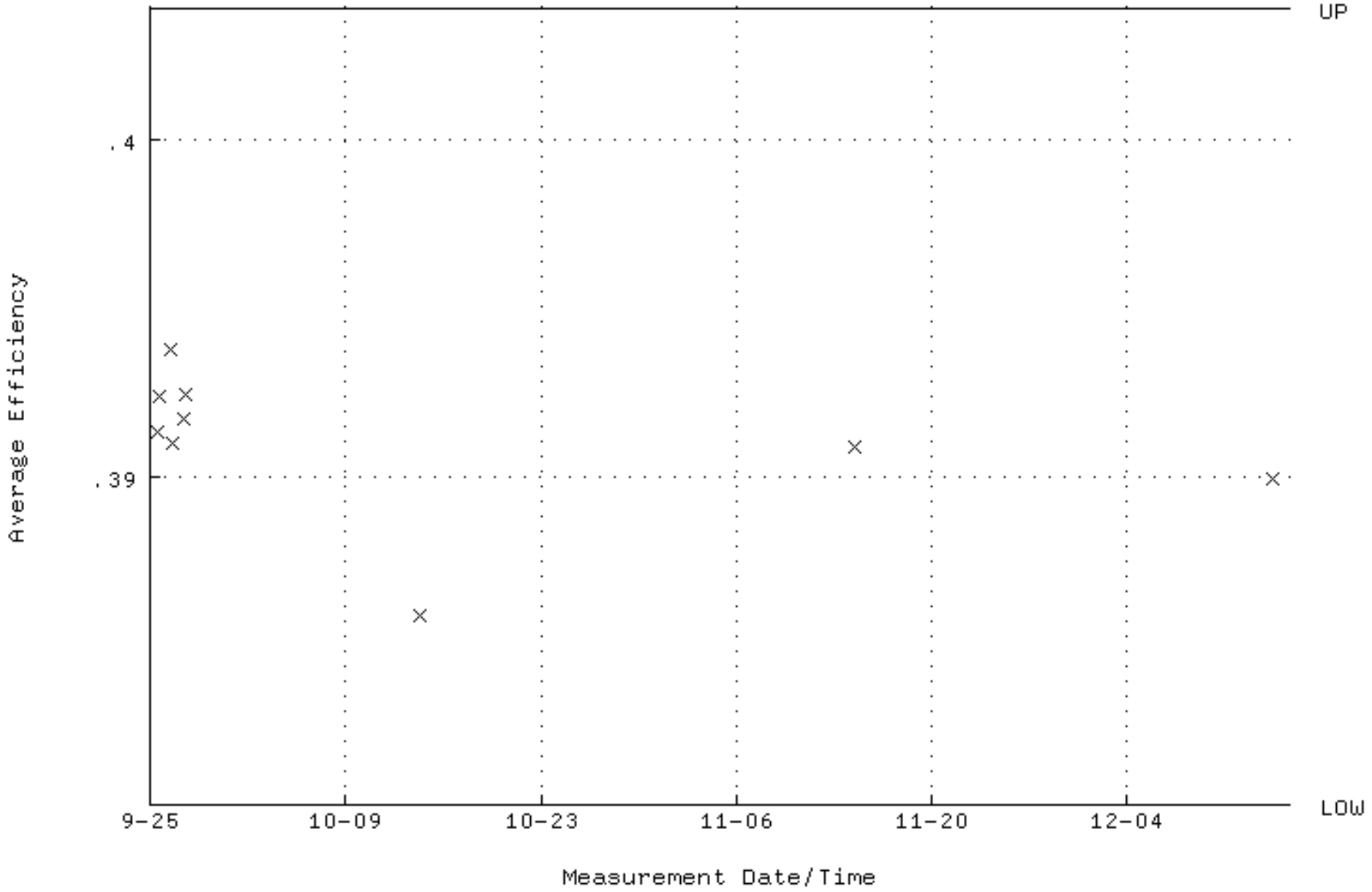
QA filename : DKA100:[ENV_ALPHA.QA.W]W133.QAF;6
Parameter Name : PSENERGY-GD148 (PEAK ENERGY GD-148)
Start/End Dates : 9-JUN-2023 09:02:35 through 14-DEC-2023 12:00:00
Lower/Upper Lmts: 3143.00 through 3223.00



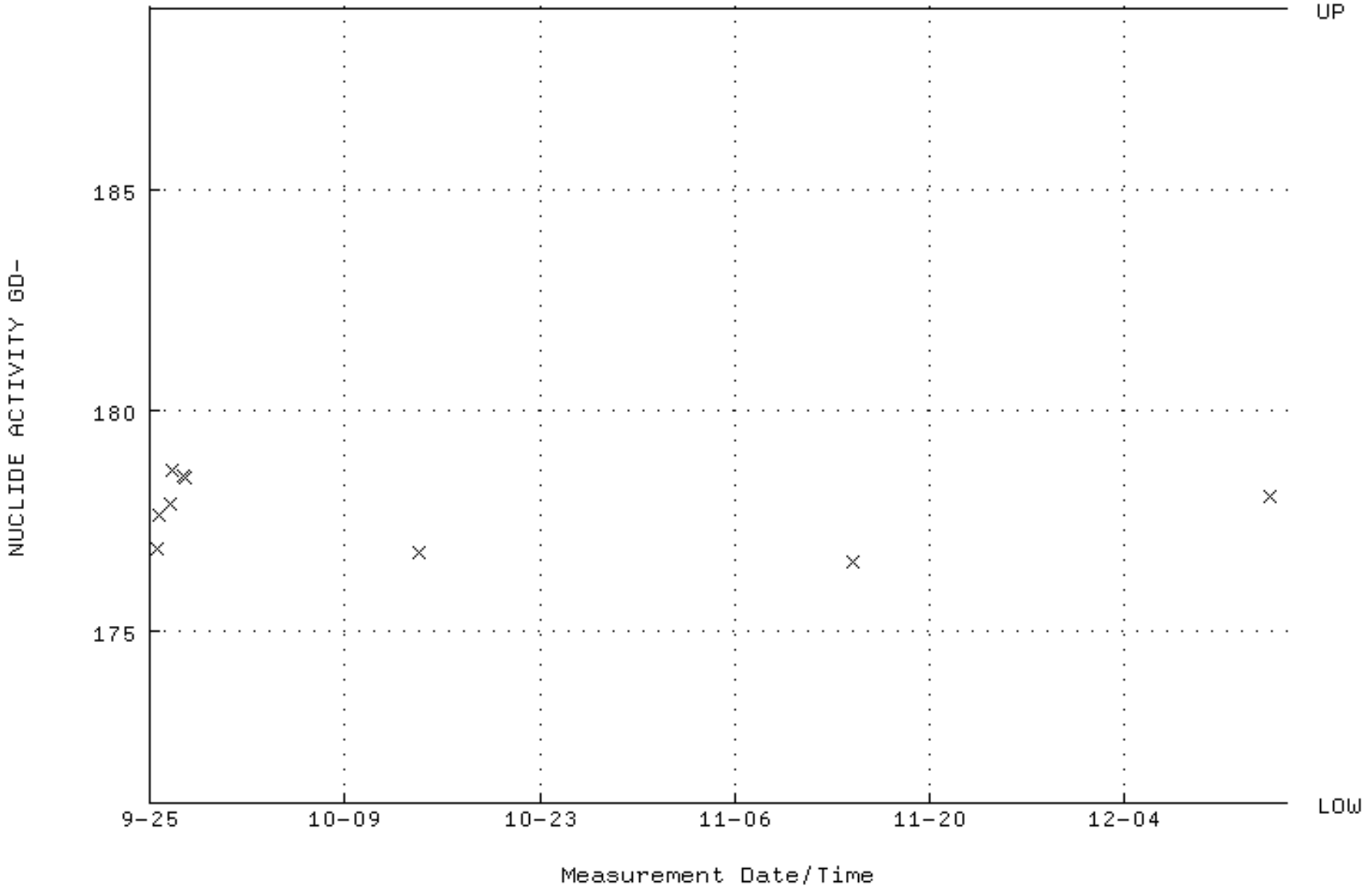
QA filename : DKA100:[ENV_ALPHA.QA.B]B133.QAF;12
Parameter Name : BACKRATE (Background Rate)
Start/End Dates : 2-JUN-2023 12:53:37 through 14-DEC-2023 12:00:00
Lower/Upper Lmts: 0.000000E+00 through 0.100000



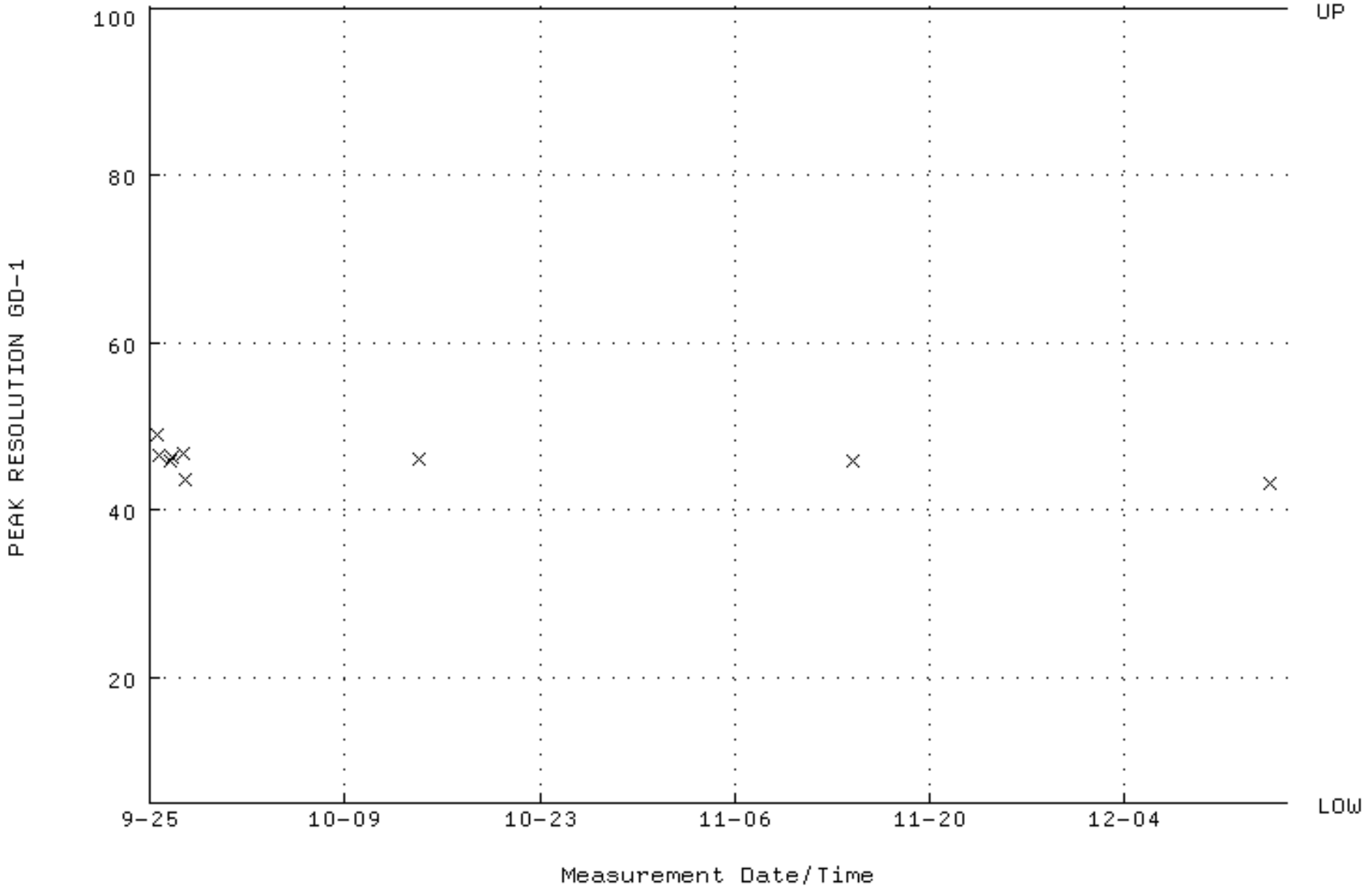
QA filename : DKA100:[ENV_ALPHA.QA.W]W158.QAF;4
Parameter Name : AVRGEFF (Average Efficiency)
Start/End Dates : 25-SEP-2023 12:23:55 through 15-DEC-2023 12:00:00
Lower/Upper Lmts: 0.380330 through 0.403860



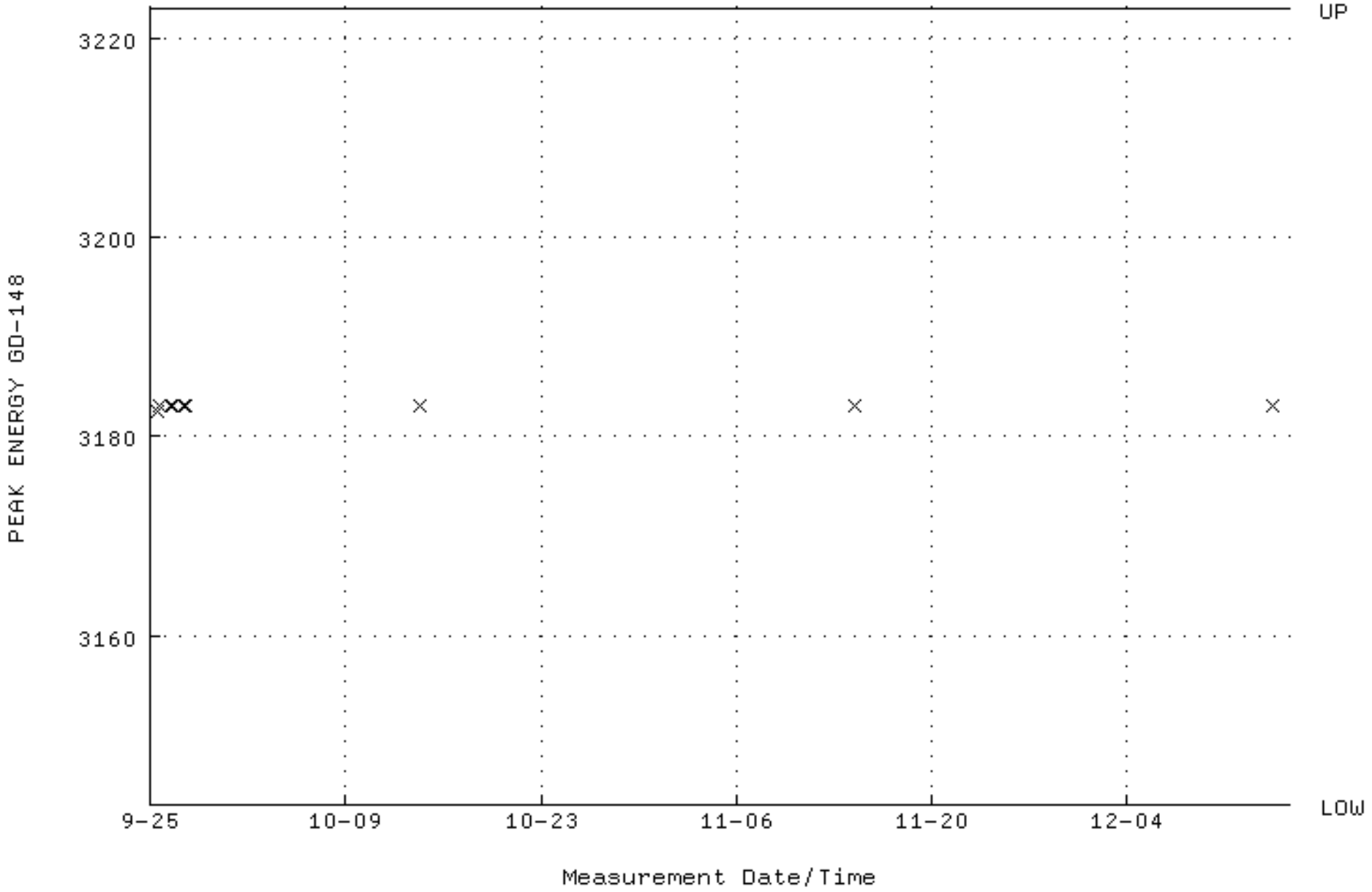
QA filename : DKA100:[ENV_ALPHA.QA.W]W158.QAF;4
Parameter Name : NLACTVTY-GD148 (NUCLIDE ACTIVITY GD-148)
Start/End Dates : 25-SEP-2023 12:23:55 through 15-DEC-2023 12:00:00
Lower/Upper Lmts: 171.090 through 189.100



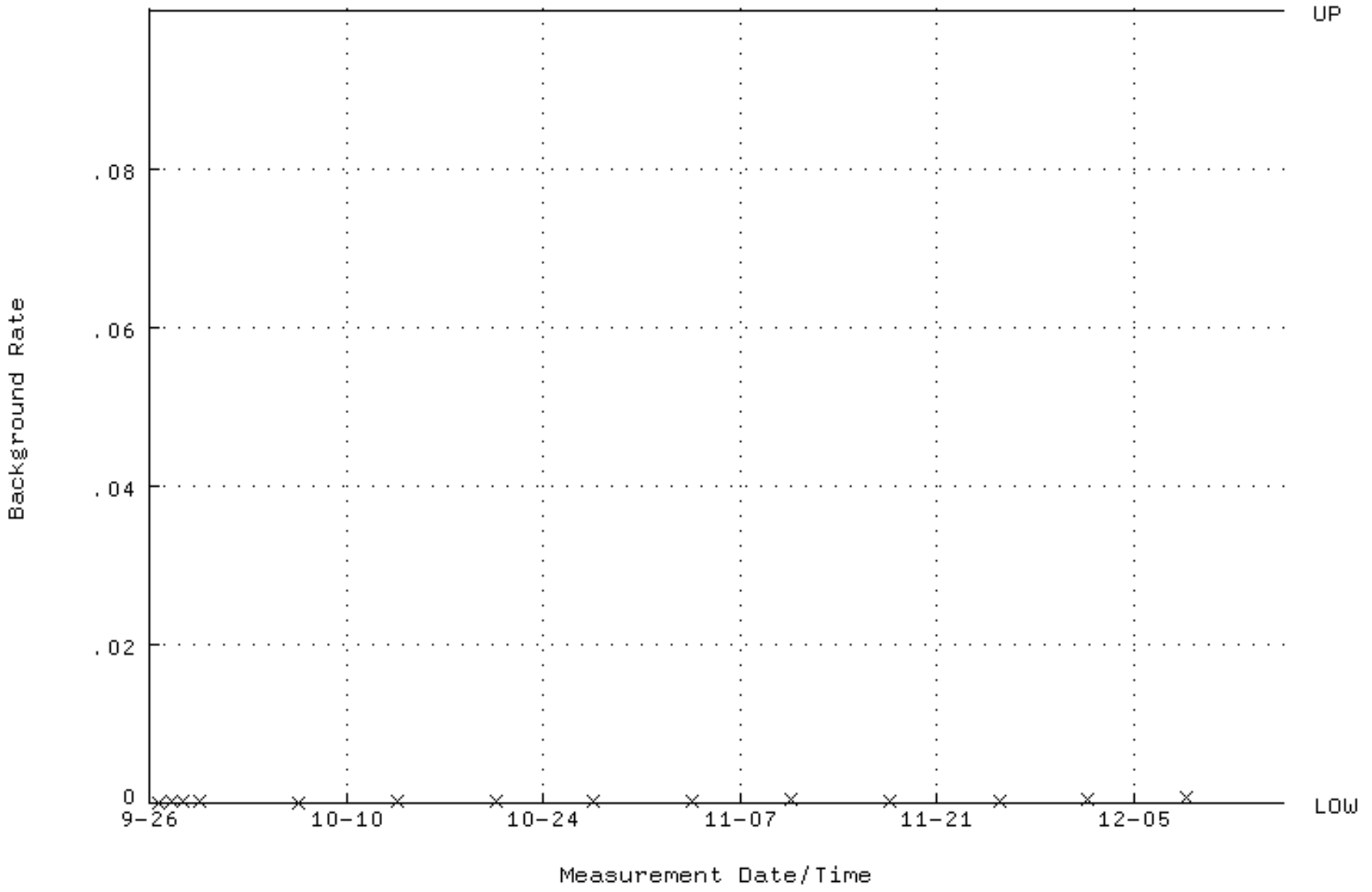
QA filename : DKA100:[ENV_ALPHA.QA.W]W158.QAF;4
Parameter Name : PSFWHM-GD148 (PEAK RESOLUTION GD-148)
Start/End Dates : 25-SEP-2023 12:23:55 through 15-DEC-2023 12:00:00
Lower/Upper Lmts: 5.00000 through 100.000



QA filename : DKA100:[ENV_ALPHA.QA.W]W158.QAF;4
Parameter Name : PSENERGY-GD148 (PEAK ENERGY GD-148)
Start/End Dates : 25-SEP-2023 12:23:55 through 15-DEC-2023 12:00:00
Lower/Upper Lmts: 3143.00 through 3223.00



QA filename : DKA100:[ENV_ALPHA.QA.B]B158.QAF;4
Parameter Name : BACKRATE (Background Rate)
Start/End Dates : 26-SEP-2023 16:38:56 through 15-DEC-2023 12:00:00
Lower/Upper Lmts: 0.000000E+00 through 0.100000



RAD Standards Traceability

Eckert & Ziegler

Analytics

1845

1380 Seaboard Industrial Blvd.
Atlanta, Georgia 30318
Tel 404·352·8677
Fax 404·352·2837
www.ezag.com

Received: 12-1-17 12:00

CERTIFICATE OF CALIBRATION

Standard Reference Source

SRS Number: 108018
Source Description: 5 mL Liquid in Flame Sealed Ampoule
Product Code: 8229
Customer: GEL Laboratories LLC
P.O. Number: GEL1718798, Item 1

This standard radionuclide source was prepared gravimetrically from a master solution calibrated by Eckert & Ziegler Analytics (EZA). The master solution was calibrated by liquid scintillation counting. Radionuclide calibration and purity were checked by germanium gamma-ray spectrometry, liquid scintillation counting, and/or alpha spectrometry, as applicable. The nuclear decay rate and reference date for this source are given below. EZA maintains traceability to the National Institute of Standards and Technology (NIST) through a Measurements Assurance Program as described in USNRC Regulatory Guide 4.15, Revision 2, July 2007, and compliance with ANSI N42.22-1995, "Traceability of Radioactive Sources to NIST."

Reference Date: 29-November-2017 12:00 PM EST

Isotope	Half-Life, d	Activity, Bq	Uncertainty u_A, %	Uncertainty u_B, %	Uncertainty U, %*	Calibration Method**
Th-229	2.897E+06	1.999E+04	0.5	1.5	3.1	4π LS

***Uncertainty:** U - Relative expanded uncertainty, k = 2. See NIST Technical Note 1297, "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results." ****Calibration Methods:** 4π LS - 4π Liquid Scintillation Counting, HPGe - High Purity Germanium Gamma-Ray Spectrometer, IC - Ionization Chamber.

(Certificate continued on reverse side)

Corporate Office
24937 Avenue Tibbitts Valencia, California 91355

Laboratory

SRS Number: 108018

Comments:

5.21561 g of 0.5 M HNO_3 solution, carrier free.

Impurities:

γ-impurities (other than decay products) < 0.1%

α-impurities: Th-228 6.6E+00 Bq, Th-230 1.2E+02 Bq, Th-232 8.0E+00 Bq

This source was wipe tested in its inactive areas with leak test results < 185 Bq (5 nCi) of removable activity per ISO 9978:1992.

Source Prepared by: K. L. _____

K. Hardley, Radiochemist

QC Approved by: _____ Date: 27-Nov-17

J. Lahr, Spectroscopist

Standard Logbook

Serial ID:	1845	**Open/Reference Date:**	29-NOV-17	**Aliquot :**	5.21561 g
Name:	Thorium-229	**Received:**	01-DEC-17	**Density :**	Hand Calculated
Type:	Source Material	**Expires:**	01-DEC-18	**Logbook Num :**	GL-CED-297-138
Employee:	Tim Chandler			**Lot Number :**	108018
Supplier:	Eckert & Ziegler			**Solvent :**	0.5M HNO3
				Uncertainty :	1.55 percent

Description: 1 ampoule

Comments: None

Analyte	Concentration	Analyte	Concentration
Thorium-229	19990 Bq		

Standard Traceability Log Rad

Source Material Info	
Parent Code:	1845
Prepared By:	Tim Chandler
Carrier Conc:	0.5M HNO3
Reference Date:	11/29/2017
Ampoule Mass (g):	5.21561 g
Uncertainty:	+/- 1.55 %
LogBook No:	GL-CED-297-138
Supplier:	Eckert & Ziegler

A Solution Material Info			
Isotope:	Thorium-229		
Prepared By:	Tim Chandler		
Prep Date:	06/08/2018		
Verification Date:	06/27/2023		
Expiration Date:	06/27/2024		
Primary Code:	1845-A		
Dilution(mL):	100 mL		
Mass of Parent(g):	5.1906 g		
Density(g/mL):	1.0291	Balance ID:	B733529066

Calculations Converting parent activity to dpm/mL|dpm/g

(Mass of parent(g)) * (Parm Activity (Bq)) * (conversion dpm to Bq) / (Ampoule Mass(g) *(Dilution Vol)) = Parent Activity (dpm/mL)
(Mass of parent(g)) * (Parm Activity (Bq)) * (conversion dpm to Bq) / Density / (Ampoule Mass (g) * (Dilution Vol)) = Parent Activity (dpm/g)
(5.1906 g) * (19990 Bq) * (60 dpm/Bq) / (5.21561 g * 100 mL) = 11936.4861 dpm/mL
(5.1906 g) * (19990 Bq) * (60 dpm/Bq) / (1.0291 g/mL)/ (5.21561 g * 100 mL) = 11598.7987 dpm/g

Secondary Standards

Prep Date	Preparer	Mass Primary	Dilution (mL)	Code	Conc dpm/mL	Verification Date	Expiration Date
06/08/2018	Tim Chandler	2.0385	1000	1845-B	23.6442 dpm/mL	06/01/2020	06/01/2021
07/10/2019	Tim Chandler	4.0198	1000	1845-C	46.62485 dpm/mL	07/07/2020	07/07/2021
10/26/2020	Tim Chandler	4.0184	1000	1845-D	46.6086 dpm/mL	10/27/2020	10/27/2021
04/23/2021	Tim Chandler	4.2911	1000	1845-E	49.7716 dpm/mL	04/26/2021	04/26/2022
11/10/2021	Matelon DeFreese	4.211	1000	1845-F	48.8425 dpm/mL	11/10/2021	11/10/2022
05/11/2022	Matelon DeFreese	4.1951	1000	1845-G	48.6581 dpm/mL	05/12/2022	05/11/2023
01/11/2023	Matelon DeFreese	4.1664	1000	1845-H	48.3252 dpm/mL	01/11/2023	01/11/2024
06/27/2023	Matelon DeFreese	4.1464	1000	1845-I	48.093259 dpm/mL	06/27/2023	06/27/2024

01/11/2023	Tim Chandler	4.1664	1000	2073-A	48.3252 dpm/mL	01/11/2023	01/11/2024
01/11/2023	Tim Chandler	4.1664	1000	2074-A	48.3252 dpm/mL	01/11/2023	01/11/2024

GEL Laboratories LLC
Version 1.0 9/18/2000

Verification for Th-229 Standard 1845-I

v1.2

Analyst	MXS2
Verification Prep Date	6/27/2023

Tracer Information	
Isotope	Th-232
Serial Number	1513-J
Amount of Std. (mL)	0.2
Expiration Date	4/25/2024

Standard Information	
Isotope	Th-229
Serial Number	1845-I
Isotope Halflife	7.3400E+03 Y
Reference Date	11/29/2017
Ref. Act. (dpm/mL)	48.093259
Amount of Std. (mL)	0.2
Standard Prep Date	6/27/2023

Std #	Count Date	Activity pCi	Standard dpm/mL
1	6/28/2023	4.260	47.29
2	6/27/2023	4.470	49.62
3	6/27/2023	4.490	49.84
	Mean Value =	4.407	48.914
	Stdev =	0.127410099	1.414252099

	pCi	dpm/mL
Certificate Value* =	**4.3304**	**48.0679**
Two sigma =	0.2548	2.8285
10 % of Mean =	0.4407	4.8914
Rule A (Pass/Fail)	**Pass**	**Pass**
% Recovery	101.76%	101.76%
Rule B (Pass/Fail)	**Pass**	**Pass**
Expiration Date	**6/27/2024**	

Verification Rules

Rule A = The two sigma value used for the 95% confidence interval shall not exceed 10% of the mean value of the three verification measurements.

Rule B = The determined mean value shall be within 5% of the certificate value.

*** Certificate Value is decay corrected to Verification Prep Date.**

The analyst prepared three standard verification sources for Th-229 standard 1845-I using 0.2 mL for each source. Each standard was combined with 0.2 mL of Th-232 standard 1513-J and was diluted in a centrifuge tube containing 4 mL 2M HCl, diluted to 40 mL with DI water. 0.1 mL of neodymium carrier and 5 mL of 48% HF was added to precipitate neodymium (and Thorium) fluoride. After 30 minutes, each sample was filtered following routine procedures for alpha spectroscopy source preparation. Each source was counted using routine alpha spec procedures. DPM values for Th-229 were calculated by comparison to Th-232 certified values.

6/30/23

Eckert & Ziegler
Isotope Products

24937 Avenue Tibbitts
Valencia, California 91355

Tel 661•309•1010
Fax 661•257•8303

~~1506~~ 1513
32-11/30/10

RECEIVED
10/14/10 23
21

CERTIFICATE OF CALIBRATION
ALPHA STANDARD SOLUTION

Radionuclide:	Th-232	**Customer:**	GEL LABORATORIES, LLC
Half-life:	(1.405 ± 0.006)E+10 years	**P.O. No.:**	7347RD
Catalog No.:	7232	**Reference Date:**	1-Nov-10 12:00 PST
Source No.:	1451-62	**Contained Radioactivity: (Th-232 only)**	50.26 **nCi** 1860 **Bq**

Physical Description:

A. Mass of solution:	5.73256 g in 5 mL flame-sealed ampoule
B. Chemical form:	$Th(NO_3)_4$ in H_2O
C. Carrier content:	None
D. Density:	1.15 g/mL @ 20°C

Radioimpurities:

Not determined

Radionuclide Concentration: 8.767 nCi/g, 324.4 Bq/g

Method of Calibration:

Activity calculations are based upon known specific activity and mass.

Uncertainty of Measurement:

A. Type A (random) uncertainty:	±	0.0	%
B. Type B (systematic) uncertainty:	±	3.0	%
C. Uncertainty in aliquot weighing:	±	0.0	%
D. Total uncertainty at the 99% confidence level:	±	3.0	%

Notes:

- See reverse side for leak test(s) performed on this source.
- EZIP participates in a NIST measurement assurance program to establish and maintain implicit traceability for a number of nuclides, based on the blind assay (and later NIST certification) of Standard Reference Materials (as in NRC Regulatory Guide 4.15).
- Nuclear data was taken from NCRP Report No. 58, 1985.
- This solution has a working life of 5 years.

David James Van Dalsem
Quality Control

15-OCT-10
Date

EZIP Ref. No.: 1451-62

RC-S-060-058

Standard Logbook

Serial ID:	1513	**Open/Reference Date:**	01-NOV-10	**Aliquot :**	5.73256 g
Name:	Thorium-232	**Received:**	21-OCT-10	**Density :**	Hand Calculated g/mL
Type:	Source Material	**Expires:**	30-NOV-11	**Logbook Num :**	RC-S-060-058
Employee:	Gregory Ramsay	**Verified:**	28-APR-11	**Lot Number :**	1451-62
Supplier:	Eckert & Ziegler			**Solvent :**	DI water
				Uncertainty :	1.172 PERCENT

Description: in water

Comments: None

Analyte	Concentration	Analyte	Concentration
Thorium-232	324.4 Bq/g		

Standard Traceability Log Rad

Source Material Info	
Parent Code:	1513
Prepared By:	Gregory Ramsay
Carrier Conc:	DI water
Reference Date:	11/01/2010
Ampoule Mass (g):	5.73256 g
Uncertainty:	+/- 1.172 %
LogBook No:	RC-S-060-058
Supplier:	Eckert & Ziegler

A Solution Material Info			
Isotope:	Thorium-232		
Prepared By:	Christina Kimball		
Prep Date:	04/19/2011		
Verification Date:	04/25/2023		
Expiration Date:	04/25/2024		
Primary Code:	1513-A		
Dilution(mL):	250 mL		
Mass of Parent(g):	5.672 g		
Density(g/mL):	1.0020	Balance ID:	60108592

Calculations Converting parent activity to dpm/mL|dpm/g

(Mass of parent(g)) * (Parm Activity (Bq/g)) * (conversion dpm to Bq) / (Dilution Vol) = Parent Activity (dpm/mL)
(Mass of parent(g)) * (Parm Activity (Bq/g)) * (conversion dpm to Bq) / Density (g/mL)/ (Dilution Vol) = Parent Activity (dpm/g)
(5.672 g) * (324.4 Bq/g) * (60 dpm/Bq) / (250 mL) = 441.5992 dpm/mL
(5.672 g) * (324.4 Bq/g) * (60 dpm/Bq) / (1.0020 g/mL) / (250 mL) = 440.7354 dpm/g

Secondary Standards

Prep Date	Preparer	Mass Primary	Dilution (mL)	Code	Conc dpm/mL	Verification Date	Expiration Date
04/19/2011	Christina Kimball	5.0665	100	1513-B	22.3299 dpm/mL	04/11/2013	04/11/2014
02/26/2014	Matelon DeFreese	100.0316	1000	1513-C	44.08747 dpm/mL	12/14/2022	12/14/2023
04/18/2014	Christina Kimball	5.0477	100	1513-D	22.247 dpm/mL	07/14/2023	07/14/2024
01/04/2016	Christina Kimball	.2487	100	1513-E	1.096117 dpm/mL	02/11/2020	02/11/2021
08/01/2016	Christina Kimball	2.053	250	1513-F	3.61932 dpm/mL	07/21/2023	07/21/2024
02/21/2020	Christina Kimball	.248	100	1513-G	1.093 dpm/mL	02/16/2023	02/16/2024
11/11/2022	Christina Kimball	.3	100	1513-H	1.3222 dpm/mL	11/14/2022	11/14/2023
12/13/2022	Christina Kimball	.23	100	1513-I	1.0137 dpm/mL	12/27/2022	12/27/2023

04/25/2023	Matelon DeFreese	25.022	250	1513-J	44.1123247 dpm/mL	04/25/2023	04/25/2024
06/16/2023	Christina Kimball	5.02	100	1513-K	22.1249 dpm/mL	06/21/2023	06/21/2024

GEL Laboratories LLC
Version 1.0 9/18/2000

Verification for Th-232 Standard 1513-J

v1.2

Analyst	MXS2
Verification Prep Date	4/25/2023

Tracer Information	
Isotope	Th-229
Serial Number	1845-H
Amount of Std. (mL)	0.1
Expiration Date	1/11/2024

Standard Information	
Isotope	Th-232
Serial Number	1513-J
Isotope Halflife	1.4050E+10 Y
Reference Date	11/1/2010
Ref. Act. (dpm/mL)	44.1123247
Amount of Std. (mL)	0.1
Standard Prep Date	4/25/2023

Std #	Count Date	Activity pCi	Standard dpm/mL
1	4/25/2023	2.010	44.62
2	4/25/2023	1.930	42.85
3	4/25/2023	1.950	43.29
Mean Value =		1.963	43.586
Stdev =		0.04163332	0.924259704

	pCi	dpm/mL
Certificate Value* =	**1.9870**	**44.1123**
Two sigma =	0.0833	1.8485
10 % of Mean =	0.1963	4.3586
Rule A (Pass/Fail)	**Pass**	**Pass**
% Recovery	98.81%	98.81%
Rule B (Pass/Fail)	**Pass**	**Pass**
Expiration Date	**4/25/2024**	

Verification Rules

Rule A = The two sigma value used for the 95% confidence interval shall not exceed 10% of the mean value of the three verification measurements.

Rule B = The determined mean value shall be within 5% of the certificate value.

*** Certificate Value is decay corrected to Verification Prep Date.**

The analyst prepared three standard verification sources for Th-232 standard 1513-J using 0.1 mL for each source. Each standard was combined with 0.1 mL of Th-229 standard 1845-H and was diluted in a centrifuge tube containing 4 mL 2M HCl, diluted to 40 mL with DI water. 0.1 mL of neodymium carrier and 5 mL of 48% HF was added to precipitate neodymium (and Thorium) fluoride. After 30 minutes, each sample was filtered following routine procedures for alpha spectroscopy source preparation. Each source was counted using routine alpha spec procedures. DPM values for Th-232 were calculated by comparison to Th-229 certified values.

4/26/23

1564

Eckert & Ziegler
Analytics

1380 Seaboard Industrial Blvd.
Atlanta, Georgia 30318
Tel 404·352·8677
Fax 404·352·2837
www.analyticsinc.com

CERTIFICATE OF CALIBRATION
Standard Radionuclide Source

85621-278
5 mL Liquid in Flame Sealed Vial

Customer: General Engineering Labs/Charleston, SC
P.O. No.: 936814RD, Item 1

This standard radionuclide source was prepared gravimetrically from a master solution, calibrated by the Department Des Applications Et De La Metrologie Des Rayonnements Ionisants (DAMRI), Paris, France. Radionuclide purity and calibration were checked by germanium gamma-ray spectrometry. The nuclear decay rate and reference date for this source are given below. 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.

Isotope	Half-Life, Days	Activity (Bq)	Uncertainty* , % Type u_A	u_B	U	Reference Date (12:00 PM EST)
U-232	2.517E+04	3.393E+04	0.5	2.4	4.9	09/12/2011

***Uncertainty:** U - Relative expanded uncertainty, k = 2. See NIST Technical Note 1297, "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results."

Comments:
Impurities: γ-impurities (other than decay products) < 0.1 %, U-233 < 1.20E2 Bq, Am-241 < 5.8E1 Bq. 5.06048 grams 2M HNO3 solution.

Source Prepared by: M Taskaeva
M. I. Taskaeva, Radiochemist

QA Approved:
J. D. McCorvey, QA Manager Alternate

Date: 9/12/11

RECEIVED 9/14/11 KM

ACCREDITED SOURCE CALIBRATION LABORATORY HEALTH PHYSICS SOCIETY FOUNDED 1956

ANA Form005 Rev. ---

Single Isotope Certificate, Rev 1 9/28/2009

Corporate Office
24937 Avenue Tibbitts Valencia, California 91355

Laboratory
1380 Seaboard Industrial Blvd. Atlanta, Georgia, 30318

Standard Logbook

Serial ID:	1564	**Open/Reference Date:**	12-SEP-11	**Aliquot :**	5.06048 g
Name:	Uranium-232	**Received:**	14-SEP-11	**Density :**	Hand Calculated
Type:	Source Material	**Expires:**	26-SEP-14	**Logbook Num :**	RC-S-060-109
Employee:	Ashley Drochter			**Lot Number :**	85621-278
Supplier:	Eckert & Ziegler			**Solvent :**	2M HNO3
				Uncertainty :	2.45 percent

Description: Ampoule

Comments: None

Analyte	Concentration	Analyte	Concentration
Uranium-232	33930 Bq		

Standard Traceability Log Rad

Source Material Info	
Parent Code:	1564
Prepared By:	Ashley Drochter
Carrier Conc:	2M HNO3
Reference Date:	09/12/2011
Ampoule Mass (g):	5.06048 g
Uncertainty:	+/- 2.45 %
LogBook No:	RC-S-060-109
Supplier:	Eckert & Ziegler

A Solution Material Info			
Isotope:	Uranium-232		
Prepared By:	Ashley Drochter		
Prep Date:	11/15/2012		
Verification Date:	10/10/2023		
Expiration Date:	10/10/2024		
Primary Code:	1564-A		
Dilution(mL):	100 mL		
Mass of Parent(g):	4.9067 g		
Density(g/mL):	1.0615	Balance ID:	38080204

Calculations Converting parent activity to dpm/mL|dpm/g

(Mass of parent(g)) * (Parm Activity (Bq)) * (conversion dpm to Bq) / (Ampoule Mass(g) *(Dilution Vol)) = Parent Activity (dpm/mL)
(Mass of parent(g)) * (Parm Activity (Bq)) * (conversion dpm to Bq) / Density / (Ampoule Mass (g) * (Dilution Vol)) = Parent Activity (dpm/g)
(4.9067 g) * (33930 Bq) * (60 dpm/Bq) / (5.06048 g * 100 mL) = 19739.3525 dpm/mL
(4.9067 g) * (33930 Bq) * (60 dpm/Bq) / (1.0615 g/mL)/ (5.06048 g * 100 mL) = 18595.7160 dpm/g

Secondary Standards

Prep Date	Preparer	Mass Primary	Dilution (mL)	Code	Conc dpm/mL	Verification Date	Expiration Date
11/16/2012	Ashley Drochter	2.6179	1000	1564-B	48.6817 dpm/mL	11/13/2013	11/13/2014
07/26/2021	Christina Kimball	.635	500	1564-BB	23.6166 dpm/mL	07/21/2022	07/21/2023
07/26/2021	Christina Kimball	.635	500	1564-BB Spike	23.6166 dpm/mL	07/21/2022	07/21/2023
01/15/2013	Christina Kimball	.265	250	1564-C	19.7115 dpm/mL	01/13/2014	01/13/2015
12/14/2021	Tim Chandler	2.6412	1000	1564-CC	49.115 dpm/mL	12/15/2021	12/15/2022
02/18/2013	Christina Kimball	.116	500	1564-D	4.31421 dpm/mL	02/16/2015	02/13/2016
04/13/2022	Matelon DeFreese	2.7103	1000	1564-DD	50.4 dpm/mL	04/13/2022	04/13/2023
01/02/2014	Gregory Ramsay	2.6936	1000	1564-E	50.08942 dpm/mL	12/10/2014	12/10/2015

09/21/2022	Tim Chandler	2.6897	1000	1564-EE	50.0169 dpm/mL	09/21/2022	09/21/2023
03/17/2014	Christina Kimball	.266	250	1564-F	19.78584 dpm/mL	03/25/2015	03/25/2016
12/27/2022	Christina Kimball	.61	500	1564-FF	22.6868 dpm/mL	12/01/2023	12/01/2024
12/27/2022	Christina Kimball	.61	500	1564-FF Spike	22.6868 dpm/mL	12/01/2023	12/01/2024
12/10/2014	Tim Chandler	2.6312	1000	1564-G	48.929 dpm/mL	12/10/2014	12/10/2015
01/19/2023	Matelon DeFreese	2.689	1000	1564-GG	50.0039 dpm/mL	01/20/2023	01/20/2024
07/20/2015	Christina Kimball	.266	250	1564-H	19.78584 dpm/mL	07/25/2016	07/25/2017
05/19/2023	Matelon DeFreese	2.685	1000	1564-HH	49.9294975 dpm/mL	05/19/2023	05/19/2024
11/23/2015	Tim Chandler	2.6117	1000	1564-I	48.5664 dpm/mL	11/23/2015	11/23/2016
10/09/2023	Matelon DeFreese	2.6864	1000	1564-II	49.9555315 dpm/mL	10/10/2023	10/10/2024
01/05/2016	Christina Kimball	.119	500	1564-J	4.4258 dpm/mL	12/27/2017	12/27/2018
01/05/2016	Christina Kimball	.119	500	1564-J Spike	4.4258 dpm/mL	12/27/2017	12/27/2018
09/20/2016	Tim Chandler	2.6389	1000	1564-K	49.0722 dpm/mL	09/18/2017	09/18/2018
12/20/2016	Christina Kimball	.276	250	1564-L	20.52974 dpm/mL	12/21/2017	12/21/2018
06/20/2017	Tim Chandler	2.6611	1000	1564-M	49.4851 dpm/mL	06/19/2018	06/19/2019
01/18/2018	Tim Chandler	2.6367	1000	1564-N	49.0313 dpm/mL	04/25/2018	04/25/2019
04/25/2018	Tim Chandler	2.6505	1000	1564-O	49.2879 dpm/mL	04/25/2018	04/25/2019
08/06/2018	Christina Kimball	.106	500	1564-P	3.9423 dpm/mL	12/19/2019	12/19/2020
08/06/2018	Christina Kimball	.106	500	1564-P Spike	3.9423 dpm/mL	12/19/2019	12/19/2020
12/13/2018	Tim Chandler	2.6502	1000	1564-Q	49.2824 dpm/mL	12/13/2018	12/13/2019
01/08/2019	Christina Kimball	.29	250	1564-R	21.571 dpm/mL	01/08/2019	01/08/2020
01/08/2019	Christina Kimball	.29	250	1564-R Spike	21.571 dpm/mL	01/08/2019	01/08/2020

10/01/2019	Tim Chandler	2.6957	1000	1564-S	50.1285 dpm/mL	10/01/2019	10/01/2020
12/18/2019	Christina Kimball	.307	250	1564-T	22.83554 dpm/mL	12/19/2019	12/19/2020
12/18/2019	Christina Kimball	.307	250	1564-T Spike	22.83554 dpm/mL	12/19/2019	12/19/2020
03/31/2020	Tim Chandler	2.6645	1000	1564-U	49.5483 dpm/mL	03/31/2020	03/31/2021
08/14/2020	Christina Kimball	.111	500	1564-V	4.1282 dpm/mL	08/14/2020	08/14/2021
08/14/2020	Christina Kimball	.111	500	1564-V Spike	4.1282 dpm/mL	08/14/2020	08/14/2021
10/13/2020	Tim Chandler	2.6983	1000	1564-W	50.1768 dpm/mL	10/13/2020	10/13/2021
11/04/2020	Christina Kimball	.315	250	1564-X	23.4306 dpm/mL	11/04/2020	11/04/2021
11/04/2020	Christina Kimball	.315	250	1564-X Spike	23.4306 dpm/mL	11/04/2020	11/04/2021
03/19/2021	Matelon DeFreese	2.7599	1000	1564-Y	51.32232 dpm/mL	03/19/2021	03/19/2022
03/19/2021	Matelon DeFreese	2.7599	1000	1564-Z	51.32232 dpm/mL	03/20/2021	03/20/2022

GEL Laboratories LLC
Version 1.0 9/18/2000

Verification for U-232 Standard 1564-II

v1.2

Analyst	MXS2
Verification Prep Date	10/10/2023

Tracer Information	
Isotope	U-238
Serial Number	1600-P
Amount of Std. (mL)	0.2
Expiration Date	5/8/2024

Standard Information	
Isotope	U-232
Serial Number	1564-II
Isotope Halflife	68.9000 Y
Reference Date	9/12/2011
Ref. Act. (dpm/mL)	49.9555315
Amount of Std. (mL)	0.2
Standard Prep Date	10/9/2023

Std #	Count Date	Activity pCi	Standard dpm/mL
1	10/10/2023	3.760	41.74
2	10/10/2023	3.970	44.07
3	10/10/2023	3.790	42.07
	Mean Value =	3.840	42.624
	Stdev =	0.113578167	1.260717653

	pCi	dpm/mL
Certificate Value* =	**3.9856**	**44.2405**
Two sigma =	0.2272	2.5214
10 % of Mean =	0.3840	4.2624
Rule A (Pass/Fail)	**Pass**	**Pass**
% Recovery	96.35%	96.35%
Rule B (Pass/Fail)	**Pass**	**Pass**
Expiration Date	**10/10/2024**	

Verification Rules

Rule A = The two sigma value used for the 95% confidence interval shall not exceed 10% of the mean value of the three verification measurements.

Rule B = The determined mean value shall be within 5% of the certificate value.

*** Certificate Value is decay corrected to Verification Prep Date.**

The analyst prepared three standard verification sources for U-232 standard 1564-II using 0.2 mL for each source. Each standard was combined with 0.2 mL of U-238 standard 1600-P and was diluted in a centrifuge tube containing 15 mL of 0.1M HCL diluted to 40 mL with DI water. 0.1 mL of neodymium carrier, 0.5 mL of titanium (III) chloride, and 5 mL of 48% HF was added to precipitate neodymium (and Uranium) fluoride. After 30 minutes, each sample was filtered following routine procedures for alpha spectroscopy source preparation. Each source was counted using routine alpha spec procedures. DPM values for U-232 were calculated by comparison to U-238 certified values.

Eckert & Ziegler
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FS 3/20/12
1600

CERTIFICATE OF CALIBRATION
ALPHA STANDARD SOLUTION

Radionuclide:	U-238 (Nat)	**Customer:**	GENERAL ENGINEERING LABS.
Half-life:	(4.468 ± 0.005)E+09 years	**P.O. No.:**	936823 RD
Catalog No.:	7338	**Refereuce Date:**	15-Apr-12 12:00 PST
Source No.:	1577-71-2	**Contained Radioactivity: (Total Uranium)**	1.023 µCi 37.85 kBq

Physical Description:

A. Mass of solution: 7.05210 g in 10 mL flame-sealed ampoule
B. Chemical form: $UO_2(NO_3)_2$ in dilute HNO_3
C. Carrier content: None
D. Density: Approximately 1.41 g/mL @ 20°C

Radioimpurities:

See Technical Data Sheet

Radionuclide Concentration: 0.1451 µCi/g, 5.369 kBq/g

Method of Calibration:

Activity calculations are based upon known specific activity and mass.

Uncertainty of Measurement:

A. Type A (random) uncertainty:	±	0.0 %
B. Type B (systematic) uncertainty:	±	3.0 %
C. Uncertainty in aliquot weighing:	±	0.0 %
D. Total uncertainty at the 99% confidence level:	±	3.0 %

Notes:

- See reverse side for leak test(s) performed on this source.
- EZIP participates in a NIST measurement assurance program to establish and maintain implicit traceability for a number of nuclides, based on the blind assay (and later NIST certification) of Standard Reference Materials (as in NRC Regulatory Guide 4.15).
- Nuclear data was taken from "Table of Radioactive Isotopes", edited by Virginia Shirley, 1986.
- This solution has a working life of 5 years.

Daniel James Van Dalsem
Quality Control

21-Mar-12
Date

EZIP Ref. No.: 1577-71

RC-S-065-030a

ISO 9001 CERTIFIED

Eckert & Ziegler
Isotope Products

24937 Avenue Tibbitts
Valencia, California 91355

Tel 661·309·1010
Fax 661·257·8303

U-238 Natural Technical Data

The U-238 Natural used to prepare your order was taken from Eckert & Ziegler Isotope Products Lot #4550102
It had the following composition as of 9 Feb 10:

Nuclide	Atom %	Activity %
U-234	0.0055	49.086
U-235	0.7200	2.241
U-238	99.274	48.673

Isotopic composition provided by New Brunswick Laboratory.

If you have any question, please contact Eckert & Ziegler Isotope Products Technical Service: (661) 309-1010

Standard Logbook

Serial ID:	1600	**Open/Reference Date:**	15-APR-12	**Aliquot :**	7.0521 g
Name:	Uranium-238	**Received:**	24-MAR-12	**Density :**	Hand Calculated g/mL
Type:	Source Material	**Expires:**	26-MAR-15	**Logbook Num :**	RC-S-065-030
Employee:	Ashley Drochter			**Lot Number :**	4550102
Supplier:	Eckert & Ziegler			**Solvent :**	UO2(NO3)2 in dilute HNO3
				Uncertainty :	1.17 percent

Description: Ampoule

Comments: None

Analyte	Concentration	Analyte	Concentration
Uranium-238	18.42 kbq		

Standard Traceability Log Rad

Source Material Info	
Parent Code:	1600
Prepared By:	Ashley Drochter
Carrier Conc:	UO2(NO3)2 in dilute HNO3
Reference Date:	04/15/2012
Ampoule Mass (g):	7.0521 g
Uncertainty:	+/- 1.17 %
LogBook No:	RC-S-065-030
Supplier:	Eckert & Ziegler

A Solution Material Info			
Isotope:	Uranium-238		
Prepared By:	Ashley Drochter		
Prep Date:	09/04/2012		
Verification Date:	05/08/2023		
Expiration Date:	05/08/2024		
Primary Code:	1600-A		
Dilution(mL):	100 mL		
Mass of Parent(g):	6.8204 g		
Density(g/mL):	1.0789	Balance ID:	38080204

Calculations Converting parent activity to dpm/mL|dpm/g

(Mass of parent(g)) * (Parm Activity (kbq)) * (conversion dpm to kbq) / (Ampoule Mass(g) *(Dilution Vol)) = Parent Activity (dpm/mL)
(Mass of parent(g)) * (Parm Activity (kbq)) * (conversion dpm to kbq) / Density / (Ampoule Mass (g) * (Dilution Vol)) = Parent Activity (dpm/g)
(6.8204 g) * (18.42 kbq) * (60000 dpm/kbq) / (7.0521 g * 100 mL) = 10688.8814 dpm/mL
(6.8204 g) * (18.42 kbq) * (60000 dpm/kbq) / (1.0789 g/mL)/ (7.0521 g * 100 mL) = 9907.0626 dpm/g

Secondary Standards

Prep Date	Preparer	Mass Primary	Dilution (mL)	Code	Conc dpm/mL	Verification Date	Expiration Date
09/04/2012	Ashley Drochter	1.4579	500	1600-B	28.8913 dpm/mL	09/04/2012	09/04/2013
09/11/2012	Ashley Drochter	3.0288	500	1600-C	60.0219 dpm/mL	09/04/2013	09/04/2014
03/27/2014	Tim Chandler	3.0445	500	1600-D	60.3241 dpm/mL	03/18/2015	03/18/2016
07/24/2015	Tim Chandler	3.0177	500	1600-E	59.7931 dpm/mL	07/10/2017	07/10/2018
02/16/2017	Tim Chandler	3.0261	500	1600-F	59.9595 dpm/mL	02/06/2018	02/06/2019
10/10/2017	Christina Kimball	.539	250	1600-G	21.3596 dpm/mL	12/28/2022	12/28/2023

04/02/2018	Tim Chandler	3.0544	500	1600-H	60.5203 dpm/mL	03/29/2019	03/29/2020
06/21/2019	Tim Chandler	3.0536	500	1600-I	60.5044 dpm/mL	06/21/2019	06/21/2020
01/30/2020	Tim Chandler	3.0563	500	1600-J	60.5579 dpm/mL	01/26/2021	01/26/2022
03/13/2020	Christina Kimball	.01222	500	1600-K	.24207 dpm/mL	03/15/2022	03/15/2023
04/23/2021	Tim Chandler	3.0507	500	1600-L	60.4469 dpm/mL	04/26/2021	04/26/2022
01/21/2022	Matelon DeFreese	3.1075	500	1600-M	61.5723941 dpm/mL	01/21/2022	01/21/2023
05/19/2022	Christina Kimball	.01275	500	1600-N	.2527 dpm/mL	05/17/2023	05/17/2024
09/06/2022	Matelon DeFreese	3.1499	500	1600-O	62.412513 dpm/mL	09/06/2022	09/06/2023
05/08/2023	Matelon DeFreese	6.0105	1000	1600-P	59.5463998 dpm/mL	05/08/2023	05/08/2024

GEL Laboratories LLC
Version 1.0 9/18/2000

Verification for U-238 Standard 1600-P

v1.2

Analyst	MXS2
Verification Prep Date	5/8/2023

Tracer Information	
Isotope	U-232
Serial Number	1564-GG
Amount of Std. (mL)	0.2
Expiration Date	1/20/2024

Standard Information	
Isotope	U-238
Serial Number	1600-P
Isotope Halflife	4.4680E+09 Y
Reference Date	4/15/2012
Ref. Act. (dpm/mL)	59.5463998
Amount of Std. (mL)	0.2
Standard Prep Date	5/8/2023

Std #	Count Date	Activity pCi	Standard dpm/mL
1	5/10/2023	5.730	63.60
2	5/9/2023	5.280	58.61
3	5/10/2023	5.350	59.39
Mean Value =		5.453	60.532
Stdev =		0.242143208	2.687789612

	pCi	dpm/mL
Certificate Value* =	**5.3645**	**59.5464**
Two sigma =	0.4843	5.3756
10 % of Mean =	0.5453	6.0532
Rule A (Pass/Fail)	**Pass**	**Pass**
% Recovery	101.66%	101.66%
Rule B (Pass/Fail)	**Pass**	**Pass**
Expiration Date	**5/8/2024**	

Verification Rules

Rule A = The two sigma value used for the 95% confidence interval shall not exceed 10% of the mean value of the three verification measurements.

Rule B = The determined mean value shall be within 5% of the certificate value.

*** Certificate Value is decay corrected to Verification Prep Date.**

The analyst prepared three standard verification sources for U-238 standard 1600-P using 0.2 mL for each source. Each standard was combined with 0.2 mL of U-232 standard 1564-GG and was diluted in a centrifuge tube containing 15 mL 0.1M HCl and 25 mL of DI water 0.1 mL of neodymium carrier, 0.5 mL of titanium (III) chloride, and 5 mL of 48% HF was added to precipitate neodymium (and Uranium) fluoride. After 30 minutes, each sample was filtered following routine procedures for alpha spectroscopy source preparation. Each source was counted using routine alpha spec procedures. DPM values for U-238 were calculated by comparison to U-232 certified values.

5/11/23

Runlogs

Instrument Run Log

Instrument Type: ALPHA SPECTROMETER **Batch ID: 2534022**

Sample ID	Sample Type	Analyst	Instrument	Run Date	Status	Geometry	Calibration Date
645402001	SAMPLE	CM4	1158	DEC-08-23 08:41:46	DONE		14-NOV-23 10:47
645402002	SAMPLE	CM4	1159	DEC-08-23 08:41:49	DONE		14-NOV-23 10:24
645863002	SAMPLE	CM4	1160	DEC-08-23 08:41:52	DONE		14-NOV-23 10:24
645981002	SAMPLE	CM4	1117	DEC-08-23 09:48:15	DONE		13-NOV-23 12:13
646261002	SAMPLE	CM4	1121	DEC-08-23 09:48:17	DONE		13-NOV-23 12:13
646494004	SAMPLE	CM4	1125	DEC-08-23 09:48:20	DONE		13-NOV-23 12:14
646494005	SAMPLE	CM4	1126	DEC-08-23 09:48:22	DONE		13-NOV-23 12:14
646494014	SAMPLE	CM4	1129	DEC-08-23 09:48:27	DONE		13-NOV-23 12:15
646494030	SAMPLE	CM4	1130	DEC-08-23 09:48:29	DONE		13-NOV-23 12:15
1205590008	MB	CM4	1131	DEC-08-23 09:48:32	DONE		13-NOV-23 12:15
1205590009	DUP	CM4	1133	DEC-08-23 09:48:33	DONE		13-NOV-23 12:20
1205590010	LCS	CM4	1014	DEC-09-23 10:56:07	DONE		01-DEC-23 12:42

Instrument Run Log

Instrument Type: ALPHA SPECTROMETER **Batch ID: 2534026**

Sample ID	Sample Type	Analyst	Instrument	Run Date	Status	Geometry	Calibration Date
645402001	SAMPLE	CM4	1025	DEC-07-23 15:32:11	DONE		02-DEC-23 12:40
645402002	SAMPLE	CM4	1026	DEC-07-23 15:32:11	DONE		02-DEC-23 12:40
646261002	SAMPLE	CM4	1029	DEC-07-23 15:32:11	DONE		02-DEC-23 12:41
646494004	SAMPLE	CM4	1030	DEC-07-23 15:32:11	DONE		02-DEC-23 12:41
646494005	SAMPLE	CM4	1031	DEC-07-23 15:32:12	DONE		02-DEC-23 12:41
646494030	SAMPLE	CM4	1033	DEC-07-23 15:32:12	DONE		02-DEC-23 12:41
1205590029	MB	CM4	1034	DEC-07-23 15:32:12	DONE		02-DEC-23 12:42
1205590030	DUP	CM4	1035	DEC-07-23 15:32:12	DONE		02-DEC-23 12:42
1205590031	LCS	CM4	1036	DEC-07-23 15:32:12	DONE		06-DEC-23 11:20
645863002	SAMPLE	CM4	1037	DEC-09-23 15:23:01	DONE		02-DEC-23 12:46
645981002	SAMPLE	CM4	1038	DEC-09-23 15:23:01	DONE		02-DEC-23 12:47
646494014	SAMPLE	CM4	1039	DEC-09-23 15:23:01	DONE		02-DEC-23 12:47

Gamma Spectroscopy Raw Data

Batch 2529194 Check-list

This check-list was completed on 13-DEC-23 by Tim Winters

This batch was reviewed by Spencer Collins on 13-DEC-23 and Tim Winters on 13-DEC-23.

Batch ID: 2529194 **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?		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: **2529194**
Analyst: Rebekah Futch (RXF2)
Method: DOE HASL 300, 4.5.2.3/Ga-01-R
Lab SOP: GL-RAD-A-013 REV# 28
Instrument: No instrument-manual method

Due Dates for Lab: 17-DEC-2023 **Hold: 25-NOV-2023** **Package: 18-DEC-2023** **SDG: 19-DE**

Type	Sample Id	Description	Serial Number	Spike Amount	Spike Units
LCS	1205581251	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	645981001	21-NOV-2023	.1	Dry to Dry	133.16	133.16	133.16
2	645981002	21-NOV-2023	.1	Dry to Dry	136.39	136.39	136.39
3	645981003	21-NOV-2023	.1	Dry to Dry	137.89	137.89	137.89
4	645981004	21-NOV-2023	.1	Dry to Dry	136.59	136.59	136.59
5	1205581249 MB	21-NOV-2023	.1	Dry to Wet	137.89	137.89	137.89
6	1205581250 DUP (645981001)	21-NOV-2023	.1	Dry to Dry	133.16	133.16	133.16
7	1205581251 LCS	21-NOV-2023	.1	Dry to Wet	115	115	115

Reagent/Solvent Lot ID	Description	Amount

Comments:

VAX/VMS Nuclide Identification Report Generated 12-DEC-2023 21:29:12.17

```
*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981001.CNF;1
Background file  : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM21.CNF;808
                                       Background date  : 11-DEC-2023 05:17:22
Sample date      : 13-NOV-2023 12:00:00 Acquisition date : 12-DEC-2023 19:28:47
Sample ID        : G645981001           Sample quantity  : 1.33160E+02 GRAM
Detector name    : GAM21                Detector geometry: CAN
Elapsed live time: 0 02:00:00.00        Elapsed real time: 0 02:00:01.03  0.0%
Energy tolerance : 1.50000 keV          Analyst Initials : RXF2
Abundance limit  : 75.00000             Sensitivity      : 3.00000
Batch ID         : 2529194              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	39.96	36	166	1.19	79.35	77	6	4.97E-03	59.4	
2	0	46.39	151	180	0.94	92.21	89	6	2.10E-02	16.2	
3	1	52.35	28	75	0.68	104.12	103	8	3.94E-03	40.2	9.23E+00
4	1	54.22	30	139	0.69	107.87	103	8	4.14E-03	62.1	
5	0	57.29	57	396	0.96	114.01	111	9	7.98E-03	63.5	
6	0	62.94	186	599	0.94	125.31	121	10	2.59E-02	25.6	
7	4	72.87	26	249	1.00	145.16	143	14	3.65E-03	86.3	2.53E+00
8	4	74.81	724	306	0.89	149.05	143	14	1.01E-01	5.1	
9	4	77.05*	1146	294	0.79	153.54	143	14	1.59E-01	3.7	
10	5	83.88	167	330	1.15	167.18	164	18	2.32E-02	19.7	1.26E+00
11	5	87.11	393	331	1.16	173.66	164	18	5.46E-02	9.2	
12	5	89.75	237	285	0.96	178.93	164	18	3.29E-02	12.9	
13	8	92.70*	441	213	1.17	184.83	182	10	6.12E-02	6.9	3.24E+00
14	8	94.11	89	295	1.59	187.65	182	10	1.23E-02	42.8	
15	0	104.85	70	269	1.59	209.13	206	8	9.77E-03	42.0	
16	2	127.96	44	61	0.98	255.34	254	12	6.05E-03	24.0	2.89E+00
17	2	129.28	67	187	1.00	257.98	254	12	9.27E-03	36.1	
18	0	143.74	21	256	1.07	286.92	284	7	2.85E-03	130.9	
19	0	170.72	41	236	2.12	340.87	337	8	5.76E-03	66.0	
20	0	186.09*	301	412	1.17	371.61	367	12	4.18E-02	14.8	
21	0	208.99	91	223	1.13	417.42	414	9	1.27E-02	31.4	
22	8	238.55*	933	105	0.89	476.55	471	19	1.30E-01	3.7	2.64E+00
23	8	241.66*	422	189	1.76	482.77	471	19	5.86E-02	9.8	
24	0	270.01	123	165	2.24	539.47	533	12	1.71E-02	22.7	
25	0	277.34	35	151	0.72	554.13	550	9	4.86E-03	65.4	
26	2	295.10	577	79	1.03	589.65	583	21	8.01E-02	4.8	1.67E+00
27	2	299.91	74	111	1.35	599.28	583	21	1.03E-02	26.2	
28	4	325.95	15	29	0.94	651.36	650	14	2.15E-03	61.3	5.04E-01
29	4	327.72	59	78	1.54	654.90	650	14	8.15E-03	31.4	
30	0	338.14	147	107	1.10	675.73	672	9	2.04E-02	15.1	
31	0	351.73*	915	149	1.19	702.93	697	13	1.27E-01	4.3	
32	0	389.75	49	85	1.75	778.98	773	11	6.79E-03	39.3	
33	0	458.13	25	27	1.15	915.75	913	8	3.47E-03	40.9	
34	0	462.82*	70	55	0.96	925.14	920	11	9.78E-03	24.0	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
35	0	511.12*	45	93	2.01	1021.75	1015	15	6.30E-03	55.9	
36	0	562.87	24	48	1.89	1125.29	1119	10	3.40E-03	56.4	
37	0	583.00	225	44	1.46	1165.55	1161	12	3.12E-02	8.9	
38	0	609.05*	581	78	1.41	1217.67	1212	14	8.07E-02	5.4	
39	0	666.48	70	32	2.28	1332.56	1325	18	9.70E-03	22.3	
40	0	726.79	71	43	1.12	1453.22	1448	12	9.84E-03	21.9	
41	0	735.66	14	10	0.92	1470.95	1468	6	1.90E-03	46.0	
42	0	767.97	69	36	2.19	1535.60	1529	13	9.64E-03	21.4	
43	0	785.75	38	41	1.33	1571.18	1564	14	5.22E-03	40.0	
44	0	794.59	39	36	0.71	1588.85	1582	16	5.36E-03	38.3	
45	0	806.14	25	27	0.71	1611.98	1607	10	3.42E-03	46.9	
46	0	819.05	16	21	0.82	1637.80	1629	12	2.22E-03	62.5	
47	0	876.85	12	15	1.72	1753.45	1749	7	1.68E-03	60.9	
48	0	910.71	140	34	1.33	1821.20	1814	15	1.95E-02	12.3	
49	0	932.52	37	21	4.83	1864.83	1858	12	5.14E-03	29.7	
50	3	961.19	15	4	1.95	1922.19	1920	13	2.03E-03	28.1	1.11E+00
51	3	964.54	36	13	1.63	1928.90	1920	13	5.05E-03	23.5	
52	0	968.64	100	16	1.55	1937.11	1933	12	1.39E-02	13.1	
53	0	975.16	5	14	1.28	1950.16	1944	9	6.98E-04	146.8	
54	0	999.31	19	15	3.56	1998.47	1993	10	2.61E-03	44.9	
55	0	1015.60	40	34	7.40	2031.07	2021	26	5.49E-03	42.7	
56	0	1119.65	112	27	2.02	2239.29	2233	17	1.55E-02	14.1	
57	0	1237.88	30	21	1.96	2475.87	2470	11	4.12E-03	35.6	
58	0	1264.24	22	8	2.05	2528.63	2521	15	2.99E-03	35.2	
59	1	1276.92	24	3	2.02	2554.00	2550	15	3.30E-03	20.6	2.80E+00
60	1	1279.42	29	2	2.02	2559.00	2550	15	4.05E-03	23.0	
61	0	1313.51	11	6	3.48	2627.23	2620	12	1.53E-03	53.8	
62	0	1369.65	9	20	3.80	2739.58	2727	16	1.23E-03	118.0	
63	0	1377.34	36	24	1.41	2754.97	2747	16	5.00E-03	34.7	
64	0	1401.96	15	9	2.60	2804.24	2798	11	2.06E-03	49.7	
65	0	1407.74	35	5	2.27	2815.81	2809	17	4.87E-03	21.7	
66	0	1459.76*	118	23	2.14	2919.92	2912	16	1.63E-02	13.3	
67	0	1508.45	19	6	2.33	3017.38	3012	11	2.69E-03	32.7	
68	0	1558.81	9	3	0.53	3118.16	3114	8	1.20E-03	51.6	
69	0	1728.61	33	7	2.18	3458.05	3450	14	4.58E-03	24.3	
70	0	1763.55*	88	0	3.29	3527.97	3520	15	1.22E-02	11.3	
71	0	1846.44	18	4	2.82	3693.90	3686	14	2.56E-03	31.8	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 12-DEC-2023 21:29:13

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981001.CNF;1		
Analyses by	: PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4		
Sample title	: RXF2		
Sample date	: 13-NOV-2023 12:00:00	Acquisition date	: 12-DEC-2023 19:28:47
Sample ID	: G645981001	Sample quantity	: 133.16 GRAM
Sample type	: SOLID	Sample geometry	:
Detector name	: GAMMA21	Detector geometry	: CAN
Elapsed live time	: 0 02:00:00.00	Elapsed real time	: 0 02:00:01.03 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	112	10.66*	9.283E-01	3.200E+00	3.200E+00	26.62
AS-73	53.44	36	10.30*	1.184E+01	8.282E-02	1.067E-01	124.14
CD-109	88.03	458	3.70*	1.124E+01	3.104E+00	3.244E+00	18.34
I-126	388.63	51	35.60	3.637E+00	1.120E-01	5.404E-01	78.57
	666.33	71	32.90*	2.081E+00	2.913E-01	1.405E+00	44.69
	753.82	------	4.15	1.828E+00	------ Line Not Found		------
SN-126	64.28	221	9.60	1.192E+01	5.454E-01	5.454E-01	51.27
	86.94	458	8.90	1.124E+01	1.291E+00	1.291E+00	18.34
	87.57	458	37.00*	1.124E+01	3.104E-01	3.104E-01	18.34
EU-155	86.55	458	30.70	1.124E+01	3.741E-01	3.786E-01	18.34
	105.31	81	21.10*	1.044E+01	1.036E-01	1.049E-01	83.93
TM-171	51.35	34	0.27	1.178E+01	3.026E+00	3.115E+00	80.38
	52.39	34	0.47*	1.178E+01	1.739E+00	1.790E+00	80.38
	66.73	------	0.14	1.188E+01	------ Line Not Found		------
TL-208	277.37	38	6.60	5.078E+00	3.177E-01	3.177E-01	130.87
	583.19	230	85.00*	2.396E+00	3.182E-01	3.182E-01	17.89
	860.56	------	12.50	1.591E+00	------ Line Not Found		------
BI-210	46.54	184	4.25*	1.144E+01	1.064E+00	1.066E+00	32.39
PB-210	46.54	184	4.25*	1.144E+01	1.064E+00	1.066E+00	32.39
BI-211	72.87	31	1.23	1.175E+01	6.044E-01	6.044E-01	172.64
	351.06	970	12.92*	4.032E+00	5.250E+00	5.250E+00	8.67
BI-212	727.33	71	6.67*	1.900E+00	1.586E+00	1.586E+00	43.73
	1620.50	------	1.47	8.380E-01	------ Line Not Found		------
PB-212	74.82	851	10.28	1.169E+01	1.997E+00	1.997E+00	10.27
	77.11	1345	17.10	1.162E+01	1.908E+00	1.908E+00	7.48
	238.63	1017	43.60*	5.831E+00	1.128E+00	1.128E+00	7.39
	300.09	80	3.30	4.713E+00	1.447E+00	1.447E+00	52.37
BI-214	609.32	592	45.49*	2.288E+00	1.604E+00	1.604E+00	10.82
	1120.29	109	14.92	1.212E+00	1.696E+00	1.696E+00	28.17
	1764.49	82	15.30	7.724E-01	1.965E+00	1.965E+00	22.62
PB-214	74.82	851	5.80	1.169E+01	3.539E+00	3.539E+00	10.27
	77.11	1345	9.70	1.162E+01	3.364E+00	3.365E+00	7.48
	87.09	458	3.41	1.124E+01	3.368E+00	3.368E+00	18.34
	242.00	459	7.25	5.764E+00	3.098E+00	3.098E+00	19.54
	295.22	620	18.42	4.787E+00	1.981E+00	1.981E+00	9.67
	351.93	970	35.60*	4.032E+00	1.906E+00	1.906E+00	8.67
RN-222	609.32	592	45.49*	2.288E+00	1.604E+00	1.604E+00	10.82
	1120.29	109	14.92	1.212E+00	1.696E+00	1.696E+00	28.17
	1764.49	82	15.30	7.724E-01	1.965E+00	1.965E+00	22.62
RA-224	240.99	459	4.10*	5.764E+00	5.477E+00	5.477E+00	19.54
RA-226	74.82	851	5.80	1.169E+01	3.539E+00	3.539E+00	10.27
	77.11	1345	9.70	1.162E+01	3.364E+00	3.365E+00	7.48
	87.09	458	3.41	1.124E+01	3.368E+00	3.368E+00	18.34
	242.00	459	7.25	5.764E+00	3.098E+00	3.098E+00	19.54
	295.22	620	18.42	4.787E+00	1.981E+00	1.981E+00	9.67
	351.93	970	35.60*	4.032E+00	1.906E+00	1.906E+00	8.67
AC-228	105.21	81	1.10	1.044E+01	1.988E+00	1.988E+00	83.93
	338.32	156	11.27	4.193E+00	9.316E-01	9.316E-01	30.21
	835.71	------	1.61	1.641E+00	------ Line Not Found		------

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	911.20	139	25.80*	1.500E+00	1.013E+00	1.013E+00	24.68
	968.97	98	15.80	1.407E+00	1.247E+00	1.247E+00	26.13
RA-228	105.21	81	1.10	1.044E+01	1.988E+00	1.988E+00	83.93
	338.32	156	11.27	4.193E+00	9.316E-01	9.316E-01	30.21
	835.71	------	1.61	1.641E+00	------ Line Not Found		------
	911.20	139	25.80*	1.500E+00	1.013E+00	1.013E+00	24.68
	968.97	98	15.80	1.407E+00	1.247E+00	1.247E+00	26.13
TH-228	74.82	851	10.28	1.169E+01	1.997E+00	1.997E+00	10.27
	77.11	1345	17.10	1.162E+01	1.908E+00	1.908E+00	7.48
	238.63	1017	43.60*	5.831E+00	1.128E+00	1.128E+00	7.39
	300.09	80	3.30	4.713E+00	1.447E+00	1.447E+00	52.37
TH-230	74.82	851	5.80	1.169E+01	3.539E+00	3.539E+00	10.27
	77.11	1345	9.70	1.162E+01	3.364E+00	3.364E+00	7.48
	87.09	458	3.41	1.124E+01	3.368E+00	3.368E+00	18.34
	242.00	459	7.25	5.764E+00	3.098E+00	3.098E+00	19.54
	295.22	620	18.42	4.787E+00	1.981E+00	1.981E+00	9.67
	351.93	970	35.60*	4.032E+00	1.906E+00	1.906E+00	8.67
PA-231	283.69	------	1.70	4.970E+00	------ Line Not Found		------
	301.36	80	5.35*	4.713E+00	8.926E-01	8.926E-01	52.37
TH-232	105.21	81	1.10	1.044E+01	1.988E+00	1.988E+00	83.93
	338.32	156	11.27	4.193E+00	9.316E-01	9.316E-01	30.21
	835.71	------	1.61	1.641E+00	------ Line Not Found		------
	911.20	139	25.80*	1.500E+00	1.013E+00	1.013E+00	24.68
	968.97	98	15.80	1.407E+00	1.247E+00	1.247E+00	26.13
TH-234	63.29	221	3.70*	1.192E+01	1.415E+00	1.415E+00	51.27
	92.59	511	4.23	1.099E+01	3.101E+00	3.101E+00	13.73
U-234	74.82	851	5.80	1.169E+01	3.539E+00	3.539E+00	10.27
	77.11	1345	9.70	1.162E+01	3.364E+00	3.364E+00	7.48
	87.09	458	3.41	1.124E+01	3.368E+00	3.368E+00	18.34
	242.00	459	7.25	5.764E+00	3.098E+00	3.098E+00	19.54
	295.22	620	18.42	4.787E+00	1.981E+00	1.981E+00	9.67
	351.93	970	35.60*	4.032E+00	1.906E+00	1.906E+00	8.67
U-235	89.96	275	3.47	1.112E+01	2.010E+00	2.010E+00	25.73
	93.35	511	5.60	1.099E+01	2.342E+00	2.342E+00	13.73
	143.76	23	10.96*	8.709E+00	6.844E-02	6.844E-02	261.89
	163.33	------	5.08	7.960E+00	------ Line Not Found		------
	185.72	334	57.20	7.200E+00	2.286E-01	2.286E-01	29.62
	205.31	------	5.01	6.643E+00	------ Line Not Found		------
U-238	63.29	221	3.70*	1.192E+01	1.415E+00	1.415E+00	51.27
	92.59	511	4.23	1.099E+01	3.101E+00	3.101E+00	13.73
AM-243	43.53	------	5.90	1.119E+01	------ Line Not Found		------
	74.66	851	67.20*	1.169E+01	3.054E-01	3.054E-01	10.27
ANH-511	511.00	47	100.00*	2.750E+00	4.805E-02	4.805E-02	111.77

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 12-DEC-2023 21:29:14.66

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981001.CNF;1		
Acquisition date	: 12-DEC-2023 19:28:47	Sensitivity	: 3.000
Detector ID	: GAM21	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:01.03	Half life ratio	: *****
Sample date	: 13-NOV-2023 12:00:00	Analyst initials	: RXF2
Sample ID	: G645981001	Sample Quantity	: 1.3316E+02 GRAM
Batch Number	: 2529194	Wet Weight	: 0.00000
Wet wt corr	: 1.00000	Dry Weight	: 0.00000
Nuclide Library	: SOLID.NLB;17		

CALIBRATION INFORMATION

Eff. Cal. date	: 3-JUL-2023 09:20:00	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM21_CAN.CNF;25		

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	3.200E+00	8.351E-01	5.729E-01
AS-73	1.067E-01	1.298E-01	1.565E-01
CD-109	3.244E+00	5.832E-01	4.242E-01
I-126	1.405E+00	6.155E-01	5.191E-01
SN-126	3.104E-01	5.580E-02	4.049E-02
EU-155	1.049E-01	8.625E-02	6.981E-02
TM-171	1.790E+00	1.410E+00	2.742E+00
TL-208	3.182E-01	5.578E-02	4.460E-02
BI-210	1.066E+00	3.384E-01	2.814E-01
PB-210	1.066E+00	3.384E-01	2.814E-01
BI-211	5.250E+00	4.461E-01	2.176E-01
BI-212	1.586E+00	6.798E-01	5.796E-01
PB-212	1.128E+00	8.173E-02	5.373E-02
BI-214	1.604E+00	1.701E-01	8.273E-02
PB-214	1.906E+00	1.619E-01	7.919E-02
RN-222	1.604E+00	1.701E-01	8.273E-02
RA-224	5.477E+00	1.049E+00	5.773E-01
RA-226	1.906E+00	1.619E-01	7.919E-02
AC-228	1.013E+00	2.449E-01	1.852E-01
RA-228	1.013E+00	2.449E-01	1.852E-01
TH-228	1.128E+00	8.173E-02	5.373E-02
TH-230	1.906E+00	1.619E-01	7.919E-02
PA-231	8.926E-01	4.581E-01	5.003E-01
TH-232	1.013E+00	2.449E-01	1.852E-01
TH-234	1.415E+00	7.111E-01	4.301E-01
U-234	1.906E+00	1.619E-01	7.919E-02
U-235	6.844E-02	1.756E-01	1.683E-01
U-238	1.415E+00	7.111E-01	4.301E-01
AM-243	3.054E-01	3.073E-02	2.456E-02
ANH-511	4.805E-02	5.264E-02	3.476E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)

BE-7	-3.047E-02	2.570E-01	4.853E-01	NOT IDENT.
NA-22	2.511E-03	2.724E-02	4.863E-02	NOT IDENT.
NA-24	0.000E+00	7.685E+12	0.000E+00	SHORT HLIF
AL-26	-2.379E-02	2.901E-02	4.883E-02	NOT IDENT.
SC-46	-1.462E-02	2.651E-02	4.476E-02	FAIL ABUN
V-48	-2.566E-02	8.139E-02	1.540E-01	FAIL ABUN
CR-51	1.254E-01	2.960E-01	5.513E-01	NOT IDENT.
MN-52	-4.477E-01	1.198E+00	2.143E+00	NOT IDENT.
MN-54	-4.308E-03	2.934E-02	5.240E-02	NOT IDENT.
CO-56	-1.359E-02	3.482E-02	6.023E-02	FAIL ABUN
MN-56	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CO-57	2.908E-03	1.087E-02	2.138E-02	NOT IDENT.
CO-58	1.711E-02	3.151E-02	5.787E-02	NOT IDENT.
FE-59	4.473E-02	8.111E-02	1.668E-01	NOT IDENT.
CO-60	1.062E-02	2.842E-02	5.847E-02	NOT IDENT.
ZN-65	5.709E-03	5.836E-02	1.034E-01	NOT IDENT.
GE-68	-1.837E-02	8.821E-01	1.713E+00	NOT IDENT.
AS-74	3.385E-02	9.675E-02	1.910E-01	NOT IDENT.
SE-75	6.949E-03	2.715E-02	4.690E-02	NOT IDENT.
BR-77	0.000E+00	8.057E+02	0.000E+00	SHORT HLIF
SR-82	4.465E-02	3.537E-01	6.630E-01	NOT IDENT.
RB-83	-3.838E-02	4.584E-02	8.011E-02	NOT IDENT.
RB-84	-1.923E-02	6.298E-02	1.109E-01	NOT IDENT.
KR-85	3.438E+00	4.516E+00	8.469E+00	NOT IDENT.
SR-85	2.107E-02	2.779E-02	5.210E-02	NOT IDENT.
RB-86	1.257E-01	8.856E-01	1.764E+00	NOT IDENT.
Y-88	5.830E-03	2.938E-02	6.508E-02	NOT IDENT.
Y-91	-2.259E+01	1.775E+01	2.757E+01	NOT IDENT.
NB-94	-1.870E-04	2.661E-02	4.873E-02	NOT IDENT.
NB-95	2.079E-02	4.212E-02	7.318E-02	NOT IDENT.
NB-95M	3.220E-02	8.040E-02	1.402E-01	NOT IDENT.
ZR-95	-9.167E-04	5.607E-02	1.041E-01	NOT IDENT.
NB-97	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	1.373E+12	0.000E+00	SHORT HLIF
MO-99	0.000E+00	3.117E+02	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	2.006E+33	0.000E+00	SHORT HLIF
RH-101	2.225E-02	1.047E-02	2.507E-02	FAIL ABUN
RH-102	7.304E-04	3.916E-02	7.334E-02	FAIL ABUN
RU-103	8.180E-03	2.940E-02	5.821E-02	FAIL ABUN
RH-106	5.305E-02	2.154E-01	4.157E-01	NOT IDENT.
RU-106	5.305E-02	2.154E-01	4.157E-01	NOT IDENT.
AG-108M	1.001E-02	1.780E-02	3.590E-02	NOT IDENT.
AG-110	1.529E-01	5.213E-01	1.004E+00	NOT IDENT.
AG-110M	-1.172E-02	3.168E-02	5.547E-02	NOT IDENT.
SN-113	1.404E-02	3.062E-02	5.274E-02	NOT IDENT.
CD-115	0.000E+00	5.586E+02	0.000E+00	SHORT HLIF
SN-117M	1.969E-03	5.407E-02	1.026E-01	NOT IDENT.
SB-122	0.000E+00	7.896E+01	0.000E+00	SHORT HLIF
TE-123M	1.103E-03	1.464E-02	2.785E-02	NOT IDENT.
SB-124	-1.445E-02	6.670E-02	1.353E-01	NOT IDENT.
SB-125	-1.047E-02	5.747E-02	1.091E-01	FAIL ABUN
TE-125M	4.239E-01	4.324E+00	8.513E+00	NOT IDENT.
SB-126	-2.000E-01	2.029E-01	3.281E-01	FAIL ABUN
SB-127	1.317E+00	1.081E+01	2.062E+01	NOT IDENT.
I-131	-9.039E-02	2.314E-01	3.940E-01	NOT IDENT.
I-132	0.000E+00	4.380E+40	0.000E+00	SHORT HLIF
TE-132	-8.364E-01	8.476E+00	1.544E+01	NOT IDENT.
BA-133	-2.398E-02	3.020E-02	4.451E-02	FAIL ABUN
I-133	0.000E+00	3.037E+08	0.000E+00	SHORT HLIF
CS-134	0.000E+00	5.680E-02	6.484E-02	FAIL ABUN
I-135	0.000E+00	1.207E+31	0.000E+00	SHORT HLIF
CS-136	-3.425E-02	1.654E-01	3.114E-01	FAIL ABUN
BA-137M	1.041E-02	2.294E-02	4.180E-02	NOT IDENT.
CS-137	1.100E-02	2.423E-02	4.416E-02	NOT IDENT.
LA-138	1.567E-02	4.095E-02	8.582E-02	NOT IDENT.
CE-139	7.933E-03	1.490E-02	2.901E-02	NOT IDENT.
BA-140	-1.094E-01	3.654E-01	6.749E-01	NOT IDENT.
LA-140	5.458E-02	1.398E-01	2.968E-01	FAIL ABUN
CE-141	-6.136E-03	4.027E-02	7.092E-02	NOT IDENT.
CE-143	0.000E+00	9.416E+04	0.000E+00	SHORT HLIF
CE-144	3.357E-02	8.818E-02	1.629E-01	NOT IDENT.
PM-144	-3.680E-03	2.314E-02	4.234E-02	NOT IDENT.
PR-144	6.620E-01	1.616E+00	3.189E+00	NOT IDENT.
PM-146	2.679E-02	2.489E-02	5.099E-02	FAIL ABUN
ND-147	4.687E-02	7.540E-01	1.467E+00	FAIL ABUN
PM-147	6.418E+01	3.014E+02	5.926E+02	NOT IDENT.
PM-149	0.000E+00	4.409E+03	0.000E+00	SHORT HLIF
EU-150	2.251E-03	1.748E-02	2.583E-02	FAIL ABUN

EU-152	-3.760E-02	6.080E-02	1.015E-01	FAIL ABUN
GD-153	1.386E-02	3.132E-02	5.407E-02	NOT IDENT.
EU-154	4.010E-03	7.603E-02	1.346E-01	NOT IDENT.
TB-160	-7.648E-02	1.120E-01	1.559E-01	FAIL ABUN
HO-166M	2.817E-03	4.190E-02	7.842E-02	NOT IDENT.
HF-172	1.839E-02	8.365E-02	1.534E-01	FAIL ABUN
LU-172	3.884E-02	4.594E-02	9.805E-02	FAIL ABUN
LU-176	-2.785E-04	1.569E-02	2.807E-02	FAIL ABUN
HF-181	-1.649E-02	3.354E-02	6.144E-02	FAIL ABUN
TA-182	7.584E-02	1.364E-01	2.804E-01	NOT IDENT.
RE-183	0.000E+00	7.894E-02	5.770E-02	FAIL ABUN
RE-184	8.200E-02	1.229E-01	2.443E-01	NOT IDENT.
W-188	-3.262E+00	5.222E+00	8.116E+00	FAIL ABUN
IR-192	1.058E-02	2.156E-02	4.055E-02	FAIL ABUN
HG-203	-9.469E-03	2.965E-02	4.784E-02	FAIL ABUN
TL-204	-2.082E-01	1.232E+00	2.075E+00	FAIL ABUN
BI-207	-7.905E-03	3.535E-02	6.676E-02	FAIL ABUN
PB-211	-1.221E-01	4.082E-01	7.731E-01	NOT IDENT.
BI-213	2.407E-02	6.212E-02	1.237E-01	NOT IDENT.
RN-219	3.682E-02	2.582E-01	4.589E-01	FAIL ABUN
RA-223	2.255E-01	3.559E-01	6.353E-01	FAIL ABUN
AC-225	-2.562E-01	8.153E-01	1.473E+00	NOT IDENT.
AC-227	-1.758E-04	1.288E-01	2.356E-01	FAIL ABUN
TH-227	-1.758E-04	1.288E-01	2.356E-01	FAIL ABUN
TH-229	-1.865E-02	2.749E-01	5.088E-01	FAIL ABUN
TH-231	2.255E-01	3.559E-01	6.353E-01	FAIL ABUN
PA-233	3.596E-02	3.517E-02	6.904E-02	FAIL ABUN
PA-234	8.230E-02	1.940E-01	4.026E-01	FAIL ABUN
PA-234M	1.363E+00	3.487E+00	6.396E+00	NOT IDENT.
NP-237	3.596E-02	3.517E-02	6.904E-02	FAIL ABUN
NP-238	0.000E+00	1.268E+03	0.000E+00	SHORT HLIF
NP-239	-3.390E-02	1.004E-01	1.928E-01	FAIL ABUN
PU-239	0.000E+00	2.572E+02	3.246E+02	FAIL ABUN
AM-241	-1.013E-02	2.342E-02	3.959E-02	NOT IDENT.
CM-243	0.000E+00	8.623E-02	6.785E-02	FAIL ABUN
BK-247	-4.937E-03	4.609E-02	7.671E-02	FAIL ABUN
CM-247	1.088E-02	2.145E-02	4.320E-02	FAIL ABUN
CF-249	9.874E-03	2.664E-02	4.827E-02	NOT IDENT.
CF-251	6.210E-02	6.575E-02	1.295E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-DEC-2023 21:29:13.09

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	112	10.66*	9.283E-01	3.200E+00	3.200E+00	26.62
AS-73	53.44	36	10.30*	1.184E+01	8.282E-02	1.067E-01	124.14
CD-109	88.03	458	3.70*	1.124E+01	3.104E+00	3.244E+00	18.34
I-126	388.63	51	35.60	3.637E+00	1.120E-01	5.404E-01	78.57
	666.33	71	32.90*	2.081E+00	2.913E-01	1.405E+00	44.69
	753.82	------	4.15	1.828E+00	------ Line Not Found		------
SN-126	64.28	221	9.60	1.192E+01	5.454E-01	5.454E-01	51.27
	86.94	458	8.90	1.124E+01	1.291E+00	1.291E+00	18.34
	87.57	458	37.00*	1.124E+01	3.104E-01	3.104E-01	18.34
EU-155	86.55	458	30.70	1.124E+01	3.741E-01	3.786E-01	18.34
	105.31	81	21.10*	1.044E+01	1.036E-01	1.049E-01	83.93
TM-171	51.35	34	0.27	1.178E+01	3.026E+00	3.115E+00	80.38
	52.39	34	0.47*	1.178E+01	1.739E+00	1.790E+00	80.38
	66.73	------	0.14	1.188E+01	------ Line Not Found		------
TL-208	277.37	38	6.60	5.078E+00	3.177E-01	3.177E-01	130.87
	583.19	230	85.00*	2.396E+00	3.182E-01	3.182E-01	17.89
	860.56	------	12.50	1.591E+00	------ Line Not Found		------
BI-210	46.54	184	4.25*	1.144E+01	1.064E+00	1.066E+00	32.39
PB-210	46.54	184	4.25*	1.144E+01	1.064E+00	1.066E+00	32.39
BI-211	72.87	31	1.23	1.175E+01	6.044E-01	6.044E-01	172.64
	351.06	970	12.92*	4.032E+00	5.250E+00	5.250E+00	8.67
BI-212	727.33	71	6.67*	1.900E+00	1.586E+00	1.586E+00	43.73
	1620.50	------	1.47	8.380E-01	------ Line Not Found		------
PB-212	74.82	851	10.28	1.169E+01	1.997E+00	1.997E+00	10.27
	77.11	1345	17.10	1.162E+01	1.908E+00	1.908E+00	7.48
	238.63	1017	43.60*	5.831E+00	1.128E+00	1.128E+00	7.39
	300.09	80	3.30	4.713E+00	1.447E+00	1.447E+00	52.37
BI-214	609.32	592	45.49*	2.288E+00	1.604E+00	1.604E+00	10.82
	1120.29	109	14.92	1.212E+00	1.696E+00	1.696E+00	28.17
	1764.49	82	15.30	7.724E-01	1.965E+00	1.965E+00	22.62
PB-214	74.82	851	5.80	1.169E+01	3.539E+00	3.539E+00	10.27
	77.11	1345	9.70	1.162E+01	3.364E+00	3.365E+00	7.48
	87.09	458	3.41	1.124E+01	3.368E+00	3.368E+00	18.34
	242.00	459	7.25	5.764E+00	3.098E+00	3.098E+00	19.54
	295.22	620	18.42	4.787E+00	1.981E+00	1.981E+00	9.67
	351.93	970	35.60*	4.032E+00	1.906E+00	1.906E+00	8.67
RN-222	609.32	592	45.49*	2.288E+00	1.604E+00	1.604E+00	10.82
	1120.29	109	14.92	1.212E+00	1.696E+00	1.696E+00	28.17
	1764.49	82	15.30	7.724E-01	1.965E+00	1.965E+00	22.62
RA-224	240.99	459	4.10*	5.764E+00	5.477E+00	5.477E+00	19.54
RA-226	74.82	851	5.80	1.169E+01	3.539E+00	3.539E+00	10.27
	77.11	1345	9.70	1.162E+01	3.364E+00	3.365E+00	7.48
	87.09	458	3.41	1.124E+01	3.368E+00	3.368E+00	18.34
	242.00	459	7.25	5.764E+00	3.098E+00	3.098E+00	19.54
	295.22	620	18.42	4.787E+00	1.981E+00	1.981E+00	9.67
	351.93	970	35.60*	4.032E+00	1.906E+00	1.906E+00	8.67
AC-228	105.21	81	1.10	1.044E+01	1.988E+00	1.988E+00	83.93

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	338.32	156	11.27	4.193E+00	9.316E-01	9.316E-01	30.21
	835.71	------	1.61	1.641E+00	------ Line Not Found		------
	911.20	139	25.80*	1.500E+00	1.013E+00	1.013E+00	24.68
	968.97	98	15.80	1.407E+00	1.247E+00	1.247E+00	26.13
RA-228	105.21	81	1.10	1.044E+01	1.988E+00	1.988E+00	83.93
	338.32	156	11.27	4.193E+00	9.316E-01	9.316E-01	30.21
	835.71	------	1.61	1.641E+00	------ Line Not Found		------
	911.20	139	25.80*	1.500E+00	1.013E+00	1.013E+00	24.68
	968.97	98	15.80	1.407E+00	1.247E+00	1.247E+00	26.13
TH-228	74.82	851	10.28	1.169E+01	1.997E+00	1.997E+00	10.27
	77.11	1345	17.10	1.162E+01	1.908E+00	1.908E+00	7.48
	238.63	1017	43.60*	5.831E+00	1.128E+00	1.128E+00	7.39
	300.09	80	3.30	4.713E+00	1.447E+00	1.447E+00	52.37
TH-230	74.82	851	5.80	1.169E+01	3.539E+00	3.539E+00	10.27
	77.11	1345	9.70	1.162E+01	3.364E+00	3.364E+00	7.48
	87.09	458	3.41	1.124E+01	3.368E+00	3.368E+00	18.34
	242.00	459	7.25	5.764E+00	3.098E+00	3.098E+00	19.54
	295.22	620	18.42	4.787E+00	1.981E+00	1.981E+00	9.67
	351.93	970	35.60*	4.032E+00	1.906E+00	1.906E+00	8.67
PA-231	283.69	------	1.70	4.970E+00	------ Line Not Found		------
	301.36	80	5.35*	4.713E+00	8.926E-01	8.926E-01	52.37
TH-232	105.21	81	1.10	1.044E+01	1.988E+00	1.988E+00	83.93
	338.32	156	11.27	4.193E+00	9.316E-01	9.316E-01	30.21
	835.71	------	1.61	1.641E+00	------ Line Not Found		------
	911.20	139	25.80*	1.500E+00	1.013E+00	1.013E+00	24.68
	968.97	98	15.80	1.407E+00	1.247E+00	1.247E+00	26.13
TH-234	63.29	221	3.70*	1.192E+01	1.415E+00	1.415E+00	51.27
	92.59	511	4.23	1.099E+01	3.101E+00	3.101E+00	13.73
U-234	74.82	851	5.80	1.169E+01	3.539E+00	3.539E+00	10.27
	77.11	1345	9.70	1.162E+01	3.364E+00	3.364E+00	7.48
	87.09	458	3.41	1.124E+01	3.368E+00	3.368E+00	18.34
	242.00	459	7.25	5.764E+00	3.098E+00	3.098E+00	19.54
	295.22	620	18.42	4.787E+00	1.981E+00	1.981E+00	9.67
	351.93	970	35.60*	4.032E+00	1.906E+00	1.906E+00	8.67
U-235	89.96	275	3.47	1.112E+01	2.010E+00	2.010E+00	25.73
	93.35	511	5.60	1.099E+01	2.342E+00	2.342E+00	13.73
	143.76	23	10.96*	8.709E+00	6.844E-02	6.844E-02	261.89
	163.33	------	5.08	7.960E+00	------ Line Not Found		------
	185.72	334	57.20	7.200E+00	2.286E-01	2.286E-01	29.62
	205.31	------	5.01	6.643E+00	------ Line Not Found		------
U-238	63.29	221	3.70*	1.192E+01	1.415E+00	1.415E+00	51.27
	92.59	511	4.23	1.099E+01	3.101E+00	3.101E+00	13.73
AM-243	43.53	------	5.90	1.119E+01	------ Line Not Found		------
	74.66	851	67.20*	1.169E+01	3.054E-01	3.054E-01	10.27
ANH-511	511.00	47	100.00*	2.750E+00	4.805E-02	4.805E-02	111.77

Flag: "*" = Keyline

Sample ID : G645981001 Acquisition date : 12-DEC-2023 19:28:47

Total number of lines in spectrum 71
Number of unidentified lines 20
Number of lines tentatively identified by NID 51 71.83%

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	3.200E+00	3.200E+00	0.852E+00	26.62	
AS-73	80.30D	1.29	8.282E-02	1.067E-01	1.325E-01	124.14	
CD-109	461.40D	1.05	3.104E+00	3.244E+00	0.595E+00	18.34	
I-126	12.93D	4.82	2.913E-01	1.405E+00	0.628E+00	44.69	
SN-126	2.30E+05Y	1.00	3.104E-01	3.104E-01	0.569E-01	18.34	
EU-155	4.75Y	1.01	1.036E-01	1.049E-01	0.880E-01	83.93	
TM-171	1.92Y	1.03	1.739E+00	1.790E+00	1.439E+00	80.38	
TL-208	1.41E+10Y	1.00	3.182E-01	3.182E-01	0.569E-01	17.89	
BI-210	22.20Y	1.00	1.064E+00	1.066E+00	0.345E+00	32.39	
PB-210	22.20Y	1.00	1.064E+00	1.066E+00	0.345E+00	32.39	
BI-211	7.04E+08Y	1.00	5.250E+00	5.250E+00	0.455E+00	8.67	
BI-212	1.41E+10Y	1.00	1.586E+00	1.586E+00	0.694E+00	43.73	
PB-212	1.41E+10Y	1.00	1.128E+00	1.128E+00	0.083E+00	7.39	
BI-214	1600.00Y	1.00	1.604E+00	1.604E+00	0.174E+00	10.82	
PB-214	1600.00Y	1.00	1.906E+00	1.906E+00	0.165E+00	8.67	
RN-222	1600.00Y	1.00	1.604E+00	1.604E+00	0.174E+00	10.82	
RA-224	1.41E+10Y	1.00	5.477E+00	5.477E+00	1.070E+00	19.54	
RA-226	1600.00Y	1.00	1.906E+00	1.906E+00	0.165E+00	8.67	
AC-228	1.41E+10Y	1.00	1.013E+00	1.013E+00	0.250E+00	24.68	
RA-228	1.41E+10Y	1.00	1.013E+00	1.013E+00	0.250E+00	24.68	
TH-228	1.41E+10Y	1.00	1.128E+00	1.128E+00	0.083E+00	7.39	
TH-230	7.54E+04Y	1.00	1.906E+00	1.906E+00	0.165E+00	8.67	
PA-231	7.04E+08Y	1.00	8.926E-01	8.926E-01	4.675E-01	52.37	
TH-232	1.41E+10Y	1.00	1.013E+00	1.013E+00	0.250E+00	24.68	
TH-234	4.47E+09Y	1.00	1.415E+00	1.415E+00	0.726E+00	51.27	
U-234	2.45E+05Y	1.00	1.906E+00	1.906E+00	0.165E+00	8.67	
U-235	7.04E+08Y	1.00	6.844E-02	6.844E-02	17.92E-02	261.89	
U-238	4.47E+09Y	1.00	1.415E+00	1.415E+00	0.726E+00	51.27	
AM-243	7370.00Y	1.00	3.054E-01	3.054E-01	0.314E-01	10.27	
ANH-511	1.00E+09Y	1.00	4.805E-02	4.805E-02	5.371E-02	111.77	
			---------	---------			
	Total Activity :		4.386E+01	4.520E+01			

Grand Total Activity : 4.386E+01 4.520E+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	39.96	44	203	1.19	79.35	77	6	4.97E-03	****	1.08E+01	
0	57.29	69	473	0.96	114.01	111	9	7.98E-03	****	1.19E+01	T
5	83.88	195	385	1.15	167.18	164	18	2.32E-02	39.4	1.14E+01	T
8	94.11	103	342	1.59	187.65	182	10	1.23E-02	85.6	1.09E+01	T
2	127.96	49	70	0.98	255.34	254	12	6.05E-03	48.0	9.38E+00	T
2	129.28	76	212	1.00	257.98	254	12	9.27E-03	72.2	9.32E+00	T
0	170.72	46	263	2.12	340.87	337	8	5.76E-03	****	7.70E+00	
0	208.99	100	245	1.13	417.42	414	9	1.27E-02	62.8	6.54E+00	
0	270.01	133	178	2.24	539.47	533	12	1.71E-02	45.4	5.21E+00	T
4	325.95	17	31	0.94	651.36	650	14	2.15E-03	****	4.35E+00	T
4	327.72	63	83	1.54	654.90	650	14	8.15E-03	62.8	4.32E+00	T
0	458.13	26	28	1.15	915.75	913	8	3.47E-03	81.7	3.08E+00	
0	462.82	73	58	0.96	925.14	920	11	9.78E-03	47.9	3.05E+00	T
0	562.87	25	49	1.89	1125.29	1119	10	3.40E-03	****	2.49E+00	T
0	735.66	14	10	0.92	1470.95	1468	6	1.90E-03	92.0	1.88E+00	T
0	767.97	70	36	2.19	1535.60	1529	13	9.64E-03	42.8	1.79E+00	T
0	785.75	38	41	1.33	1571.18	1564	14	5.22E-03	79.9	1.75E+00	
0	794.59	39	36	0.71	1588.85	1582	16	5.36E-03	76.7	1.73E+00	T
0	806.14	25	27	0.71	1611.98	1607	10	3.42E-03	93.8	1.70E+00	
0	819.05	16	21	0.82	1637.80	1629	12	2.22E-03	****	1.68E+00	T
0	876.85	12	15	1.72	1753.45	1749	7	1.68E-03	****	1.56E+00	
0	932.52	37	21	4.83	1864.83	1858	12	5.14E-03	59.5	1.46E+00	
3	961.19	14	4	1.95	1922.19	1920	13	2.03E-03	56.3	1.42E+00	T
3	964.54	36	13	1.63	1928.90	1920	13	5.05E-03	47.0	1.41E+00	T
0	975.16	5	14	1.28	1950.16	1944	9	6.98E-04	****	1.40E+00	
0	999.31	18	15	3.56	1998.47	1993	10	2.61E-03	89.8	1.36E+00	
0	1015.60	39	34	7.40	2031.07	2021	26	5.49E-03	85.4	1.34E+00	
0	1237.88	29	21	1.96	2475.87	2470	11	4.12E-03	71.3	1.09E+00	T
0	1264.24	21	7	2.05	2528.63	2521	15	2.99E-03	70.3	1.07E+00	
1	1276.92	23	3	2.02	2554.00	2550	15	3.30E-03	41.2	1.06E+00	
1	1279.42	28	2	2.02	2559.00	2550	15	4.05E-03	46.0	1.06E+00	
0	1313.51	11	6	3.48	2627.23	2620	12	1.53E-03	****	1.03E+00	T
0	1369.65	8	19	3.80	2739.58	2727	16	1.23E-03	****	9.89E-01	T
0	1377.34	35	23	1.41	2754.97	2747	16	5.00E-03	69.4	9.83E-01	
0	1401.96	14	9	2.60	2804.24	2798	11	2.06E-03	99.3	9.66E-01	
0	1407.74	34	5	2.27	2815.81	2809	17	4.87E-03	43.5	9.62E-01	T
0	1508.45	18	5	2.33	3017.38	3012	11	2.69E-03	65.3	8.99E-01	
0	1558.81	8	3	0.53	3118.16	3114	8	1.20E-03	****	8.70E-01	
0	1728.61	31	7	2.18	3458.05	3450	14	4.58E-03	48.7	7.87E-01	
0	1846.44	17	3	2.82	3693.90	3686	14	2.56E-03	63.5	7.39E-01	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 12-DEC-2023 21:29:24.57

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981001.CNF;1    *
* Acquisition date : 12-DEC-2023 19:28:47 Sensitivity     : 3.000          *
* Detector ID      : GAM21                Energy tolerance: 1.500          *
* Elapsed live time:    0 02:00:00.00     Abundance limit : 75.000         *
* Elapsed real time:    0 02:00:01.03     Half life ratio : *****          *
* Sample date      : 13-NOV-2023 12:00:00 Nuclide Library : SOLID          *
* Sample ID        : G645981001           Analyst initials: RXF2           *
* Batch Number     : 2529194              Sample Quantity : 1.3316E+02 GRAM   *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000     *
*                                         Dry Weight      :    0.00000     *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   :  3-JUL-2023 09:20:00 Eff. Geometry   : CAN           *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM21_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/GRAM)
K-40	2.479E-01
AS-73	7.401E-02
CD-109	2.021E-01
I-126	2.324E-01
SN-126	1.929E-02
EU-155	3.308E-02
TM-171	1.297E+00
TL-208	2.040E-02
BI-210	1.324E-01
PB-210	1.324E-01
BI-211	1.013E-01
BI-212	2.593E-01
PB-212	2.532E-02
BI-214	3.765E-02
PB-214	3.688E-02
RN-222	3.765E-02
RA-224	2.721E-01
RA-226	3.688E-02
AC-228	8.268E-02
RA-228	8.268E-02
TH-228	2.532E-02
TH-230	3.688E-02
PA-231	2.346E-01
TH-232	8.268E-02
TH-234	2.060E-01
U-234	3.688E-02
U-235	8.001E-02
U-238	2.060E-01
AM-243	1.178E-02
ANH-511	1.597E-02

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	2.242E-01	NOT IDENT.

NA-22	2.064E-02	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF
AL-26	1.936E-02	NOT IDENT.
SC-46	1.919E-02	FAIL ABUN
V-48	6.711E-02	FAIL ABUN
CR-51	2.571E-01	NOT IDENT.
MN-52	9.176E-01	NOT IDENT.
MN-54	2.370E-02	NOT IDENT.
CO-56	2.702E-02	FAIL ABUN
MN-56	0.000E+00	SHORT HLIF
CO-57	1.017E-02	NOT IDENT.
CO-58	2.589E-02	NOT IDENT.
FE-59	7.475E-02	NOT IDENT.
CO-60	2.544E-02	NOT IDENT.
ZN-65	4.494E-02	NOT IDENT.
GE-68	7.549E-01	NOT IDENT.
AS-74	8.669E-02	NOT IDENT.
SE-75	2.197E-02	NOT IDENT.
BR-77	0.000E+00	SHORT HLIF
SR-82	2.994E-01	NOT IDENT.
RB-83	3.601E-02	NOT IDENT.
RB-84	4.877E-02	NOT IDENT.
KR-85	3.907E+00	NOT IDENT.
SR-85	2.403E-02	NOT IDENT.
RB-86	7.771E-01	NOT IDENT.
Y-88	2.630E-02	NOT IDENT.
Y-91	1.193E+01	NOT IDENT.
NB-94	2.240E-02	NOT IDENT.
NB-95	3.365E-02	NOT IDENT.
NB-95M	6.645E-02	NOT IDENT.
ZR-95	4.669E-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	1.191E-02	FAIL ABUN
RH-102	3.349E-02	FAIL ABUN
RU-103	2.658E-02	FAIL ABUN
RH-106	1.895E-01	NOT IDENT.
RU-106	1.895E-01	NOT IDENT.
AG-108M	1.663E-02	NOT IDENT.
AG-110	4.582E-01	NOT IDENT.
AG-110M	2.402E-02	NOT IDENT.
SN-113	2.440E-02	NOT IDENT.
CD-115	0.000E+00	SHORT HLIF
SN-117M	4.880E-02	NOT IDENT.
SB-122	0.000E+00	SHORT HLIF
TE-123M	1.324E-02	NOT IDENT.
SB-124	5.369E-02	NOT IDENT.
SB-125	5.051E-02	FAIL ABUN
TE-125M	4.052E+00	NOT IDENT.
SB-126	1.446E-01	FAIL ABUN
SB-127	9.287E+00	NOT IDENT.
I-131	1.815E-01	NOT IDENT.
I-132	0.000E+00	SHORT HLIF
TE-132	7.299E+00	NOT IDENT.
BA-133	2.067E-02	FAIL ABUN
I-133	0.000E+00	SHORT HLIF
CS-134	2.974E-02	FAIL ABUN
I-135	0.000E+00	SHORT HLIF
CS-136	1.384E-01	FAIL ABUN
BA-137M	1.885E-02	NOT IDENT.
CS-137	1.991E-02	NOT IDENT.
LA-138	3.674E-02	NOT IDENT.
CE-139	1.378E-02	NOT IDENT.
BA-140	3.074E-01	NOT IDENT.
LA-140	1.252E-01	FAIL ABUN
CE-141	3.369E-02	NOT IDENT.
CE-143	0.000E+00	SHORT HLIF
CE-144	7.729E-02	NOT IDENT.
PM-144	1.911E-02	NOT IDENT.
PR-144	1.439E+00	NOT IDENT.
PM-146	2.356E-02	FAIL ABUN
ND-147	6.619E-01	FAIL ABUN
PM-147	2.817E+02	NOT IDENT.
PM-149	0.000E+00	SHORT HLIF
EU-150	1.196E-02	FAIL ABUN
EU-152	4.719E-02	FAIL ABUN

GD-153	2.566E-02	NOT IDENT.
EU-154	5.695E-02	NOT IDENT.
TB-160	6.708E-02	FAIL ABUN
HO-166M	3.554E-02	NOT IDENT.
HF-172	7.290E-02	FAIL ABUN
LU-172	4.399E-02	FAIL ABUN
LU-176	1.313E-02	FAIL ABUN
HF-181	2.806E-02	FAIL ABUN
TA-182	1.249E-01	NOT IDENT.
RE-183	2.754E-02	FAIL ABUN
RE-184	1.103E-01	NOT IDENT.
W-188	3.790E+00	FAIL ABUN
IR-192	1.889E-02	FAIL ABUN
HG-203	2.245E-02	FAIL ABUN
TL-204	9.939E-01	FAIL ABUN
BI-207	2.935E-02	FAIL ABUN
PB-211	3.572E-01	NOT IDENT.
BI-213	5.717E-02	NOT IDENT.
RN-219	2.128E-01	FAIL ABUN
RA-223	2.953E-01	FAIL ABUN
AC-225	6.946E-01	NOT IDENT.
AC-227	1.103E-01	FAIL ABUN
TH-227	1.103E-01	FAIL ABUN
TH-229	2.417E-01	FAIL ABUN
TH-231	2.953E-01	FAIL ABUN
PA-233	3.229E-02	FAIL ABUN
PA-234	1.791E-01	FAIL ABUN
PA-234M	2.862E+00	NOT IDENT.
NP-237	3.229E-02	FAIL ABUN
NP-238	0.000E+00	SHORT HLIF
NP-239	9.136E-02	FAIL ABUN
PU-239	1.556E+02	FAIL ABUN
AM-241	1.886E-02	NOT IDENT.
CM-243	3.211E-02	FAIL ABUN
BK-247	3.589E-02	FAIL ABUN
CM-247	2.007E-02	FAIL ABUN
CF-249	2.252E-02	NOT IDENT.
CF-251	6.170E-02	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-DEC-2023 21:29:29.26

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*****************************************************************************
*                            GEL Laboratories LLC                           *
*                              2040 Savage Road                             *
*                            Charleston, SC 29407                           *
*****************************************************************************
*                                                                           *
*                          DETECTOR AND SAMPLE DATA                         *
*                                                                           *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981001.CNF;1   *
* Acquisition date : 12-DEC-2023 19:28:47 Sensitivity     : 3.000           *
* Detector ID      : GAM21                Energy tolerance: 1.500           *
* Elapsed live time:    0 02:00:00.00     Abundance limit : 75.000          *
* Elapsed real time:    0 02:00:01.03     Half life ratio : *****           *
* Sample date      : 13-NOV-2023 12:00:00 Nuclide Library : SOLID           *
* Sample ID        : G645981001           Analyst initials: RXF2            *
* Batch Number     : 2529194              Sample Quantity : 1.3316E+02 GRAM *
*                                         Quantity Err(%) : 1.5020E-03 %    *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000      *
*                                         Dry Weight      :    0.00000      *
*****************************************************************************
*                                                                           *
*                          CALIBRATION INFORMATION                          *
*                                                                           *
* Eff. Cal. date   :  3-JUL-2023 09:20:00 Eff. Geometry   : CAN             *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM21_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/GRAM)	Act Error (1.96-sigma)	TPU (1.96-sigma)
K-40	3.200E+00	8.816E-01	8.816E-01
AS-73	1.067E-01	1.317E-01	1.317E-01
CD-109	3.244E+00	6.669E-01	6.669E-01
I-126	1.405E+00	6.460E-01	6.460E-01
SN-126	3.104E-01	6.166E-02	6.166E-02
EU-155	1.049E-01	8.716E-02	8.716E-02
TM-171	1.790E+00	1.420E+00	1.420E+00
TL-208	3.182E-01	6.746E-02	6.746E-02
BI-210	1.066E+00	3.529E-01	3.529E-01
PB-210	1.066E+00	3.529E-01	3.529E-01
BI-211	5.250E+00	6.220E-01	6.220E-01
BI-212	1.586E+00	7.111E-01	7.111E-01
PB-212	1.128E+00	1.471E-01	1.471E-01
BI-214	1.604E+00	2.615E-01	2.615E-01
PB-214	1.906E+00	2.236E-01	2.236E-01
RN-222	1.604E+00	2.615E-01	2.615E-01
RA-224	5.477E+00	1.201E+00	1.201E+00
RA-226	1.906E+00	2.236E-01	2.236E-01
AC-228	1.013E+00	2.675E-01	2.675E-01
RA-228	1.013E+00	2.675E-01	2.675E-01
TH-228	1.128E+00	1.471E-01	1.471E-01
TH-230	1.906E+00	2.236E-01	2.236E-01
PA-231	8.926E-01	4.992E-01	4.992E-01
TH-232	1.013E+00	2.675E-01	2.675E-01
TH-234	1.415E+00	7.797E-01	7.797E-01
U-234	1.906E+00	2.236E-01	2.236E-01
U-235	6.844E-02	1.759E-01	1.759E-01
U-238	1.415E+00	7.797E-01	7.797E-01
AM-243	3.054E-01	3.938E-02	3.938E-02
ANH-511	4.805E-02	5.288E-02	5.288E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)

BE-7	-3.047E-02	2.570E-01	2.574E-01	NOT IDENT.
NA-22	2.511E-03	2.724E-02	2.726E-02	NOT IDENT.
NA-24	3.322E+12	7.691E+12	7.835E+12	SHORT HLIF
AL-26	-2.379E-02	2.906E-02	3.098E-02	NOT IDENT.
SC-46	-1.462E-02	2.655E-02	2.736E-02	FAIL ABUN
V-48	-2.566E-02	8.142E-02	8.224E-02	FAIL ABUN
CR-51	1.254E-01	2.962E-01	3.015E-01	NOT IDENT.
MN-52	-4.477E-01	1.199E+00	1.216E+00	NOT IDENT.
MN-54	-4.308E-03	2.935E-02	2.941E-02	NOT IDENT.
CO-56	-1.359E-02	3.486E-02	3.539E-02	FAIL ABUN
MN-56	-1.000E+41	2.530E+41	0.000E+00	SHORT HLIF
CO-57	2.908E-03	1.087E-02	1.095E-02	NOT IDENT.
CO-58	1.711E-02	3.158E-02	3.251E-02	NOT IDENT.
FE-59	4.473E-02	8.125E-02	8.371E-02	NOT IDENT.
CO-60	1.062E-02	2.844E-02	2.884E-02	NOT IDENT.
ZN-65	5.709E-03	5.836E-02	5.842E-02	NOT IDENT.
GE-68	-1.837E-02	8.821E-01	8.821E-01	NOT IDENT.
AS-74	3.385E-02	9.686E-02	9.806E-02	NOT IDENT.
SE-75	6.949E-03	2.715E-02	2.733E-02	NOT IDENT.
BR-77	1.112E+04	9.527E+03	1.076E+04	SHORT HLIF
SR-82	4.465E-02	3.537E-01	3.543E-01	NOT IDENT.
RB-83	-3.838E-02	4.630E-02	4.943E-02	NOT IDENT.
RB-84	-1.923E-02	6.301E-02	6.361E-02	NOT IDENT.
KR-85	3.438E+00	4.531E+00	4.789E+00	NOT IDENT.
SR-85	2.107E-02	2.788E-02	2.945E-02	NOT IDENT.
RB-86	1.257E-01	8.857E-01	8.875E-01	NOT IDENT.
Y-88	5.830E-03	2.938E-02	2.950E-02	NOT IDENT.
Y-91	-2.259E+01	1.784E+01	2.054E+01	NOT IDENT.
NB-94	-1.870E-04	2.661E-02	2.661E-02	NOT IDENT.
NB-95	2.079E-02	4.220E-02	4.322E-02	NOT IDENT.
NB-95M	3.220E-02	8.050E-02	8.180E-02	NOT IDENT.
ZR-95	-9.167E-04	5.607E-02	5.607E-02	NOT IDENT.
NB-97	1.000E+41	6.770E+41	0.000E+00	SHORT HLIF
ZR-97	6.077E+11	1.375E+12	1.402E+12	SHORT HLIF
MO-99	-1.303E+02	3.122E+02	3.176E+02	SHORT HLIF
TC-99M	-6.968E+32	2.009E+33	0.000E+00	SHORT HLIF
RH-101	2.225E-02	1.158E-02	1.532E-02	FAIL ABUN
RH-102	7.304E-04	3.916E-02	3.916E-02	FAIL ABUN
RU-103	8.180E-03	2.942E-02	2.965E-02	FAIL ABUN
RH-106	5.305E-02	2.155E-01	2.168E-01	NOT IDENT.
RU-106	5.305E-02	2.155E-01	2.168E-01	NOT IDENT.
AG-108M	1.001E-02	1.783E-02	1.839E-02	NOT IDENT.
AG-110	1.529E-01	5.217E-01	5.263E-01	NOT IDENT.
AG-110M	-1.172E-02	3.170E-02	3.214E-02	NOT IDENT.
SN-113	1.404E-02	3.064E-02	3.128E-02	NOT IDENT.
CD-115	3.317E+01	5.586E+02	5.588E+02	SHORT HLIF
SN-117M	1.969E-03	5.407E-02	5.408E-02	NOT IDENT.
SB-122	7.140E+01	7.938E+01	8.566E+01	SHORT HLIF
TE-123M	1.103E-03	1.465E-02	1.465E-02	NOT IDENT.
SB-124	-1.445E-02	6.671E-02	6.703E-02	NOT IDENT.
SB-125	-1.047E-02	5.748E-02	5.768E-02	FAIL ABUN
TE-125M	4.239E-01	4.324E+00	4.328E+00	NOT IDENT.
SB-126	-2.000E-01	2.054E-01	2.243E-01	FAIL ABUN
SB-127	1.317E+00	1.081E+01	1.083E+01	NOT IDENT.
I-131	-9.039E-02	2.316E-01	2.351E-01	NOT IDENT.
I-132	1.000E+41	1.866E+41	0.000E+00	SHORT HLIF
TE-132	-8.364E-01	8.477E+00	8.485E+00	NOT IDENT.
BA-133	-2.398E-02	3.026E-02	3.214E-02	FAIL ABUN
I-133	-1.965E+08	3.066E+08	3.192E+08	SHORT HLIF
CS-134	7.561E-02	5.753E-02	6.687E-02	FAIL ABUN
I-135	-1.422E+30	1.211E+31	0.000E+00	SHORT HLIF
CS-136	-3.425E-02	1.654E-01	1.662E-01	FAIL ABUN
BA-137M	1.041E-02	2.298E-02	2.346E-02	NOT IDENT.
CS-137	1.100E-02	2.428E-02	2.478E-02	NOT IDENT.
LA-138	1.567E-02	4.097E-02	4.158E-02	NOT IDENT.
CE-139	7.933E-03	1.502E-02	1.544E-02	NOT IDENT.
BA-140	-1.094E-01	3.656E-01	3.689E-01	NOT IDENT.
LA-140	5.458E-02	1.398E-01	1.420E-01	FAIL ABUN
CE-141	-6.136E-03	4.028E-02	4.038E-02	NOT IDENT.
CE-143	1.175E+05	9.460E+04	1.084E+05	SHORT HLIF
CE-144	3.357E-02	8.831E-02	8.960E-02	NOT IDENT.
PM-144	-3.680E-03	2.315E-02	2.321E-02	NOT IDENT.
PR-144	6.620E-01	1.618E+00	1.645E+00	NOT IDENT.
PM-146	2.679E-02	2.508E-02	2.783E-02	FAIL ABUN
ND-147	4.687E-02	7.541E-01	7.544E-01	FAIL ABUN
PM-147	6.418E+01	3.016E+02	3.029E+02	NOT IDENT.
PM-149	1.363E+02	4.409E+03	4.409E+03	SHORT HLIF
EU-150	2.251E-03	1.748E-02	1.751E-02	FAIL ABUN

EU-152	-3.760E-02	6.089E-02	6.321E-02	FAIL ABUN
GD-153	1.386E-02	3.135E-02	3.197E-02	NOT IDENT.
EU-154	4.010E-03	7.603E-02	7.605E-02	NOT IDENT.
TB-160	-7.648E-02	1.123E-01	1.175E-01	FAIL ABUN
HO-166M	2.817E-03	4.190E-02	4.192E-02	NOT IDENT.
HF-172	1.839E-02	8.374E-02	8.415E-02	FAIL ABUN
LU-172	3.884E-02	4.621E-02	4.942E-02	FAIL ABUN
LU-176	-2.785E-04	1.569E-02	1.569E-02	FAIL ABUN
HF-181	-1.649E-02	3.358E-02	3.439E-02	FAIL ABUN
TA-182	7.584E-02	1.365E-01	1.407E-01	NOT IDENT.
RE-183	6.347E-02	7.925E-02	8.425E-02	FAIL ABUN
RE-184	8.200E-02	1.233E-01	1.287E-01	NOT IDENT.
W-188	-3.262E+00	5.238E+00	5.441E+00	FAIL ABUN
IR-192	1.058E-02	2.158E-02	2.210E-02	FAIL ABUN
HG-203	-9.469E-03	2.966E-02	2.996E-02	FAIL ABUN
TL-204	-2.082E-01	1.232E+00	1.235E+00	FAIL ABUN
BI-207	-7.905E-03	3.535E-02	3.553E-02	FAIL ABUN
PB-211	-1.221E-01	4.084E-01	4.120E-01	NOT IDENT.
BI-213	2.407E-02	6.216E-02	6.310E-02	NOT IDENT.
RN-219	3.682E-02	2.583E-01	2.588E-01	FAIL ABUN
RA-223	2.255E-01	3.565E-01	3.707E-01	FAIL ABUN
AC-225	-2.562E-01	8.160E-01	8.242E-01	NOT IDENT.
AC-227	-1.758E-04	1.288E-01	1.288E-01	FAIL ABUN
TH-227	-1.758E-04	1.288E-01	1.288E-01	FAIL ABUN
TH-229	-1.865E-02	2.750E-01	2.751E-01	FAIL ABUN
TH-231	2.255E-01	3.565E-01	3.707E-01	FAIL ABUN
PA-233	3.596E-02	3.529E-02	3.883E-02	FAIL ABUN
PA-234	8.230E-02	2.157E-01	2.189E-01	FAIL ABUN
PA-234M	1.363E+00	3.490E+00	3.543E+00	NOT IDENT.
NP-237	3.596E-02	3.529E-02	3.883E-02	FAIL ABUN
NP-238	-5.799E+02	1.269E+03	1.296E+03	SHORT HLIF
NP-239	-3.390E-02	1.005E-01	1.017E-01	FAIL ABUN
PU-239	3.634E+02	2.622E+02	3.092E+02	FAIL ABUN
AM-241	-1.013E-02	2.344E-02	2.388E-02	NOT IDENT.
CM-243	1.048E-01	8.735E-02	9.932E-02	FAIL ABUN
BK-247	-4.937E-03	4.610E-02	4.615E-02	FAIL ABUN
CM-247	1.088E-02	2.155E-02	2.210E-02	FAIL ABUN
CF-249	9.874E-03	2.666E-02	2.703E-02	NOT IDENT.
CF-251	6.210E-02	6.657E-02	7.222E-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	82.4398	85.43	133.6989	131.20	115.8456
45.60	84.6993	86.55	134.2509	133.02	103.0886
46.54	85.1824	86.79	134.3672	133.52	102.1093
49.72	80.6701	86.94	134.4424	136.00	113.0843
51.35	102.3841	87.09	134.5162	136.47	119.0888
51.87	91.5453	87.57	134.7504	140.51	0.0000
52.39	100.4911	88.03	134.9746	143.76	124.6534
52.97	100.8094	88.34	135.1264	144.24	124.7960
53.44	101.0658	88.47	135.1889	145.44	125.7261
54.07	101.4076	89.96	135.9098	152.43	146.3771
57.36	0.0000	1093.63	139.1660	153.25	134.4304
57.53	109.6259	91.11	139.3964	323.87	132.9722
57.98	109.8752	92.59	119.4681	156.02	141.4204
59.27	110.5871	93.35	119.7820	158.56	125.4374
59.32	110.6146	94.56	120.2789	159.00	122.0219
59.54	150.6507	94.65	120.3159	162.33	108.6618
60.96	137.4404	94.67	120.3246	162.66	117.6531
61.17	137.5804	94.87	120.4062	163.33	124.9652
62.93	171.4658	97.43	100.4540	165.86	105.0011
63.29	171.7576	98.43	109.8130	176.31	111.8824
63.58	171.9925	98.44	109.8163	176.60	119.2903
64.28	172.5557	99.53	123.7970	177.52	108.4788
66.73	193.1534	100.11	131.5939	181.07	0.0000
67.24	144.1972	102.03	102.4785	181.52	131.5844
125.81	129.7650	103.18	116.0920	184.41	124.2533
67.75	144.5251	103.37	113.1047	143.76	132.6656
68.89	174.8482	105.21	109.1478	193.51	121.3633
69.67	180.8456	105.31	109.1824	197.03	125.0193
70.82	180.3890	106.12	109.4576	198.01	113.7705
70.83	180.3991	106.47	115.2345	201.83	100.1200
72.81	177.8217	109.28	127.6420	203.43	113.9236
72.87	177.8673	111.00	136.9083	205.31	111.0763
74.66	179.1983	111.76	108.9904	210.85	95.2036
74.82	179.3173	114.06	125.5180	215.65	83.8262
74.97	179.4264	116.30	116.7986	218.12	101.0117
77.11	180.9955	116.74	118.5366	222.11	100.6887
78.74	180.7724	119.76	113.1339	227.09	85.4319
79.69	151.9113	121.12	116.7848	227.38	85.4721
80.03	184.5046	121.22	116.8169	228.16	101.6889
80.12	184.5726	121.78	126.6809	228.18	101.6935
80.19	184.6225	122.06	121.1266	116.74	101.6935
80.57	166.5461	122.92	117.3656	235.69	96.4636
81.00	155.5133	123.07	117.4131	235.96	96.5041
81.07	155.5569	265.00	128.1532	238.63	90.0826
81.75	150.2917	125.81	115.2970	238.98	0.0000
82.47	162.0816	127.23	117.9185	240.99	90.4116
83.79	132.8843	127.91	114.8507	242.00	90.5526
84.00	132.9893	129.30	115.2710	244.70	93.6826

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.40	66.8965	344.28	72.9325	563.25	31.4760
252.80	57.5227	345.93	56.5679	564.24	0.0000
254.15	0.0000	351.06	61.6326	569.33	28.7402
256.23	71.4785	351.93	61.6929	946.00	28.7439
260.90	0.0000	355.39	0.0000	569.70	27.7893
264.66	66.6770	356.01	77.8585	583.19	38.6979
264.80	66.6904	364.49	54.1214	584.27	38.7272
265.00	73.8063	366.42	0.0000	595.83	27.3278
269.46	62.1295	372.51	48.5181	427.87	37.2083
270.03	62.1790	375.05	54.7284	602.52	0.0000
271.23	62.2834	377.52	48.7732	604.72	55.9702
273.65	56.0276	356.01	54.0010	607.14	39.8326
276.40	72.4613	388.16	56.7026	609.32	34.4745
277.37	72.5574	388.63	56.7307	610.33	34.4973
277.60	72.5799	391.69	41.2354	614.28	29.6484
278.00	72.6208	264.66	44.9330	618.01	42.6011
279.20	86.8530	401.81	51.2312	620.36	28.7758
279.54	79.6511	402.40	47.5104	621.93	31.7865
279.70	79.6690	404.85	55.1437	630.19	0.0000
280.46	68.1496	410.95	61.3531	631.29	36.9789
283.69	75.3635	413.71	46.3481	633.25	29.0201
284.31	69.9609	414.70	55.6700	634.78	30.0513
285.41	73.3467	423.72	46.7878	635.95	38.0943
285.90	0.0000	427.09	49.4956	636.99	31.0971
287.50	80.1378	427.87	56.3629	657.50	31.5071
290.67	83.7791	433.94	42.9392	657.76	31.5121
293.27	0.0000	439.40	54.3726	657.90	0.0000
351.93	69.8599	440.45	43.1936	661.66	21.3990
295.96	69.9252	453.88	30.4252	664.57	0.0000
879.38	70.1617	463.37	30.4128	666.33	24.5273
299.98	70.2867	468.07	44.6096	666.50	24.5293
300.09	70.2963	473.00	51.5524	667.71	0.0000
300.13	70.3001	475.06	38.2864	677.62	27.7855
301.36	75.9978	476.78	49.0414	685.70	25.8545
302.85	65.6903	477.60	51.7518	692.65	0.0000
256.23	74.0546	482.18	45.6813	695.00	30.1588
304.85	72.9643	487.02	35.0732	696.49	31.2268
306.78	70.8904	492.35	0.0000	696.51	22.8997
308.46	63.1453	497.08	32.6426	697.00	28.1129
311.90	47.5602	505.52	54.7742	697.30	28.1173
316.51	51.2457	507.63	0.0000	697.49	32.2866
319.41	60.5680	511.00	43.0934	702.65	43.8782
320.08	54.8979	514.00	33.0864	706.68	37.6992
321.04	65.2661	514.00	33.0864	711.68	30.4573
323.87	44.4240	520.40	39.7176	720.70	32.7294
325.23	64.4424	520.69	0.0000	721.93	0.0000
328.76	42.7553	522.65	0.0000	722.78	20.6124
333.37	48.0200	527.90	0.0000	722.91	20.6140
333.97	48.8278	528.26	28.8077	723.31	14.2745
334.37	51.1771	529.59	36.2784	724.19	19.0422
338.28	60.7534	529.87	0.0000	727.33	24.3757
338.32	60.7566	531.02	27.9370	733.00	14.8858
311.90	79.6460	537.26	40.2338	735.93	18.1054
340.48	79.6460	546.56	0.0000	333.97	15.9894
340.55	79.6522	552.55	32.1780	739.50	0.0000

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
744.23	31.0308	949.00	23.1174	1384.29	11.1608
747.24	25.7236	667.71	0.0000	1408.01	3.3732
748.06	27.8800	962.31	20.0348	1434.09	15.9393
752.31	26.8717	964.08	20.0505	1435.80	8.5054
753.82	27.9699	966.17	14.3350	1457.56	0.0000
756.73	25.8604	911.20	0.0000	1460.82	13.9268
756.80	25.8613	983.53	18.9582	1489.16	8.6426
884.68	22.7175	984.45	0.0000	1505.03	12.1563
765.81	34.1109	1274.44	15.9763	1584.12	25.5325
766.42	40.0803	1001.03	18.9192	1596.21	6.6830
766.84	40.0894	1002.74	14.5640	1620.50	8.9702
772.60	0.0000	1004.73	20.8231	1621.92	12.3387
776.52	27.2298	507.63	0.0000	1678.03	0.0000
739.50	0.0000	1025.87	0.0000	1690.97	6.3981
778.90	22.2486	1028.54	0.0000	1750.46	0.0000
783.70	27.3356	1037.84	19.3991	1764.49	3.1047
788.74	9.8672	1038.76	0.0000	1063.66	1.3325
792.07	21.4170	631.29	19.4683	1771.35	4.1467
795.86	20.9096	1048.07	24.1179	1791.20	0.0000
810.06	13.3047	1049.04	24.1274	1808.65	11.2998
810.29	13.3062	1050.41	18.5706	1810.72	0.0000
344.28	13.3071	1063.66	20.5377	1836.06	4.7400
810.76	16.6364	1077.00	16.8937		
815.77	18.3477	1077.34	18.7732		
1048.07	21.1578	1085.87	17.8948		
832.01	23.5464	1093.63	15.1162		
834.85	32.5625	1099.45	17.9911		
835.71	29.2066	1112.07	19.0308		
836.80	0.0000	1112.84	16.3173		
846.75	0.0000	1115.54	13.7206		
846.77	31.6287	1120.29	17.1826		
856.80	36.3268	1120.55	17.1837		
860.56	25.0212	1221.41	17.1892		
871.09	21.7206	1129.67	15.3281		
873.19	13.7324	1131.51	0.0000		
875.33	0.0000	1147.95	0.0000		
879.38	22.3818	1173.23	19.4763		
880.51	18.9485	1177.95	23.4111		
881.60	21.8311	1189.05	14.6915		
883.24	12.6489	1204.77	30.5364		
884.68	18.4115	1221.41	15.8545		
889.28	18.4518	1231.02	17.0445		
894.76	24.2813	1235.36	15.9326		
898.04	20.8447	1238.28	17.5441		
900.72	24.3496	1260.41	0.0000		
903.28	19.7351	1271.87	14.5213		
911.20	23.3040	1274.44	9.6896		
912.08	23.3130	1274.54	9.6896		
923.98	0.0000	1291.59	16.2432		
926.50	19.7142	1298.22	0.0000		
929.11	18.3276	1312.11	15.3333		
935.54	12.7257	1332.49	11.3196		
937.49	19.8133	1362.66	0.0000		
944.13	21.2922	1365.19	8.3203		
946.00	16.8703	1368.63	0.0000		

VAX/VMS Nuclide Identification Report Generated 12-DEC-2023 21:29:57.30

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

Configuration : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981002.CNF;1
Background file : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM23.CNF;877
Background date : 10-DEC-2023 11:03:50
Sample date : 13-NOV-2023 12:00:00 Acquisition date : 12-DEC-2023 19:29:15
Sample ID : G645981002 Sample quantity : 1.36390E+02 GRAM
Detector name : GAM23 Detector geometry: CAN
Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:02.57 0.0%
Energy tolerance : 1.50000 keV Analyst Initials : RXF2
Abundance limit : 75.00000 Sensitivity : 3.00000
Batch ID : 2529194 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	63.37*	77	192	1.46	126.74	124	6	1.07E-02	31.5	
2	3	74.76	260	256	1.05	149.50	144	14	3.61E-02	11.6	5.55E-01
3	3	77.15	411	254	0.93	154.28	144	14	5.70E-02	8.0	
4	0	83.98*	75	194	0.81	167.94	165	6	1.04E-02	32.8	
5	0	87.16	167	268	1.09	174.30	171	7	2.32E-02	17.9	
6	3	89.95	75	255	0.82	179.89	177	12	1.04E-02	33.4	2.57E+00
7	3	92.74*	139	306	1.01	185.45	177	12	1.93E-02	22.9	
8	0	105.55	44	233	1.94	211.07	207	8	6.11E-03	61.9	
9	0	129.63	90	188	0.81	259.23	256	8	1.25E-02	28.4	
10	4	141.47*	13	114	1.02	282.89	281	10	1.84E-03	125.6	1.05E+00
11	4	143.54*	27	191	0.97	287.03	281	10	3.71E-03	86.4	
12	0	185.74*	232	260	1.36	371.42	366	10	3.22E-02	14.9	
13	0	191.33	37	153	1.00	382.61	380	7	5.18E-03	57.7	
14	0	209.67	79	194	1.33	419.28	415	9	1.10E-02	33.8	
15	4	238.63*	724	151	1.03	477.20	473	17	1.01E-01	4.6	3.24E+00
16	4	241.99	342	153	1.73	483.91	473	17	4.74E-02	9.7	
17	0	254.77	20	74	0.64	509.46	507	5	2.78E-03	68.6	
18	0	269.61	116	200	1.76	539.13	532	14	1.61E-02	27.4	
19	0	277.21	46	141	1.62	554.33	551	9	6.33E-03	49.3	
20	0	288.13	34	97	0.85	576.16	572	8	4.68E-03	54.0	
21	0	295.22	453	103	1.22	590.35	587	8	6.28E-02	6.1	
22	0	304.86	34	74	1.72	609.63	607	7	4.71E-03	45.3	
23	0	328.14	91	87	1.41	656.17	651	11	1.26E-02	22.5	
24	0	338.20*	107	141	1.35	676.29	671	11	1.48E-02	24.0	
25	0	351.87*	749	161	1.33	703.63	696	14	1.04E-01	5.2	
26	0	410.50	14	75	1.40	820.88	816	9	1.99E-03	112.6	
27	0	463.20	51	87	1.46	926.27	919	12	7.08E-03	39.2	
28	0	488.01	38	55	1.87	975.87	969	11	5.29E-03	41.0	
29	0	494.33	17	47	0.65	988.51	983	9	2.41E-03	76.2	
30	0	510.53*	86	80	2.11	1020.90	1013	16	1.19E-02	30.2	
31	0	583.25*	230	76	1.54	1166.34	1159	14	3.20E-02	10.6	
32	0	609.37*	532	89	1.60	1218.56	1213	15	7.39E-02	5.8	
33	0	640.06	8	26	0.84	1279.94	1276	8	1.06E-03	121.5	
34	0	684.12	36	45	4.84	1368.06	1360	15	5.00E-03	43.9	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
35	0	727.20	86	44	1.74	1454.20	1447	17	1.20E-02	20.4	
36	0	768.53	50	53	1.64	1536.85	1531	14	6.88E-03	34.2	
37	0	819.38	28	16	1.25	1638.55	1633	13	3.85E-03	37.4	
38	0	864.48	50	72	10.16	1728.75	1715	26	6.95E-03	48.4	
39	0	900.01	19	38	3.53	1799.80	1786	19	2.67E-03	80.3	
40	0	911.14*	200	27	1.95	1822.07	1813	18	2.77E-02	9.5	
41	0	934.62	16	35	1.29	1869.02	1863	11	2.25E-03	75.3	
42	3	964.44	57	37	2.68	1928.67	1920	25	7.90E-03	26.4	4.23E+00
43	3	968.82	118	26	2.27	1937.41	1920	25	1.64E-02	13.2	
44	0	1058.25	21	36	6.98	2116.28	2103	18	2.94E-03	73.1	
45	0	1107.85	16	6	2.39	2215.47	2209	12	2.28E-03	38.5	
46	0	1120.58	102	34	2.18	2240.94	2234	14	1.42E-02	15.7	
47	3	1164.55	19	10	2.90	2328.87	2323	20	2.62E-03	37.4	4.72E-01
48	3	1169.50	18	5	2.19	2338.78	2323	20	2.52E-03	34.1	
49	0	1233.15	4	19	0.49	2466.07	2457	11	6.07E-04	199.4	
50	0	1237.95	54	19	1.69	2475.68	2469	16	7.45E-03	23.1	
51	0	1282.73	17	13	1.25	2565.24	2558	14	2.37E-03	52.0	
52	0	1294.85	8	11	1.42	2589.48	2582	10	1.05E-03	94.2	
53	0	1376.95	37	27	0.70	2753.68	2743	20	5.17E-03	39.3	
54	0	1460.34*	143	5	2.34	2920.48	2910	17	1.99E-02	9.2	
55	0	1467.82	3	8	1.26	2935.42	2928	9	4.17E-04	186.3	
56	0	1523.27	16	3	1.83	3046.34	3040	12	2.24E-03	32.8	
57	0	1588.99	38	21	1.12	3177.79	3169	20	5.29E-03	33.1	
58	0	1662.59	9	11	1.03	3325.00	3318	11	1.25E-03	78.8	
59	0	1764.40*	73	9	1.76	3528.65	3519	18	1.01E-02	15.7	
60	0	1907.83	13	0	1.00	3815.54	3806	16	1.81E-03	27.7	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 12-DEC-2023 21:29:58

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981002.CNF;1		
Analyses by	: PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4		
Sample title	: RXF2		
Sample date	: 13-NOV-2023 12:00:00	Acquisition date	: 12-DEC-2023 19:29:15
Sample ID	: G645981002	Sample quantity	: 136.39 GRAM
Sample type	: SOLID	Sample geometry	:
Detector name	: GAMMA23	Detector geometry	: CAN
Elapsed live time	: 0 02:00:00.00	Elapsed real time	: 0 02:00:02.57 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	137	10.66*	9.698E-01	3.651E+00	3.651E+00	18.44
CD-109	88.03	198	3.70*	4.950E+00	2.976E+00	3.110E+00	35.79
SN-126	64.28	93	9.60	2.333E+00	1.147E+00	1.147E+00	63.03
	86.94	198	8.90	4.950E+00	1.237E+00	1.237E+00	35.79
	87.57	198	37.00*	4.950E+00	2.976E-01	2.976E-01	35.79
EU-155	86.55	198	30.70	4.950E+00	3.587E-01	3.629E-01	35.79
	105.31	51	21.10*	5.849E+00	1.145E-01	1.158E-01	123.85
TL-208	277.37	50	6.60	3.920E+00	5.287E-01	5.287E-01	98.67
	583.19	237	85.00*	2.203E+00	3.485E-01	3.485E-01	21.19
	860.56	------	12.50	1.568E+00	------ Line Not Found		------
BI-211	72.87	------	1.23	3.550E+00	------ Line Not Found		------
	351.06	802	12.92*	3.273E+00	5.220E+00	5.220E+00	10.36
BI-212	727.33	87	6.67*	1.825E+00	1.975E+00	1.975E+00	40.84
	1620.50	------	1.47	8.981E-01	------ Line Not Found		------
PB-212	74.82	311	10.28	3.770E+00	2.205E+00	2.205E+00	23.16
	77.11	490	17.10	4.036E+00	1.953E+00	1.953E+00	15.96
	238.63	798	43.60*	4.381E+00	1.150E+00	1.150E+00	9.10
	300.09	------	3.30	3.693E+00	------ Line Not Found		------
BI-214	609.32	547	45.49*	2.124E+00	1.557E+00	1.557E+00	11.68
	1120.29	100	14.92	1.225E+00	1.504E+00	1.504E+00	31.48
	1764.49	69	15.30	8.530E-01	1.449E+00	1.449E+00	31.42
PB-214	74.82	311	5.80	3.770E+00	3.909E+00	3.909E+00	23.16
	77.11	490	9.70	4.036E+00	3.444E+00	3.444E+00	15.96
	87.09	198	3.41	4.950E+00	3.229E+00	3.229E+00	35.79
	242.00	376	7.25	4.336E+00	3.293E+00	3.293E+00	19.37
	295.22	491	18.42	3.738E+00	1.962E+00	1.962E+00	12.18
	351.93	802	35.60*	3.273E+00	1.895E+00	1.895E+00	10.36
RN-222	609.32	547	45.49*	2.124E+00	1.557E+00	1.557E+00	11.68
	1120.29	100	14.92	1.225E+00	1.504E+00	1.504E+00	31.48
	1764.49	69	15.30	8.530E-01	1.449E+00	1.449E+00	31.42
RA-224	240.99	376	4.10*	4.336E+00	5.823E+00	5.823E+00	19.37
RA-226	74.82	311	5.80	3.770E+00	3.909E+00	3.909E+00	23.16
	77.11	490	9.70	4.036E+00	3.444E+00	3.444E+00	15.96
	87.09	198	3.41	4.950E+00	3.229E+00	3.229E+00	35.79
	242.00	376	7.25	4.336E+00	3.293E+00	3.293E+00	19.37
	295.22	491	18.42	3.738E+00	1.962E+00	1.962E+00	12.18
	351.93	802	35.60*	3.273E+00	1.895E+00	1.895E+00	10.36
AC-228	105.21	51	1.10	5.849E+00	2.196E+00	2.196E+00	123.85
	338.32	115	11.27	3.373E+00	8.311E-01	8.311E-01	48.00
	835.71	------	1.61	1.611E+00	------ Line Not Found		------
	911.20	199	25.80*	1.487E+00	1.424E+00	1.424E+00	19.09
	968.97	117	15.80	1.404E+00	1.451E+00	1.451E+00	26.37
RA-228	105.21	51	1.10	5.849E+00	2.196E+00	2.196E+00	123.85
	338.32	115	11.27	3.373E+00	8.311E-01	8.311E-01	48.00
	835.71	------	1.61	1.611E+00	------ Line Not Found		------
	911.20	199	25.80*	1.487E+00	1.424E+00	1.424E+00	19.09
	968.97	117	15.80	1.404E+00	1.451E+00	1.451E+00	26.37
TH-228	74.82	311	10.28	3.770E+00	2.205E+00	2.205E+00	23.16
	77.11	490	17.10	4.036E+00	1.953E+00	1.953E+00	15.96

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	238.63	798	43.60*	4.381E+00	1.150E+00	1.150E+00	9.10
	300.09	------	3.30	3.693E+00	------ Line Not Found		------
TH-229	85.43	89	14.70	4.695E+00	3.539E-01	3.539E-01	65.51
	88.47	198	24.00	4.950E+00	4.588E-01	4.588E-01	35.79
	193.51	------	4.41*	5.067E+00	------ Line Not Found		------
	210.85	88	2.80	4.803E+00	1.800E+00	1.800E+00	67.59
TH-230	74.82	311	5.80	3.770E+00	3.909E+00	3.909E+00	23.16
	77.11	490	9.70	4.036E+00	3.444E+00	3.444E+00	15.96
	87.09	198	3.41	4.950E+00	3.229E+00	3.229E+00	35.79
	242.00	376	7.25	4.336E+00	3.293E+00	3.293E+00	19.37
	295.22	491	18.42	3.738E+00	1.962E+00	1.962E+00	12.18
	351.93	802	35.60*	3.273E+00	1.895E+00	1.895E+00	10.36
TH-232	105.21	51	1.10	5.849E+00	2.196E+00	2.196E+00	123.85
	338.32	115	11.27	3.373E+00	8.311E-01	8.311E-01	48.00
	835.71	------	1.61	1.611E+00	------ Line Not Found		------
	911.20	199	25.80*	1.487E+00	1.424E+00	1.424E+00	19.09
	968.97	117	15.80	1.404E+00	1.451E+00	1.451E+00	26.37
TH-234	63.29	93	3.70*	2.333E+00	2.976E+00	2.976E+00	63.03
	92.59	164	4.23	5.321E+00	2.005E+00	2.005E+00	45.79
U-234	74.82	311	5.80	3.770E+00	3.909E+00	3.909E+00	23.16
	77.11	490	9.70	4.036E+00	3.444E+00	3.444E+00	15.96
	87.09	198	3.41	4.950E+00	3.229E+00	3.229E+00	35.79
	242.00	376	7.25	4.336E+00	3.293E+00	3.293E+00	19.37
	295.22	491	18.42	3.738E+00	1.962E+00	1.962E+00	12.18
	351.93	802	35.60*	3.273E+00	1.895E+00	1.895E+00	10.36
U-235	89.96	88	3.47	5.148E+00	1.358E+00	1.358E+00	66.86
	93.35	164	5.60	5.321E+00	1.514E+00	1.514E+00	45.79
	143.76	31	10.96*	5.900E+00	1.300E-01	1.300E-01	172.77
	163.33	------	5.08	5.592E+00	------ Line Not Found		------
	185.72	260	57.20	5.200E+00	2.409E-01	2.409E-01	29.90
	205.31	------	5.01	4.872E+00	------ Line Not Found		------
U-238	63.29	93	3.70*	2.333E+00	2.976E+00	2.976E+00	63.03
	92.59	164	4.23	5.321E+00	2.005E+00	2.005E+00	45.79
AM-243	43.53	------	5.90	2.737E-01	------ Line Not Found		------
	74.66	311	67.20*	3.770E+00	3.373E-01	3.373E-01	23.16
ANH-511	511.00	89	100.00*	2.454E+00	9.987E-02	9.987E-02	60.30

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 12-DEC-2023 21:29:59.71

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981002.CNF;1		
Acquisition date	: 12-DEC-2023 19:29:15	Sensitivity	: 3.000
Detector ID	: GAM23	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:02.57	Half life ratio	: *****
Sample date	: 13-NOV-2023 12:00:00	Analyst initials	: RXF2
Sample ID	: G645981002	Sample Quantity	: 1.3639E+02 GRAM
Batch Number	: 2529194	Wet Weight	: 0.00000
Wet wt corr	: 1.00000	Dry Weight	: 0.00000
Nuclide Library	: SOLID.NLB;17		

CALIBRATION INFORMATION

Eff. Cal. date	: 6-SEP-2023 11:17:47	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM23_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	3.651E+00	6.597E-01	4.231E-01
CD-109	3.110E+00	1.091E+00	1.046E+00
SN-126	2.976E-01	1.044E-01	8.468E-02
EU-155	1.158E-01	1.406E-01	1.248E-01
TL-208	3.485E-01	7.238E-02	4.961E-02
BI-211	5.220E+00	5.298E-01	2.652E-01
BI-212	1.975E+00	7.906E-01	6.067E-01
PB-212	1.150E+00	1.026E-01	7.705E-02
BI-214	1.557E+00	1.781E-01	1.013E-01
PB-214	1.895E+00	1.923E-01	9.645E-02
RN-222	1.557E+00	1.781E-01	1.013E-01
RA-224	5.823E+00	1.105E+00	8.265E-01
RA-226	1.895E+00	1.923E-01	9.645E-02
AC-228	1.424E+00	2.665E-01	1.765E-01
RA-228	1.424E+00	2.665E-01	1.765E-01
TH-228	1.150E+00	1.026E-01	7.705E-02
TH-229	1.732E-01	3.757E-01	6.521E-01
TH-230	1.895E+00	1.923E-01	9.645E-02
TH-232	1.424E+00	2.665E-01	1.765E-01
TH-234	2.976E+00	1.838E+00	1.833E+00
U-234	1.895E+00	1.923E-01	9.645E-02
U-235	1.300E-01	2.201E-01	2.515E-01
U-238	2.976E+00	1.838E+00	1.833E+00
AM-243	3.373E-01	7.656E-02	6.564E-02
ANH-511	9.987E-02	5.902E-02	3.709E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	3.231E-03	2.895E-01	5.383E-01	NOT IDENT.
NA-22	2.883E-03	2.443E-02	4.918E-02	NOT IDENT.
NA-24	0.000E+00	3.379E+12	0.000E+00	SHORT HLIF
AL-26	-7.706E-03	2.290E-02	4.286E-02	NOT IDENT.
SC-46	-4.575E-04	3.090E-02	5.729E-02	FAIL ABUN

V-48	-4.327E-03	7.886E-02	1.514E-01	NOT IDENT.
CR-51	1.495E-01	3.479E-01	6.900E-01	NOT IDENT.
MN-52	5.537E-01	1.165E+00	2.427E+00	FAIL ABUN
MN-54	-2.440E-03	2.755E-02	5.198E-02	NOT IDENT.
CO-56	-1.208E-03	3.546E-02	6.696E-02	FAIL ABUN
MN-56	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CO-57	-1.198E-05	1.682E-02	3.175E-02	NOT IDENT.
CO-58	-2.101E-03	3.190E-02	6.083E-02	NOT IDENT.
FE-59	-3.336E-02	7.492E-02	1.320E-01	NOT IDENT.
CO-60	-1.158E-02	3.362E-02	6.218E-02	NOT IDENT.
ZN-65	5.947E-02	7.495E-02	1.389E-01	NOT IDENT.
GE-68	3.612E-01	8.936E-01	1.787E+00	NOT IDENT.
AS-73	-2.238E-02	1.018E+00	1.704E+00	NOT IDENT.
AS-74	3.496E-02	1.111E-01	2.116E-01	NOT IDENT.
SE-75	5.543E-03	3.819E-02	6.272E-02	NOT IDENT.
BR-77	0.000E+00	1.012E+03	0.000E+00	SHORT HLIF
SR-82	-3.627E-02	3.753E-01	7.103E-01	NOT IDENT.
RB-83	6.812E-03	6.022E-02	1.123E-01	NOT IDENT.
RB-84	-2.655E-03	6.773E-02	1.286E-01	NOT IDENT.
KR-85	6.302E-01	6.275E+00	1.036E+01	NOT IDENT.
SR-85	3.811E-03	3.862E-02	6.375E-02	NOT IDENT.
RB-86	-1.191E-01	9.437E-01	1.748E+00	NOT IDENT.
Y-88	1.399E-02	2.982E-02	6.604E-02	NOT IDENT.
Y-91	-2.606E+00	1.271E+01	2.267E+01	NOT IDENT.
NB-94	7.664E-03	2.347E-02	4.671E-02	NOT IDENT.
NB-95	2.825E-02	3.580E-02	6.789E-02	NOT IDENT.
NB-95M	1.652E-02	1.177E-01	1.932E-01	NOT IDENT.
ZR-95	5.485E-04	6.203E-02	1.180E-01	NOT IDENT.
NB-97	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	1.460E+12	0.000E+00	SHORT HLIF
MO-99	0.000E+00	3.031E+02	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	3.290E+33	0.000E+00	SHORT HLIF
RH-101	5.349E-03	2.067E-02	3.683E-02	NOT IDENT.
RH-102	-2.070E-03	3.931E-02	7.138E-02	NOT IDENT.
RU-103	-8.539E-04	3.675E-02	6.141E-02	FAIL ABUN
RH-106	-1.323E-01	2.361E-01	4.015E-01	NOT IDENT.
RU-106	-1.323E-01	2.361E-01	4.015E-01	NOT IDENT.
AG-108M	-2.710E-03	1.869E-02	3.491E-02	NOT IDENT.
AG-110	-2.031E-01	5.749E-01	9.962E-01	NOT IDENT.
AG-110M	2.004E-03	3.668E-02	7.062E-02	NOT IDENT.
SN-113	1.054E-03	3.580E-02	6.758E-02	NOT IDENT.
CD-115	0.000E+00	6.785E+02	0.000E+00	SHORT HLIF
SN-117M	1.359E-02	7.869E-02	1.459E-01	NOT IDENT.
SB-122	0.000E+00	5.709E+01	0.000E+00	SHORT HLIF
TE-123M	1.178E-02	2.082E-02	3.958E-02	NOT IDENT.
SB-124	-3.130E-02	7.553E-02	1.379E-01	NOT IDENT.
SB-125	2.766E-02	6.736E-02	1.306E-01	FAIL ABUN
TE-125M	3.725E+00	7.178E+00	1.408E+01	NOT IDENT.
I-126	3.211E-01	3.425E-01	6.864E-01	NOT IDENT.
SB-126	-1.426E-01	2.535E-01	3.960E-01	NOT IDENT.
SB-127	4.341E+00	1.589E+01	2.625E+01	NOT IDENT.
I-131	1.711E-01	2.685E-01	5.373E-01	NOT IDENT.
I-132	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
TE-132	-2.746E+00	1.164E+01	2.032E+01	NOT IDENT.
BA-133	-1.668E-02	3.129E-02	5.051E-02	FAIL ABUN
I-133	0.000E+00	3.762E+08	0.000E+00	SHORT HLIF
CS-134	4.063E-02	2.940E-02	6.415E-02	NOT IDENT.
I-135	0.000E+00	1.709E+31	0.000E+00	SHORT HLIF
CS-136	1.228E-02	1.727E-01	3.051E-01	FAIL ABUN
BA-137M	7.830E-03	2.525E-02	4.759E-02	NOT IDENT.
CS-137	8.272E-03	2.668E-02	5.027E-02	NOT IDENT.
LA-138	-4.821E-05	4.704E-02	9.174E-02	NOT IDENT.
CE-139	1.475E-02	2.199E-02	4.188E-02	NOT IDENT.
BA-140	2.081E-02	3.831E-01	7.174E-01	FAIL ABUN
LA-140	-1.373E-01	1.937E-01	2.673E-01	FAIL ABUN
CE-141	-1.829E-02	6.554E-02	1.071E-01	NOT IDENT.
CE-143	0.000E+00	1.241E+05	0.000E+00	SHORT HLIF
CE-144	3.430E-02	1.378E-01	2.439E-01	NOT IDENT.
PM-144	4.755E-03	2.297E-02	4.563E-02	NOT IDENT.
PR-144	3.585E-01	1.732E+00	3.440E+00	NOT IDENT.
PM-146	-1.089E-02	2.952E-02	5.336E-02	NOT IDENT.
ND-147	-4.899E-01	1.053E+00	1.846E+00	FAIL ABUN
PM-147	2.781E+02	4.614E+02	9.043E+02	NOT IDENT.
PM-149	0.000E+00	6.080E+03	0.000E+00	SHORT HLIF
EU-150	1.338E-02	1.970E-02	3.623E-02	FAIL ABUN
EU-152	2.167E-02	6.756E-02	1.318E-01	FAIL ABUN
GD-153	-1.865E-02	5.283E-02	9.987E-02	NOT IDENT.
EU-154	9.567E-03	6.901E-02	1.393E-01	NOT IDENT.

TB-160	2.306E-02	1.077E-01	2.114E-01	FAIL ABUN
HO-166M	2.362E-02	4.610E-02	9.257E-02	FAIL ABUN
TM-171	-2.632E+01	2.053E+01	3.058E+01	NOT IDENT.
HF-172	-8.941E-03	1.221E-01	2.289E-01	FAIL ABUN
LU-172	1.044E-02	4.328E-02	8.485E-02	FAIL ABUN
LU-176	3.244E-04	2.036E-02	3.533E-02	FAIL ABUN
HF-181	7.572E-03	4.207E-02	7.206E-02	NOT IDENT.
TA-182	-2.655E-02	1.248E-01	2.263E-01	FAIL ABUN
RE-183	3.045E-02	1.666E-01	3.401E-01	NOT IDENT.
RE-184	1.123E-02	1.276E-01	1.894E-01	NOT IDENT.
W-188	-5.578E-01	6.244E+00	9.935E+00	FAIL ABUN
IR-192	7.958E-03	2.787E-02	5.448E-02	FAIL ABUN
HG-203	6.296E-03	3.930E-02	6.400E-02	NOT IDENT.
TL-204	-3.779E+00	3.705E+00	6.280E+00	NOT IDENT.
BI-207	1.146E-02	3.596E-02	6.714E-02	FAIL ABUN
BI-210	3.985E+00	4.280E+00	7.950E+00	NOT IDENT.
PB-210	3.985E+00	4.280E+00	7.950E+00	NOT IDENT.
PB-211	1.090E-02	5.037E-01	9.503E-01	NOT IDENT.
BI-213	4.253E-02	7.559E-02	1.483E-01	NOT IDENT.
RN-219	1.025E-01	3.022E-01	5.825E-01	NOT IDENT.
RA-223	1.961E-01	4.923E-01	8.798E-01	FAIL ABUN
AC-225	-3.407E-01	1.128E+00	1.971E+00	NOT IDENT.
AC-227	1.526E-01	2.053E-01	3.246E-01	FAIL ABUN
TH-227	1.526E-01	2.053E-01	3.246E-01	FAIL ABUN
PA-231	-1.943E-02	3.748E-01	6.453E-01	NOT IDENT.
TH-231	1.961E-01	4.923E-01	8.798E-01	FAIL ABUN
PA-233	1.246E-02	4.392E-02	8.612E-02	NOT IDENT.
PA-234	3.900E-02	2.262E-01	4.367E-01	NOT IDENT.
PA-234M	2.745E+00	3.422E+00	7.034E+00	NOT IDENT.
NP-237	1.246E-02	4.392E-02	8.612E-02	NOT IDENT.
NP-238	0.000E+00	1.300E+03	0.000E+00	SHORT HLIF
NP-239	-7.306E-02	1.691E-01	3.124E-01	FAIL ABUN
PU-239	0.000E+00	4.170E+02	4.597E+02	FAIL ABUN
AM-241	-4.106E-02	1.108E-01	2.187E-01	NOT IDENT.
CM-243	-4.181E-02	6.782E-02	1.156E-01	FAIL ABUN
BK-247	-3.287E-05	6.272E-02	1.015E-01	FAIL ABUN
CM-247	1.225E-03	2.787E-02	5.249E-02	FAIL ABUN
CF-249	-2.116E-02	3.080E-02	5.481E-02	NOT IDENT.
CF-251	2.457E-02	9.066E-02	1.676E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-DEC-2023 21:29:58.18

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	137	10.66*	9.698E-01	3.651E+00	3.651E+00	18.44
CD-109	88.03	198	3.70*	4.950E+00	2.976E+00	3.110E+00	35.79
SN-126	64.28	93	9.60	2.333E+00	1.147E+00	1.147E+00	63.03
	86.94	198	8.90	4.950E+00	1.237E+00	1.237E+00	35.79
	87.57	198	37.00*	4.950E+00	2.976E-01	2.976E-01	35.79
EU-155	86.55	198	30.70	4.950E+00	3.587E-01	3.629E-01	35.79
	105.31	51	21.10*	5.849E+00	1.145E-01	1.158E-01	123.85
TL-208	277.37	50	6.60	3.920E+00	5.287E-01	5.287E-01	98.67
	583.19	237	85.00*	2.203E+00	3.485E-01	3.485E-01	21.19
	860.56	------	12.50	1.568E+00	------ Line Not Found		------
BI-211	72.87	------	1.23	3.550E+00	------ Line Not Found		------
	351.06	802	12.92*	3.273E+00	5.220E+00	5.220E+00	10.36
BI-212	727.33	87	6.67*	1.825E+00	1.975E+00	1.975E+00	40.84
	1620.50	------	1.47	8.981E-01	------ Line Not Found		------
PB-212	74.82	311	10.28	3.770E+00	2.205E+00	2.205E+00	23.16
	77.11	490	17.10	4.036E+00	1.953E+00	1.953E+00	15.96
	238.63	798	43.60*	4.381E+00	1.150E+00	1.150E+00	9.10
	300.09	------	3.30	3.693E+00	------ Line Not Found		------
BI-214	609.32	547	45.49*	2.124E+00	1.557E+00	1.557E+00	11.68
	1120.29	100	14.92	1.225E+00	1.504E+00	1.504E+00	31.48
	1764.49	69	15.30	8.530E-01	1.449E+00	1.449E+00	31.42
PB-214	74.82	311	5.80	3.770E+00	3.909E+00	3.909E+00	23.16
	77.11	490	9.70	4.036E+00	3.444E+00	3.444E+00	15.96
	87.09	198	3.41	4.950E+00	3.229E+00	3.229E+00	35.79
	242.00	376	7.25	4.336E+00	3.293E+00	3.293E+00	19.37
	295.22	491	18.42	3.738E+00	1.962E+00	1.962E+00	12.18
	351.93	802	35.60*	3.273E+00	1.895E+00	1.895E+00	10.36
RN-222	609.32	547	45.49*	2.124E+00	1.557E+00	1.557E+00	11.68
	1120.29	100	14.92	1.225E+00	1.504E+00	1.504E+00	31.48
	1764.49	69	15.30	8.530E-01	1.449E+00	1.449E+00	31.42
RA-224	240.99	376	4.10*	4.336E+00	5.823E+00	5.823E+00	19.37
RA-226	74.82	311	5.80	3.770E+00	3.909E+00	3.909E+00	23.16
	77.11	490	9.70	4.036E+00	3.444E+00	3.444E+00	15.96
	87.09	198	3.41	4.950E+00	3.229E+00	3.229E+00	35.79
	242.00	376	7.25	4.336E+00	3.293E+00	3.293E+00	19.37
	295.22	491	18.42	3.738E+00	1.962E+00	1.962E+00	12.18
	351.93	802	35.60*	3.273E+00	1.895E+00	1.895E+00	10.36
AC-228	105.21	51	1.10	5.849E+00	2.196E+00	2.196E+00	123.85
	338.32	115	11.27	3.373E+00	8.311E-01	8.311E-01	48.00
	835.71	------	1.61	1.611E+00	------ Line Not Found		------
	911.20	199	25.80*	1.487E+00	1.424E+00	1.424E+00	19.09
	968.97	117	15.80	1.404E+00	1.451E+00	1.451E+00	26.37
RA-228	105.21	51	1.10	5.849E+00	2.196E+00	2.196E+00	123.85
	338.32	115	11.27	3.373E+00	8.311E-01	8.311E-01	48.00
	835.71	------	1.61	1.611E+00	------ Line Not Found		------
	911.20	199	25.80*	1.487E+00	1.424E+00	1.424E+00	19.09
	968.97	117	15.80	1.404E+00	1.451E+00	1.451E+00	26.37

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
TH-228	74.82	311	10.28	3.770E+00	2.205E+00	2.205E+00	23.16
	77.11	490	17.10	4.036E+00	1.953E+00	1.953E+00	15.96
	238.63	798	43.60*	4.381E+00	1.150E+00	1.150E+00	9.10
	300.09	------	3.30	3.693E+00	------ Line Not Found		------
TH-229	85.43	89	14.70	4.695E+00	3.539E-01	3.539E-01	65.51
	88.47	198	24.00	4.950E+00	4.588E-01	4.588E-01	35.79
	193.51	------	4.41*	5.067E+00	------ Line Not Found		------
	210.85	88	2.80	4.803E+00	1.800E+00	1.800E+00	67.59
TH-230	74.82	311	5.80	3.770E+00	3.909E+00	3.909E+00	23.16
	77.11	490	9.70	4.036E+00	3.444E+00	3.444E+00	15.96
	87.09	198	3.41	4.950E+00	3.229E+00	3.229E+00	35.79
	242.00	376	7.25	4.336E+00	3.293E+00	3.293E+00	19.37
	295.22	491	18.42	3.738E+00	1.962E+00	1.962E+00	12.18
	351.93	802	35.60*	3.273E+00	1.895E+00	1.895E+00	10.36
TH-232	105.21	51	1.10	5.849E+00	2.196E+00	2.196E+00	123.85
	338.32	115	11.27	3.373E+00	8.311E-01	8.311E-01	48.00
	835.71	------	1.61	1.611E+00	------ Line Not Found		------
	911.20	199	25.80*	1.487E+00	1.424E+00	1.424E+00	19.09
	968.97	117	15.80	1.404E+00	1.451E+00	1.451E+00	26.37
TH-234	63.29	93	3.70*	2.333E+00	2.976E+00	2.976E+00	63.03
	92.59	164	4.23	5.321E+00	2.005E+00	2.005E+00	45.79
U-234	74.82	311	5.80	3.770E+00	3.909E+00	3.909E+00	23.16
	77.11	490	9.70	4.036E+00	3.444E+00	3.444E+00	15.96
	87.09	198	3.41	4.950E+00	3.229E+00	3.229E+00	35.79
	242.00	376	7.25	4.336E+00	3.293E+00	3.293E+00	19.37
	295.22	491	18.42	3.738E+00	1.962E+00	1.962E+00	12.18
	351.93	802	35.60*	3.273E+00	1.895E+00	1.895E+00	10.36
U-235	89.96	88	3.47	5.148E+00	1.358E+00	1.358E+00	66.86
	93.35	164	5.60	5.321E+00	1.514E+00	1.514E+00	45.79
	143.76	31	10.96*	5.900E+00	1.300E-01	1.300E-01	172.77
	163.33	------	5.08	5.592E+00	------ Line Not Found		------
	185.72	260	57.20	5.200E+00	2.409E-01	2.409E-01	29.90
	205.31	------	5.01	4.872E+00	------ Line Not Found		------
U-238	63.29	93	3.70*	2.333E+00	2.976E+00	2.976E+00	63.03
	92.59	164	4.23	5.321E+00	2.005E+00	2.005E+00	45.79
AM-243	43.53	------	5.90	2.737E-01	------ Line Not Found		------
	74.66	311	67.20*	3.770E+00	3.373E-01	3.373E-01	23.16
ANH-511	511.00	89	100.00*	2.454E+00	9.987E-02	9.987E-02	60.30

Flag: "*" = Keyline

Sample ID : G645981002 Acquisition date : 12-DEC-2023 19:29:15

Total number of lines in spectrum 60
Number of unidentified lines 19
Number of lines tentatively identified by NID 41 68.33%

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	3.651E+00	3.651E+00	0.673E+00	18.44	
CD-109	461.40D	1.05	2.976E+00	3.110E+00	1.113E+00	35.79	
SN-126	2.30E+05Y	1.00	2.976E-01	2.976E-01	1.065E-01	35.79	
EU-155	4.75Y	1.01	1.145E-01	1.158E-01	1.435E-01	123.85	
TL-208	1.41E+10Y	1.00	3.485E-01	3.485E-01	0.739E-01	21.19	
BI-211	7.04E+08Y	1.00	5.220E+00	5.220E+00	0.541E+00	10.36	
BI-212	1.41E+10Y	1.00	1.975E+00	1.975E+00	0.807E+00	40.84	
PB-212	1.41E+10Y	1.00	1.150E+00	1.150E+00	0.105E+00	9.10	
BI-214	1600.00Y	1.00	1.557E+00	1.557E+00	0.182E+00	11.68	
PB-214	1600.00Y	1.00	1.895E+00	1.895E+00	0.196E+00	10.36	
RN-222	1600.00Y	1.00	1.557E+00	1.557E+00	0.182E+00	11.68	
RA-224	1.41E+10Y	1.00	5.823E+00	5.823E+00	1.128E+00	19.37	
RA-226	1600.00Y	1.00	1.895E+00	1.895E+00	0.196E+00	10.36	
AC-228	1.41E+10Y	1.00	1.424E+00	1.424E+00	0.272E+00	19.09	
RA-228	1.41E+10Y	1.00	1.424E+00	1.424E+00	0.272E+00	19.09	
TH-228	1.41E+10Y	1.00	1.150E+00	1.150E+00	0.105E+00	9.10	
TH-229	7340.00Y	1.00	4.588E-01	4.588E-01	1.642E-01	35.79	K
TH-230	7.54E+04Y	1.00	1.895E+00	1.895E+00	0.196E+00	10.36	
TH-232	1.41E+10Y	1.00	1.424E+00	1.424E+00	0.272E+00	19.09	
TH-234	4.47E+09Y	1.00	2.976E+00	2.976E+00	1.876E+00	63.03	
U-234	2.45E+05Y	1.00	1.895E+00	1.895E+00	0.196E+00	10.36	
U-235	7.04E+08Y	1.00	1.300E-01	1.300E-01	2.246E-01	172.77	
U-238	4.47E+09Y	1.00	2.976E+00	2.976E+00	1.876E+00	63.03	
AM-243	7370.00Y	1.00	3.373E-01	3.373E-01	0.781E-01	23.16	
ANH-511	1.00E+09Y	1.00	9.987E-02	9.987E-02	6.023E-02	60.30	
			---------	---------			
	Total Activity :		4.465E+01	4.479E+01			

Grand Total Activity : 4.465E+01 4.479E+01

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

Sample ID : G645981002 Acquisition date : 12-DEC-2023 19:29:15

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
0	129.63	104	216	0.81	259.23	256	8	1.25E-02	56.8	6.04E+00	T
4	141.47	15	130	1.02	282.89	281	10	1.84E-03	****	5.93E+00	T
0	191.33	42	171	1.00	382.61	380	7	5.18E-03	****	5.10E+00	
0	254.77	22	81	0.64	509.46	507	5	2.78E-03	****	4.17E+00	T
0	269.61	127	218	1.76	539.13	532	14	1.61E-02	54.8	4.00E+00	T
0	288.13	37	106	0.85	576.16	572	8	4.68E-03	****	3.81E+00	T
0	304.86	37	80	1.72	609.63	607	7	4.71E-03	90.7	3.65E+00	T
0	328.14	98	94	1.41	656.17	651	11	1.26E-02	45.0	3.45E+00	T
0	410.50	15	79	1.40	820.88	816	9	1.99E-03	****	2.91E+00	T
0	463.20	53	91	1.46	926.27	919	12	7.08E-03	78.3	2.65E+00	T
0	488.01	40	57	1.87	975.87	969	11	5.29E-03	82.0	2.54E+00	T
0	494.33	18	49	0.65	988.51	983	9	2.41E-03	****	2.52E+00	
0	640.06	8	27	0.84	1279.94	1276	8	1.06E-03	****	2.04E+00	
0	684.12	37	46	4.84	1368.06	1360	15	5.00E-03	87.8	1.93E+00	
0	768.53	50	54	1.64	1536.85	1531	14	6.88E-03	68.4	1.74E+00	
0	819.38	28	16	1.25	1638.55	1633	13	3.85E-03	74.7	1.64E+00	T
0	864.48	50	72	10.16	1728.75	1715	26	6.95E-03	96.8	1.56E+00	
0	900.01	19	38	3.53	1799.80	1786	19	2.67E-03	****	1.50E+00	T
0	934.62	16	34	1.29	1869.02	1863	11	2.25E-03	****	1.45E+00	T
3	964.44	56	36	2.68	1928.67	1920	25	7.90E-03	52.8	1.41E+00	T
0	1058.25	21	35	6.98	2116.28	2103	18	2.94E-03	****	1.29E+00	
0	1107.85	16	5	2.39	2215.47	2209	12	2.28E-03	77.1	1.24E+00	
3	1164.55	18	9	2.90	2328.87	2323	20	2.62E-03	74.8	1.18E+00	
3	1169.50	18	5	2.19	2338.78	2323	20	2.52E-03	68.2	1.18E+00	
0	1233.15	4	18	0.49	2466.07	2457	11	6.07E-04	****	1.12E+00	
0	1237.95	52	19	1.69	2475.68	2469	16	7.45E-03	46.1	1.12E+00	T
0	1282.73	17	12	1.25	2565.24	2558	14	2.37E-03	****	1.08E+00	
0	1294.85	7	11	1.42	2589.48	2582	10	1.05E-03	****	1.07E+00	
0	1376.95	36	26	0.70	2753.68	2743	20	5.17E-03	78.6	1.02E+00	
0	1467.82	3	8	1.26	2935.42	2928	9	4.17E-04	****	9.66E-01	
0	1523.27	15	3	1.83	3046.34	3040	12	2.24E-03	65.6	9.39E-01	
0	1588.99	36	20	1.12	3177.79	3169	20	5.29E-03	66.2	9.10E-01	
0	1662.59	9	10	1.03	3325.00	3318	11	1.25E-03	****	8.83E-01	
0	1907.83	12	0	1.00	3815.54	3806	16	1.81E-03	55.5	8.23E-01	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 12-DEC-2023 21:30:09.62

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981002.CNF;1		
Acquisition date	: 12-DEC-2023 19:29:15	Sensitivity	: 3.000
Detector ID	: GAM23	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:02.57	Half life ratio	: *****
Sample date	: 13-NOV-2023 12:00:00	Nuclide Library	: SOLID
Sample ID	: G645981002	Analyst initials	: RXF2
Batch Number	: 2529194	Sample Quantity	: 1.3639E+02 GRAM
Wet wt corr	: 1.00000	Wet Weight	: 0.00000
		Dry Weight	: 0.00000

CALIBRATION INFORMATION

Eff. Cal. date	: 6-SEP-2023 11:17:47	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM23_CAN.CNF;21		

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	1.755E-01
CD-109	5.009E-01
SN-126	4.023E-02
EU-155	5.921E-02
TL-208	2.278E-02
BI-211	1.236E-01
BI-212	2.724E-01
PB-212	3.652E-02
BI-214	4.672E-02
PB-214	4.495E-02
RN-222	4.672E-02
RA-224	3.918E-01
RA-226	4.495E-02
AC-228	7.848E-02
RA-228	7.848E-02
TH-228	3.652E-02
TH-229	3.089E-01
TH-230	4.495E-02
TH-232	7.848E-02
TH-234	8.710E-01
U-234	4.495E-02
U-235	1.198E-01
U-238	8.710E-01
AM-243	3.127E-02
ANH-511	1.700E-02

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	2.486E-01	NOT IDENT.
NA-22	2.108E-02	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF
AL-26	1.701E-02	NOT IDENT.
SC-46	2.549E-02	FAIL ABUN
V-48	6.601E-02	NOT IDENT.

CR-51	3.222E-01	NOT IDENT.
MN-52	1.069E+00	FAIL ABUN
MN-54	2.350E-02	NOT IDENT.
CO-56	3.041E-02	FAIL ABUN
MN-56	0.000E+00	SHORT HLIF
CO-57	1.507E-02	NOT IDENT.
CO-58	2.737E-02	NOT IDENT.
FE-59	5.758E-02	NOT IDENT.
CO-60	2.749E-02	NOT IDENT.
ZN-65	6.292E-02	NOT IDENT.
GE-68	7.947E-01	NOT IDENT.
AS-73	8.069E-01	NOT IDENT.
AS-74	9.648E-02	NOT IDENT.
SE-75	2.946E-02	NOT IDENT.
BR-77	0.000E+00	SHORT HLIF
SR-82	3.228E-01	NOT IDENT.
RB-83	5.173E-02	NOT IDENT.
RB-84	5.771E-02	NOT IDENT.
KR-85	4.821E+00	NOT IDENT.
SR-85	2.966E-02	NOT IDENT.
RB-86	7.725E-01	NOT IDENT.
Y-88	2.761E-02	NOT IDENT.
Y-91	9.558E+00	NOT IDENT.
NB-94	2.135E-02	NOT IDENT.
NB-95	3.097E-02	NOT IDENT.
NB-95M	9.182E-02	NOT IDENT.
ZR-95	5.359E-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	1.746E-02	NOT IDENT.
RH-102	3.237E-02	NOT IDENT.
RU-103	2.791E-02	FAIL ABUN
RH-106	1.815E-01	NOT IDENT.
RU-106	1.815E-01	NOT IDENT.
AG-108M	1.595E-02	NOT IDENT.
AG-110	4.524E-01	NOT IDENT.
AG-110M	3.164E-02	NOT IDENT.
SN-113	3.147E-02	NOT IDENT.
CD-115	0.000E+00	SHORT HLIF
SN-117M	6.946E-02	NOT IDENT.
SB-122	0.000E+00	SHORT HLIF
TE-123M	1.883E-02	NOT IDENT.
SB-124	5.642E-02	NOT IDENT.
SB-125	6.067E-02	FAIL ABUN
TE-125M	6.695E+00	NOT IDENT.
I-126	3.151E-01	NOT IDENT.
SB-126	1.782E-01	NOT IDENT.
SB-127	1.207E+01	NOT IDENT.
I-131	2.502E-01	NOT IDENT.
I-132	0.000E+00	SHORT HLIF
TE-132	9.604E+00	NOT IDENT.
BA-133	2.335E-02	FAIL ABUN
I-133	0.000E+00	SHORT HLIF
CS-134	2.939E-02	NOT IDENT.
I-135	0.000E+00	SHORT HLIF
CS-136	1.357E-01	FAIL ABUN
BA-137M	2.167E-02	NOT IDENT.
CS-137	2.289E-02	NOT IDENT.
LA-138	4.008E-02	NOT IDENT.
CE-139	1.993E-02	NOT IDENT.
BA-140	3.261E-01	FAIL ABUN
LA-140	1.124E-01	FAIL ABUN
CE-141	5.100E-02	NOT IDENT.
CE-143	0.000E+00	SHORT HLIF
CE-144	1.157E-01	NOT IDENT.
PM-144	2.070E-02	NOT IDENT.
PR-144	1.561E+00	NOT IDENT.
PM-146	2.448E-02	NOT IDENT.
ND-147	8.455E-01	FAIL ABUN
PM-147	4.292E+02	NOT IDENT.
PM-149	0.000E+00	SHORT HLIF
EU-150	1.695E-02	FAIL ABUN
EU-152	6.158E-02	FAIL ABUN
GD-153	4.731E-02	NOT IDENT.
EU-154	5.978E-02	NOT IDENT.
TB-160	9.494E-02	FAIL ABUN

HO-166M	4.254E-02	FAIL ABUN
TM-171	1.441E+01	NOT IDENT.
HF-172	1.086E-01	FAIL ABUN
LU-172	3.754E-02	FAIL ABUN
LU-176	1.654E-02	FAIL ABUN
HF-181	3.306E-02	NOT IDENT.
TA-182	9.852E-02	FAIL ABUN
RE-183	1.607E-01	NOT IDENT.
RE-184	8.301E-02	NOT IDENT.
W-188	4.631E+00	FAIL ABUN
IR-192	2.552E-02	FAIL ABUN
HG-203	3.014E-02	NOT IDENT.
TL-204	2.987E+00	NOT IDENT.
BI-207	2.966E-02	FAIL ABUN
BI-210	3.772E+00	NOT IDENT.
PB-210	3.772E+00	NOT IDENT.
PB-211	4.410E-01	NOT IDENT.
BI-213	6.886E-02	NOT IDENT.
RN-219	2.718E-01	NOT IDENT.
RA-223	4.125E-01	FAIL ABUN
AC-225	9.304E-01	NOT IDENT.
AC-227	1.526E-01	FAIL ABUN
TH-227	1.526E-01	FAIL ABUN
PA-231	3.033E-01	NOT IDENT.
TH-231	4.125E-01	FAIL ABUN
PA-233	4.030E-02	NOT IDENT.
PA-234	1.966E-01	NOT IDENT.
PA-234M	3.189E+00	NOT IDENT.
NP-237	4.030E-02	NOT IDENT.
NP-238	0.000E+00	SHORT HLIF
NP-239	1.481E-01	FAIL ABUN
PU-239	2.197E+02	FAIL ABUN
AM-241	1.034E-01	NOT IDENT.
CM-243	5.460E-02	FAIL ABUN
BK-247	4.761E-02	FAIL ABUN
CM-247	2.446E-02	FAIL ABUN
CF-249	2.551E-02	NOT IDENT.
CF-251	7.966E-02	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-DEC-2023 21:30:14.33

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981002.CNF;1		
Acquisition date	: 12-DEC-2023 19:29:15	Sensitivity	: 3.000
Detector ID	: GAM23	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:02.57	Half life ratio	: *****
Sample date	: 13-NOV-2023 12:00:00	Nuclide Library	: SOLID
Sample ID	: G645981002	Analyst initials	: RXF2
Batch Number	: 2529194	Sample Quantity	: 1.3639E+02 GRAM
		Quantity Err(%)	: 1.4664E-03 %
Wet wt corr	: 1.00000	Wet Weight	: 0.00000
		Dry Weight	: 0.00000

CALIBRATION INFORMATION

Eff. Cal. date	: 6-SEP-2023 11:17:47	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM23_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)
K-40	3.651E+00	7.349E-01	7.349E-01
CD-109	3.110E+00	1.169E+00	1.169E+00
SN-126	2.976E-01	1.107E-01	1.107E-01
EU-155	1.158E-01	1.411E-01	1.411E-01
TL-208	3.485E-01	7.874E-02	7.874E-02
BI-211	5.220E+00	6.767E-01	6.767E-01
BI-212	1.975E+00	8.117E-01	8.117E-01
PB-212	1.150E+00	1.474E-01	1.474E-01
BI-214	1.557E+00	2.257E-01	2.257E-01
PB-214	1.895E+00	2.436E-01	2.436E-01
RN-222	1.557E+00	2.257E-01	2.257E-01
RA-224	5.823E+00	1.226E+00	1.226E+00
RA-226	1.895E+00	2.436E-01	2.436E-01
AC-228	1.424E+00	2.975E-01	2.975E-01
RA-228	1.424E+00	2.975E-01	2.975E-01
TH-228	1.150E+00	1.474E-01	1.474E-01
TH-229	1.732E-01	3.761E-01	3.761E-01
TH-230	1.895E+00	2.436E-01	2.436E-01
TH-232	1.424E+00	2.975E-01	2.975E-01
TH-234	2.976E+00	1.976E+00	1.976E+00
U-234	1.895E+00	2.436E-01	2.436E-01
U-235	1.300E-01	2.204E-01	2.204E-01
U-238	2.976E+00	1.976E+00	1.976E+00
AM-243	3.373E-01	8.607E-02	8.607E-02
ANH-511	9.987E-02	5.966E-02	5.966E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	3.231E-03	2.895E-01	2.895E-01	NOT IDENT.
NA-22	2.883E-03	2.443E-02	2.446E-02	NOT IDENT.
NA-24	2.182E+12	3.386E+12	3.526E+12	SHORT HLIF
AL-26	-7.706E-03	2.290E-02	2.317E-02	NOT IDENT.
SC-46	-4.575E-04	3.090E-02	3.090E-02	FAIL ABUN

V-48	-4.327E-03	7.886E-02	7.888E-02	NOT IDENT.
CR-51	1.495E-01	3.481E-01	3.546E-01	NOT IDENT.
MN-52	5.537E-01	1.166E+00	1.192E+00	FAIL ABUN
MN-54	-2.440E-03	2.755E-02	2.758E-02	NOT IDENT.
CO-56	-1.208E-03	3.546E-02	3.547E-02	FAIL ABUN
MN-56	-1.000E+41	3.606E+42	0.000E+00	SHORT HLIF
CO-57	-1.198E-05	1.682E-02	1.682E-02	NOT IDENT.
CO-58	-2.101E-03	3.190E-02	3.191E-02	NOT IDENT.
FE-59	-3.336E-02	7.500E-02	7.649E-02	NOT IDENT.
CO-60	-1.158E-02	3.363E-02	3.403E-02	NOT IDENT.
ZN-65	5.947E-02	7.511E-02	7.975E-02	NOT IDENT.
GE-68	3.612E-01	8.941E-01	9.089E-01	NOT IDENT.
AS-73	-2.238E-02	1.018E+00	1.018E+00	NOT IDENT.
AS-74	3.496E-02	1.112E-01	1.123E-01	NOT IDENT.
SE-75	5.543E-03	3.820E-02	3.828E-02	NOT IDENT.
BR-77	1.134E+04	9.711E+03	1.097E+04	SHORT HLIF
SR-82	-3.627E-02	3.753E-01	3.757E-01	NOT IDENT.
RB-83	6.812E-03	6.023E-02	6.031E-02	NOT IDENT.
RB-84	-2.655E-03	6.773E-02	6.774E-02	NOT IDENT.
KR-85	6.302E-01	6.275E+00	6.282E+00	NOT IDENT.
SR-85	3.811E-03	3.862E-02	3.865E-02	NOT IDENT.
RB-86	-1.191E-01	9.437E-01	9.452E-01	NOT IDENT.
Y-88	1.399E-02	2.983E-02	3.049E-02	NOT IDENT.
Y-91	-2.606E+00	1.271E+01	1.276E+01	NOT IDENT.
NB-94	7.664E-03	2.348E-02	2.374E-02	NOT IDENT.
NB-95	2.825E-02	3.589E-02	3.809E-02	NOT IDENT.
NB-95M	1.652E-02	1.177E-01	1.180E-01	NOT IDENT.
ZR-95	5.485E-04	6.203E-02	6.203E-02	NOT IDENT.
NB-97	-1.000E+41	3.592E+41	0.000E+00	SHORT HLIF
ZR-97	2.720E+12	1.479E+12	1.921E+12	SHORT HLIF
MO-99	1.209E+02	3.033E+02	3.082E+02	SHORT HLIF
TC-99M	1.336E+33	3.294E+33	0.000E+00	SHORT HLIF
RH-101	5.349E-03	2.069E-02	2.083E-02	NOT IDENT.
RH-102	-2.070E-03	3.931E-02	3.932E-02	NOT IDENT.
RU-103	-8.539E-04	3.675E-02	3.675E-02	FAIL ABUN
RH-106	-1.323E-01	2.364E-01	2.438E-01	NOT IDENT.
RU-106	-1.323E-01	2.364E-01	2.438E-01	NOT IDENT.
AG-108M	-2.710E-03	1.869E-02	1.873E-02	NOT IDENT.
AG-110	-2.031E-01	5.752E-01	5.824E-01	NOT IDENT.
AG-110M	2.004E-03	3.668E-02	3.669E-02	NOT IDENT.
SN-113	1.054E-03	3.580E-02	3.580E-02	NOT IDENT.
CD-115	2.418E+02	6.790E+02	6.877E+02	SHORT HLIF
SN-117M	1.359E-02	7.870E-02	7.894E-02	NOT IDENT.
SB-122	-1.597E+01	5.711E+01	5.756E+01	SHORT HLIF
TE-123M	1.178E-02	2.085E-02	2.152E-02	NOT IDENT.
SB-124	-3.130E-02	7.557E-02	7.688E-02	NOT IDENT.
SB-125	2.766E-02	6.740E-02	6.854E-02	FAIL ABUN
TE-125M	3.725E+00	7.185E+00	7.379E+00	NOT IDENT.
I-126	3.211E-01	3.439E-01	3.732E-01	NOT IDENT.
SB-126	-1.426E-01	2.541E-01	2.621E-01	NOT IDENT.
SB-127	4.341E+00	1.590E+01	1.602E+01	NOT IDENT.
I-131	1.711E-01	2.689E-01	2.798E-01	NOT IDENT.
I-132	-1.000E+41	3.457E+41	0.000E+00	SHORT HLIF
TE-132	-2.746E+00	1.165E+01	1.172E+01	NOT IDENT.
BA-133	-1.668E-02	3.131E-02	3.220E-02	FAIL ABUN
I-133	-2.584E+08	3.799E+08	3.974E+08	SHORT HLIF
CS-134	4.063E-02	2.962E-02	3.483E-02	NOT IDENT.
I-135	5.578E+30	1.750E+31	0.000E+00	SHORT HLIF
CS-136	1.228E-02	1.727E-01	1.728E-01	FAIL ABUN
BA-137M	7.830E-03	2.526E-02	2.551E-02	NOT IDENT.
CS-137	8.272E-03	2.669E-02	2.695E-02	NOT IDENT.
LA-138	-4.821E-05	4.703E-02	4.703E-02	NOT IDENT.
CE-139	1.475E-02	2.224E-02	2.321E-02	NOT IDENT.
BA-140	2.081E-02	3.831E-01	3.832E-01	FAIL ABUN
LA-140	-1.373E-01	1.941E-01	2.037E-01	FAIL ABUN
CE-141	-1.829E-02	6.556E-02	6.607E-02	NOT IDENT.
CE-143	2.006E+05	1.250E+05	1.543E+05	SHORT HLIF
CE-144	3.430E-02	1.379E-01	1.387E-01	NOT IDENT.
PM-144	4.755E-03	2.298E-02	2.308E-02	NOT IDENT.
PR-144	3.585E-01	1.732E+00	1.740E+00	NOT IDENT.
PM-146	-1.089E-02	2.955E-02	2.995E-02	NOT IDENT.
ND-147	-4.899E-01	1.054E+00	1.077E+00	FAIL ABUN
PM-147	2.781E+02	4.618E+02	4.786E+02	NOT IDENT.
PM-149	-4.519E+03	6.116E+03	6.447E+03	SHORT HLIF
EU-150	1.338E-02	1.972E-02	2.063E-02	FAIL ABUN
EU-152	2.167E-02	6.758E-02	6.828E-02	FAIL ABUN
GD-153	-1.865E-02	5.287E-02	5.353E-02	NOT IDENT.
EU-154	9.567E-03	6.901E-02	6.915E-02	NOT IDENT.

TB-160	2.306E-02	1.077E-01	1.082E-01	FAIL ABUN
HO-166M	2.362E-02	4.616E-02	4.737E-02	FAIL ABUN
TM-171	-2.632E+01	2.085E+01	2.399E+01	NOT IDENT.
HF-172	-8.941E-03	1.222E-01	1.222E-01	FAIL ABUN
LU-172	1.044E-02	4.330E-02	4.356E-02	FAIL ABUN
LU-176	3.244E-04	2.036E-02	2.036E-02	FAIL ABUN
HF-181	7.572E-03	4.208E-02	4.222E-02	NOT IDENT.
TA-182	-2.655E-02	1.248E-01	1.254E-01	FAIL ABUN
RE-183	3.045E-02	1.667E-01	1.672E-01	NOT IDENT.
RE-184	1.123E-02	1.276E-01	1.277E-01	NOT IDENT.
W-188	-5.578E-01	6.245E+00	6.250E+00	FAIL ABUN
IR-192	7.958E-03	2.788E-02	2.811E-02	FAIL ABUN
HG-203	6.296E-03	3.930E-02	3.940E-02	NOT IDENT.
TL-204	-3.779E+00	3.738E+00	4.108E+00	NOT IDENT.
BI-207	1.146E-02	3.597E-02	3.634E-02	FAIL ABUN
BI-210	3.985E+00	4.304E+00	4.664E+00	NOT IDENT.
PB-210	3.985E+00	4.304E+00	4.664E+00	NOT IDENT.
PB-211	1.090E-02	5.037E-01	5.037E-01	NOT IDENT.
BI-213	4.253E-02	7.567E-02	7.806E-02	NOT IDENT.
RN-219	1.025E-01	3.026E-01	3.061E-01	NOT IDENT.
RA-223	1.961E-01	4.926E-01	5.005E-01	FAIL ABUN
AC-225	-3.407E-01	1.129E+00	1.139E+00	NOT IDENT.
AC-227	1.526E-01	2.065E-01	2.177E-01	FAIL ABUN
TH-227	1.526E-01	2.065E-01	2.177E-01	FAIL ABUN
PA-231	-1.943E-02	3.748E-01	3.749E-01	NOT IDENT.
TH-231	1.961E-01	4.926E-01	5.005E-01	FAIL ABUN
PA-233	1.246E-02	4.393E-02	4.429E-02	NOT IDENT.
PA-234	3.900E-02	2.306E-01	2.313E-01	NOT IDENT.
PA-234M	2.745E+00	3.431E+00	3.647E+00	NOT IDENT.
NP-237	1.246E-02	4.393E-02	4.429E-02	NOT IDENT.
NP-238	-1.435E+01	1.300E+03	1.300E+03	SHORT HLIF
NP-239	-7.306E-02	1.692E-01	1.724E-01	FAIL ABUN
PU-239	7.488E+02	4.211E+02	5.397E+02	FAIL ABUN
AM-241	-4.106E-02	1.109E-01	1.125E-01	NOT IDENT.
CM-243	-4.181E-02	6.801E-02	7.057E-02	FAIL ABUN
BK-247	-3.287E-05	6.272E-02	6.272E-02	FAIL ABUN
CM-247	1.225E-03	2.787E-02	2.788E-02	FAIL ABUN
CF-249	-2.116E-02	3.088E-02	3.232E-02	NOT IDENT.
CF-251	2.457E-02	9.073E-02	9.140E-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	97.6359	85.43	100.7245	131.20	107.3037
45.60	104.4470	86.55	119.6511	133.02	118.0435
46.54	86.5515	86.79	119.7486	133.52	106.6257
49.72	105.3741	86.94	119.8103	136.00	107.5821
51.35	91.7146	87.09	119.8721	136.47	108.6726
51.87	86.1206	87.57	120.0682	140.51	0.0000
52.39	115.6196	88.03	172.7600	143.76	133.2213
52.97	98.3444	88.34	172.9406	144.24	133.3665
53.44	91.2200	88.47	173.0168	145.44	130.7552
54.07	98.8852	89.96	175.0171	152.43	122.7260
57.36	0.0000	1093.63	175.4119	153.25	117.9034
57.53	92.2979	91.11	175.6829	323.87	129.2539
57.98	92.4926	92.59	176.5335	156.02	138.8772
59.27	109.6914	93.35	176.9690	158.56	124.3363
59.32	109.7169	94.56	136.1266	159.00	110.1687
59.54	109.0706	94.65	136.1650	162.33	109.9029
60.96	92.4978	94.67	136.1746	162.66	109.9764
61.17	98.6898	94.87	136.2610	163.33	124.5375
62.93	120.7427	97.43	117.8644	165.86	109.6586
63.29	120.9332	98.43	102.4669	176.31	101.3730
63.58	121.0868	98.44	102.4696	176.60	108.8246
64.28	118.6192	99.53	122.1468	177.52	113.2499
66.73	128.2038	100.11	117.9615	181.07	0.0000
67.24	136.3119	102.03	110.9748	181.52	118.0173
125.81	137.3463	103.18	113.7256	184.41	120.0818
67.75	137.3863	103.37	113.7900	143.76	120.3706
68.89	143.5552	105.21	114.4082	193.51	93.0065
69.67	126.6064	105.31	114.4424	197.03	105.2813
70.82	152.6323	106.12	114.7129	198.01	118.6441
70.83	152.6396	106.47	124.3982	201.83	132.6965
72.81	134.6133	109.28	109.4282	203.43	117.5355
72.87	134.6440	111.00	149.9454	205.31	102.3362
74.66	135.5836	111.76	110.1945	210.85	106.2775
74.82	135.6682	114.06	117.3125	215.65	126.7255
74.97	135.7463	116.30	120.7956	218.12	103.3734
77.11	136.8525	116.74	123.7091	222.11	109.7461
78.74	126.7570	119.76	115.4014	227.09	94.4734
79.69	141.4559	121.12	99.9362	227.38	92.2107
80.03	125.1606	121.22	99.0281	228.16	106.1700
80.12	131.7932	121.78	110.3990	228.18	106.1729
80.19	131.8274	122.06	116.0967	116.74	106.1729
80.57	138.6097	122.92	132.3080	235.69	116.7282
81.00	138.8251	123.07	132.3586	235.96	116.7755
81.07	138.8597	265.00	121.2849	238.63	110.2065
81.75	121.5232	125.81	117.2178	238.98	0.0000
82.47	139.5595	127.23	102.4579	240.99	110.5909
83.79	115.7294	127.91	106.4347	242.00	110.7544
84.00	115.8151	129.30	104.8958	244.70	70.9735

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.40	86.1119	344.28	60.7091	563.25	32.3425
252.80	81.3736	345.93	60.3699	564.24	0.0000
254.15	0.0000	351.06	62.9504	569.33	44.3883
256.23	92.9892	351.93	63.0088	946.00	42.2278
260.90	0.0000	355.39	0.0000	569.70	42.2341
264.66	76.2316	356.01	62.3768	583.19	42.6261
264.80	76.2469	364.49	48.3364	584.27	42.6578
265.00	76.2660	366.42	0.0000	595.83	30.8643
269.46	72.2357	372.51	66.2021	427.87	30.9622
270.03	72.2916	375.05	69.1376	602.52	0.0000
271.23	72.4068	377.52	57.2937	604.72	33.2629
273.65	86.1819	356.01	51.1451	607.14	39.9800
276.40	97.2026	388.16	75.6409	609.32	47.8221
277.37	84.1284	388.63	65.3986	610.33	47.8536
277.60	84.1533	391.69	60.9071	614.28	25.1038
278.00	84.1969	264.66	55.7602	618.01	38.0259
279.20	82.6741	401.81	57.7137	620.36	30.2421
279.54	82.7108	402.40	61.5326	621.93	39.2426
279.70	76.1108	404.85	55.0323	630.19	0.0000
280.46	84.4667	410.95	61.5474	631.29	32.7088
283.69	66.5234	413.71	47.3549	633.25	32.7501
284.31	91.5413	414.70	43.0893	634.78	27.1289
285.41	83.7541	423.72	63.7173	635.95	30.5431
285.90	0.0000	427.09	33.8920	636.99	33.9587
287.50	71.8591	427.87	49.4197	657.50	38.9763
290.67	65.4348	433.94	39.9440	657.76	35.5435
293.27	0.0000	439.40	46.9883	657.90	0.0000
351.93	72.5555	440.45	45.0716	661.66	29.8816
295.96	72.6220	453.88	48.5673	664.57	0.0000
879.38	78.7847	463.37	52.9526	666.33	26.5076
299.98	70.2643	468.07	34.9048	666.50	26.5105
300.09	66.1997	473.00	35.2478	667.71	0.0000
300.13	66.2029	475.06	42.3683	677.62	22.6262
301.36	82.8766	476.78	47.4781	685.70	38.4731
302.85	100.9102	477.60	48.5205	692.65	0.0000
256.23	60.1542	482.18	38.0470	695.00	38.6826
304.85	69.1430	487.02	37.6850	696.49	29.0361
306.78	71.8696	492.35	0.0000	696.51	29.0371
308.46	60.4396	497.08	33.8788	697.00	24.6444
311.90	64.5599	505.52	26.3513	697.30	23.7684
316.51	67.5057	507.63	0.0000	697.49	23.7708
319.41	71.2061	511.00	40.4711	702.65	32.6720
320.08	57.3552	514.00	57.7244	706.68	47.7938
321.04	70.4696	514.00	57.7244	711.68	34.6154
323.87	65.4602	520.40	43.8953	720.70	37.1109
325.23	57.6949	520.69	0.0000	721.93	0.0000
328.76	66.7010	522.65	0.0000	722.78	30.0091
333.37	47.6378	527.90	0.0000	722.91	30.0111
333.97	54.2905	528.26	38.8970	723.31	28.5889
334.37	62.2627	529.59	48.4071	724.19	22.8820
338.28	69.1847	529.87	0.0000	727.33	25.9671
338.32	69.1879	531.02	48.4576	733.00	24.4317
311.90	77.3534	537.26	32.8063	735.93	30.5884
340.48	77.3534	546.56	0.0000	333.97	30.6143
340.55	77.3587	552.55	31.0296	739.50	0.0000

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
744.23	32.5360	949.00	28.9531	1384.29	18.7227
747.24	25.3468	667.71	0.0000	1408.01	14.1438
748.06	28.0748	962.31	15.0623	1434.09	13.3048
752.31	26.3237	964.08	15.0737	1435.80	16.1641
753.82	32.7052	966.17	15.0874	1457.56	0.0000
756.73	29.1162	911.20	15.1053	1460.82	7.9826
756.80	29.1172	983.53	16.2124	1489.16	8.6924
884.68	26.3057	984.45	0.0000	1505.03	27.1660
765.81	23.4063	1274.44	21.3929	1584.12	16.5308
766.42	32.1943	1001.03	20.4144	1596.21	18.2429
766.84	33.6645	1002.74	25.5363	1620.50	9.0141
772.60	0.0000	1004.73	27.6023	1621.92	10.0195
776.52	34.9408	507.63	0.0000	1678.03	0.0000
739.50	0.0000	1025.87	0.0000	1690.97	10.2017
778.90	32.2218	1028.54	0.0000	1750.46	0.0000
783.70	32.3030	1037.84	24.8687	1764.49	8.3133
788.74	32.3874	1038.76	0.0000	1063.66	8.6719
792.07	41.7123	631.29	25.9964	1771.35	3.4697
795.86	19.5036	1048.07	20.8093	1791.20	0.0000
810.06	36.4828	1049.04	16.6533	1808.65	7.3527
810.29	35.5519	1050.41	23.3283	1810.72	0.0000
344.28	35.5543	1063.66	15.3542	1836.06	5.2864
810.76	28.0737	1077.00	21.0474		
815.77	30.0205	1077.34	16.8398		
1048.07	22.5461	1085.87	21.1194		
832.01	25.5350	1093.63	16.9463		
834.85	31.2527	1099.45	21.2305		
835.71	33.1607	1112.07	29.0112		
836.80	0.0000	1112.84	27.7393		
846.75	0.0000	1115.54	18.7967		
846.77	33.3401	1120.29	26.7471		
856.80	19.9094	1120.55	26.7502		
860.56	21.0963	1221.41	26.7578		
871.09	30.8389	1129.67	17.1787		
873.19	29.3257	1131.51	0.0000		
875.33	0.0000	1147.95	0.0000		
879.38	23.2192	1173.23	19.1995		
880.51	22.2637	1177.95	14.2053		
881.60	26.1488	1189.05	15.3586		
883.24	22.2918	1204.77	8.8252		
884.68	24.2470	1221.41	17.7529		
889.28	22.2154	1231.02	14.2492		
894.76	23.3855	1235.36	26.7568		
898.04	21.4689	1238.28	17.8564		
900.72	20.3233	1260.41	0.0000		
903.28	15.6514	1271.87	9.0298		
911.20	21.5985	1274.44	11.0460		
912.08	21.6072	1274.54	11.0465		
923.98	0.0000	1291.59	12.1185		
926.50	30.6443	1298.22	0.0000		
929.11	23.7517	1312.11	10.0649		
935.54	14.2919	1332.49	23.9472		
937.49	15.8936	1362.66	0.0000		
944.13	15.9399	1365.19	12.0974		
946.00	24.9268	1368.63	0.0000		

VAX/VMS Nuclide Identification Report Generated 12-DEC-2023 21:30:42.58

```
*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981003.CNF;1
Background file  : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM31.CNF;737
                                    Background date  : 10-DEC-2023 11:04:48
Sample date      : 13-NOV-2023 12:00:00 Acquisition date : 12-DEC-2023 19:30:01
Sample ID        : G645981003           Sample quantity  : 1.37890E+02 GRAM
Detector name    : GAM31                Detector geometry: CAN
Elapsed live time: 0 02:00:00.00        Elapsed real time: 0 02:00:07.09  0.1%
Energy tolerance : 1.50000 keV          Analyst Initials : RXF2
Abundance limit  : 75.00000             Sensitivity      : 3.00000
Batch ID         : 2529194              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	53.10*	47	482	0.62	106.67	104	7	6.49E-03	82.4	
2	0	63.56*	163	724	1.23	127.62	124	9	2.27E-02	32.3	
3	2	75.04*	393	396	1.00	150.61	145	15	5.46E-02	9.7	1.31E+00
4	2	77.30*	664	333	0.86	155.15	145	15	9.22E-02	5.8	
5	0	84.12*	118	382	1.31	168.80	165	8	1.63E-02	31.2	
6	0	87.31	201	386	1.09	175.18	172	7	2.79E-02	17.6	
7	8	92.93*	248	303	1.17	186.44	183	10	3.44E-02	14.3	2.90E+00
8	0	143.66*	52	248	2.65	288.00	284	10	7.26E-03	58.9	
9	4	186.09*	246	166	1.30	372.96	367	17	3.41E-02	11.8	1.25E+00
10	4	189.16	33	195	1.74	379.10	367	17	4.53E-03	88.3	
11	0	209.57	49	187	0.88	419.98	416	9	6.78E-03	52.7	
12	2	238.84*	591	104	1.14	478.58	475	26	8.21E-02	5.2	1.00E+00
13	2	242.09	233	132	1.51	485.09	475	26	3.23E-02	11.0	
14	0	270.57*	77	157	2.59	542.11	536	12	1.07E-02	35.6	
15	0	295.36*	364	151	1.33	591.74	584	14	5.06E-02	9.0	
16	0	300.43*	42	92	0.93	601.90	597	11	5.88E-03	48.4	
17	0	328.59	32	132	0.71	658.28	654	11	4.49E-03	71.6	
18	0	338.52	157	107	1.13	678.16	674	11	2.18E-02	15.0	
19	0	352.13*	588	182	1.19	705.42	700	12	8.17E-02	6.3	
20	0	396.55	24	61	1.57	794.35	790	9	3.39E-03	61.7	
21	0	446.36	33	57	3.71	894.07	888	12	4.52E-03	49.6	
22	0	463.86	66	65	1.20	929.11	923	13	9.17E-03	28.0	
23	0	511.16*	33	98	1.88	1023.81	1015	15	4.57E-03	80.3	
24	0	528.08	21	48	0.58	1057.68	1051	13	2.85E-03	73.4	
25	0	583.32*	121	65	1.46	1168.28	1163	11	1.68E-02	16.3	
26	0	609.49*	462	63	1.37	1220.67	1214	15	6.41E-02	6.1	
27	0	655.34	68	66	8.23	1312.48	1298	27	9.46E-03	35.7	
28	0	690.61	21	28	0.58	1383.08	1377	11	2.92E-03	56.2	
29	0	727.65*	47	56	1.71	1457.23	1448	15	6.54E-03	38.1	
30	0	769.25	26	34	0.95	1540.51	1535	8	3.55E-03	45.0	
31	0	807.31	17	30	2.01	1616.71	1607	12	2.36E-03	68.9	
32	0	852.16	31	26	2.71	1706.51	1697	18	4.25E-03	43.7	
33	0	870.77	14	101	5.75	1743.77	1718	34	1.98E-03	211.2	
34	8	911.17*	89	18	1.96	1824.64	1819	18	1.24E-02	15.8	1.25E+00

Sample ID : G645981003 Acquisition date : 12-DEC-2023 19:30:01

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
35	8	915.29	13	5	2.35	1832.88	1819	18	1.80E-03	50.0	
36	0	935.13	15	49	0.73	1872.60	1863	14	2.08E-03	102.3	
37	4	964.70	27	19	1.94	1931.79	1928	19	3.69E-03	33.0	1.80E+00
38	4	968.90*	66	26	2.06	1940.21	1928	19	9.15E-03	21.0	
39	0	993.52	14	10	3.90	1989.49	1982	14	1.94E-03	55.9	
40	0	1000.12	30	13	2.27	2002.70	1996	13	4.18E-03	30.7	
41	0	1005.59	15	8	3.14	2013.66	2009	9	2.03E-03	45.1	
42	0	1089.28	21	3	1.43	2181.20	2174	14	2.87E-03	29.1	
43	0	1120.31	102	24	1.26	2243.30	2238	12	1.42E-02	13.8	
44	0	1153.75	9	14	1.29	2310.24	2307	8	1.25E-03	76.2	
45	0	1216.92	12	7	1.70	2436.71	2433	9	1.67E-03	48.7	
46	0	1238.36	71	20	1.80	2479.62	2472	15	9.86E-03	18.6	
47	0	1376.81	35	9	1.43	2756.76	2749	13	4.81E-03	25.1	
48	0	1402.05	11	13	2.94	2807.30	2797	13	1.50E-03	75.1	
49	0	1409.82	22	9	5.31	2822.84	2816	14	3.12E-03	36.6	
50	0	1460.37*	69	3	1.47	2924.02	2917	13	9.52E-03	14.5	
51	0	1729.65	14	7	1.58	3463.01	3458	10	1.88E-03	46.6	
52	0	1764.56*	58	9	1.54	3532.89	3527	12	8.10E-03	17.4	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 12-DEC-2023 21:30:44

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981003.CNF;1		
Analyses by	: PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4		
Sample title	: RXF2		
Sample date	: 13-NOV-2023 12:00:00	Acquisition date	: 12-DEC-2023 19:30:01
Sample ID	: G645981003	Sample quantity	: 137.89 GRAM
Sample type	: SOLID	Sample geometry	:
Detector name	: GAMMA31	Detector geometry	: CAN
Elapsed live time	: 0 02:00:00.00	Elapsed real time	: 0 02:00:07.09 0.1%
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	66	10.66*	7.028E-01	2.384E+00	2.384E+00	28.94
AS-73	53.44	58	10.30*	5.918E+00	2.574E-01	3.316E-01	164.87
CD-109	88.03	240	3.70*	5.636E+00	3.129E+00	3.270E+00	35.22
SN-126	64.28	199	9.60	5.955E+00	9.478E-01	9.478E-01	64.54
	86.94	240	8.90	5.636E+00	1.301E+00	1.301E+00	35.22
	87.57	240	37.00*	5.636E+00	3.129E-01	3.129E-01	35.22
TL-208	277.37	------	6.60	2.854E+00	------ Line Not Found		------
	583.19	125	85.00*	1.527E+00	2.629E-01	2.629E-01	32.52
	860.56	------	12.50	1.091E+00	------ Line Not Found		------
BI-211	72.87	------	1.23	5.872E+00	------ Line Not Found		------
	351.06	632	12.92*	2.350E+00	5.669E+00	5.669E+00	12.60
BI-212	727.33	48	6.67*	1.261E+00	1.548E+00	1.548E+00	76.17
	1620.50	------	1.47	6.468E-01	------ Line Not Found		------
PB-212	74.82	474	10.28	5.842E+00	2.147E+00	2.147E+00	19.40
	77.11	798	17.10	5.809E+00	2.186E+00	2.186E+00	11.64
	238.63	655	43.60*	3.205E+00	1.276E+00	1.276E+00	10.34
	300.09	46	3.30	2.677E+00	1.419E+00	1.419E+00	96.82
BI-214	609.32	476	45.49*	1.470E+00	1.937E+00	1.937E+00	12.24
	1120.29	100	14.92	8.733E-01	2.087E+00	2.087E+00	27.59
	1764.49	55	15.30	6.049E-01	1.615E+00	1.615E+00	34.78
PB-214	74.82	474	5.80	5.842E+00	3.806E+00	3.806E+00	19.40
	77.11	798	9.70	5.809E+00	3.854E+00	3.854E+00	11.64
	87.09	240	3.41	5.636E+00	3.395E+00	3.395E+00	35.22
	242.00	258	7.25	3.172E+00	3.049E+00	3.049E+00	22.09
	295.22	397	18.42	2.714E+00	2.163E+00	2.163E+00	17.93
	351.93	632	35.60*	2.350E+00	2.057E+00	2.057E+00	12.60
RN-222	609.32	476	45.49*	1.470E+00	1.937E+00	1.937E+00	12.24
	1120.29	100	14.92	8.733E-01	2.087E+00	2.087E+00	27.59
	1764.49	55	15.30	6.049E-01	1.615E+00	1.615E+00	34.78
RA-224	240.99	258	4.10*	3.172E+00	5.392E+00	5.392E+00	22.09
RA-226	74.82	474	5.80	5.842E+00	3.806E+00	3.806E+00	19.40
	77.11	798	9.70	5.809E+00	3.854E+00	3.854E+00	11.64
	87.09	240	3.41	5.636E+00	3.395E+00	3.395E+00	35.22
	242.00	258	7.25	3.172E+00	3.049E+00	3.049E+00	22.09
	295.22	397	18.42	2.714E+00	2.163E+00	2.163E+00	17.93
	351.93	632	35.60*	2.350E+00	2.057E+00	2.057E+00	12.60
AC-228	105.21	------	1.10	5.276E+00	------ Line Not Found		------
	338.32	169	11.27	2.428E+00	1.684E+00	1.684E+00	29.93
	835.71	------	1.61	1.119E+00	------ Line Not Found		------
	911.20	89	25.80*	1.039E+00	9.013E-01	9.013E-01	31.62
	968.97	65	15.80	9.866E-01	1.141E+00	1.141E+00	42.00
RA-228	105.21	------	1.10	5.276E+00	------ Line Not Found		------
	338.32	169	11.27	2.428E+00	1.684E+00	1.684E+00	29.93
	835.71	------	1.61	1.119E+00	------ Line Not Found		------
	911.20	89	25.80*	1.039E+00	9.013E-01	9.013E-01	31.62
	968.97	65	15.80	9.866E-01	1.141E+00	1.141E+00	42.00
TH-228	74.82	474	10.28	5.842E+00	2.147E+00	2.147E+00	19.40
	77.11	798	17.10	5.809E+00	2.186E+00	2.186E+00	11.64
	238.63	655	43.60*	3.205E+00	1.276E+00	1.276E+00	10.34

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	300.09	46	3.30	2.677E+00	1.419E+00	1.419E+00	96.82
TH-229	85.43	141	14.70	5.694E+00	4.571E-01	4.571E-01	62.38
	88.47	240	24.00	5.636E+00	4.824E-01	4.824E-01	35.22
	193.51	------	4.41*	3.735E+00	------ Line Not Found		------
	210.85	55	2.80	3.530E+00	1.503E+00	1.503E+00	105.40
TH-230	74.82	474	5.80	5.842E+00	3.806E+00	3.806E+00	19.40
	77.11	798	9.70	5.809E+00	3.854E+00	3.854E+00	11.64
	87.09	240	3.41	5.636E+00	3.395E+00	3.395E+00	35.22
	242.00	258	7.25	3.172E+00	3.049E+00	3.049E+00	22.09
	295.22	397	18.42	2.714E+00	2.163E+00	2.163E+00	17.93
	351.93	632	35.60*	2.350E+00	2.057E+00	2.057E+00	12.60
PA-231	283.69	------	1.70	2.803E+00	------ Line Not Found		------
	301.36	46	5.35*	2.677E+00	8.754E-01	8.754E-01	96.82
TH-232	105.21	------	1.10	5.276E+00	------ Line Not Found		------
	338.32	169	11.27	2.428E+00	1.684E+00	1.684E+00	29.93
	835.71	------	1.61	1.119E+00	------ Line Not Found		------
	911.20	89	25.80*	1.039E+00	9.013E-01	9.013E-01	31.62
	968.97	65	15.80	9.866E-01	1.141E+00	1.141E+00	42.00
TH-234	63.29	199	3.70*	5.955E+00	2.459E+00	2.459E+00	64.54
	92.59	294	4.23	5.526E+00	3.423E+00	3.423E+00	28.70
U-234	74.82	474	5.80	5.842E+00	3.806E+00	3.806E+00	19.40
	77.11	798	9.70	5.809E+00	3.854E+00	3.854E+00	11.64
	87.09	240	3.41	5.636E+00	3.395E+00	3.395E+00	35.22
	242.00	258	7.25	3.172E+00	3.049E+00	3.049E+00	22.09
	295.22	397	18.42	2.714E+00	2.163E+00	2.163E+00	17.93
	351.93	632	35.60*	2.350E+00	2.057E+00	2.057E+00	12.60
U-235	89.96	------	3.47	5.585E+00	------ Line Not Found		------
	93.35	294	5.60	5.526E+00	2.585E+00	2.585E+00	28.70
	143.76	60	10.96*	4.517E+00	3.307E-01	3.307E-01	117.76
	163.33	------	5.08	4.180E+00	------ Line Not Found		------
	185.72	277	57.20	3.837E+00	3.439E-01	3.439E-01	23.53
	205.31	------	5.01	3.582E+00	------ Line Not Found		------
U-238	63.29	199	3.70*	5.955E+00	2.459E+00	2.459E+00	64.54
	92.59	294	4.23	5.526E+00	3.423E+00	3.423E+00	28.70
AM-243	43.53	------	5.90	5.667E+00	------ Line Not Found		------
	74.66	474	67.20*	5.842E+00	3.285E-01	3.285E-01	19.40
ANH-511	511.00	34	100.00*	1.711E+00	5.464E-02	5.464E-02	160.67

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 12-DEC-2023 21:30:45.03

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981003.CNF;1		
Acquisition date	: 12-DEC-2023 19:30:01	Sensitivity	: 3.000
Detector ID	: GAM31	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:07.09	Half life ratio	: *****
Sample date	: 13-NOV-2023 12:00:00	Analyst initials	: RXF2
Sample ID	: G645981003	Sample Quantity	: 1.3789E+02 GRAM
Batch Number	: 2529194	Wet Weight	: 0.00000
Wet wt corr	: 1.00000	Dry Weight	: 0.00000
Nuclide Library	: SOLID.NLB;17		

CALIBRATION INFORMATION

Eff. Cal. date	: 5-JUN-2023 07:16:39	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM31_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	2.384E+00	6.760E-01	5.587E-01
AS-73	3.316E-01	5.359E-01	4.765E-01
CD-109	3.270E+00	1.129E+00	1.237E+00
SN-126	3.129E-01	1.080E-01	1.066E-01
TL-208	2.629E-01	8.377E-02	6.880E-02
BI-211	5.669E+00	6.998E-01	3.712E-01
BI-212	1.548E+00	1.156E+00	9.919E-01
PB-212	1.276E+00	1.292E-01	9.970E-02
BI-214	1.937E+00	2.323E-01	1.187E-01
PB-214	2.057E+00	2.540E-01	1.350E-01
RN-222	1.937E+00	2.323E-01	1.187E-01
RA-224	5.392E+00	1.167E+00	1.069E+00
RA-226	2.057E+00	2.540E-01	1.350E-01
AC-228	9.013E-01	2.793E-01	2.680E-01
RA-228	9.013E-01	2.793E-01	2.680E-01
TH-228	1.276E+00	1.292E-01	9.970E-02
TH-229	-3.162E-03	5.470E-01	8.872E-01
TH-230	2.057E+00	2.540E-01	1.350E-01
PA-231	8.754E-01	8.306E-01	7.123E-01
TH-232	9.013E-01	2.793E-01	2.680E-01
TH-234	2.459E+00	1.555E+00	1.126E+00
U-234	2.057E+00	2.540E-01	1.350E-01
U-235	3.307E-01	3.816E-01	3.100E-01
U-238	2.459E+00	1.555E+00	1.126E+00
AM-243	3.285E-01	6.246E-02	5.776E-02
ANH-511	5.464E-02	8.604E-02	5.079E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	3.036E-01	3.780E-01	7.633E-01	NOT IDENT.
NA-22	-6.852E-03	3.559E-02	6.740E-02	NOT IDENT.
NA-24	0.000E+00	4.706E+12	0.000E+00	SHORT HLIF
AL-26	7.016E-03	2.871E-02	6.498E-02	NOT IDENT.

SC-46	4.148E-03	3.980E-02	7.951E-02	FAIL ABUN
V-48	1.298E-01	1.117E-01	2.534E-01	NOT IDENT.
CR-51	5.847E-02	4.657E-01	9.010E-01	NOT IDENT.
MN-52	2.763E-01	1.242E+00	2.568E+00	FAIL ABUN
MN-54	1.431E-02	3.413E-02	7.022E-02	NOT IDENT.
CO-56	-3.897E-03	4.428E-02	7.625E-02	FAIL ABUN
MN-56	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CO-57	-3.756E-03	2.321E-02	4.168E-02	NOT IDENT.
CO-58	-1.891E-02	5.217E-02	7.883E-02	NOT IDENT.
FE-59	-5.030E-02	9.994E-02	1.803E-01	NOT IDENT.
CO-60	1.612E-02	3.257E-02	7.017E-02	NOT IDENT.
ZN-65	2.618E-02	9.317E-02	1.663E-01	NOT IDENT.
GE-68	-2.008E-01	1.041E+00	2.000E+00	NOT IDENT.
AS-74	4.168E-02	1.724E-01	3.259E-01	NOT IDENT.
SE-75	-3.100E-03	4.444E-02	8.158E-02	NOT IDENT.
BR-77	0.000E+00	1.274E+03	0.000E+00	SHORT HLIF
SR-82	-3.423E-01	4.739E-01	7.792E-01	NOT IDENT.
RB-83	-4.126E-02	7.619E-02	1.344E-01	NOT IDENT.
RB-84	-8.159E-03	7.881E-02	1.545E-01	NOT IDENT.
KR-85	3.665E+00	7.601E+00	1.343E+01	NOT IDENT.
SR-85	2.227E-02	4.676E-02	8.256E-02	NOT IDENT.
RB-86	-3.523E-01	1.116E+00	2.092E+00	NOT IDENT.
Y-88	3.112E-03	3.373E-02	7.468E-02	NOT IDENT.
Y-91	-1.563E+01	1.887E+01	3.170E+01	NOT IDENT.
NB-94	8.397E-03	3.546E-02	6.648E-02	FAIL ABUN
NB-95	-1.012E-02	5.289E-02	8.311E-02	NOT IDENT.
NB-95M	6.124E-02	1.503E-01	2.491E-01	NOT IDENT.
ZR-95	-2.630E-02	9.125E-02	1.602E-01	NOT IDENT.
NB-97	0.000E+00	1.318E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	1.963E+12	0.000E+00	SHORT HLIF
MO-99	0.000E+00	4.560E+02	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	3.763E+33	0.000E+00	SHORT HLIF
RH-101	-4.336E-02	3.014E-02	4.838E-02	NOT IDENT.
RH-102	-2.046E-02	5.855E-02	1.036E-01	NOT IDENT.
RU-103	-6.511E-03	5.098E-02	9.427E-02	FAIL ABUN
RH-106	2.803E-01	3.114E-01	6.384E-01	NOT IDENT.
RU-106	2.803E-01	3.114E-01	6.384E-01	NOT IDENT.
AG-108M	-9.981E-03	2.666E-02	4.868E-02	NOT IDENT.
AG-110	5.302E-01	7.444E-01	1.491E+00	NOT IDENT.
AG-110M	2.762E-02	4.585E-02	9.718E-02	NOT IDENT.
SN-113	-1.557E-02	4.921E-02	8.610E-02	NOT IDENT.
CD-115	0.000E+00	1.698E+03	0.000E+00	SHORT HLIF
SN-117M	8.875E-03	1.127E-01	2.015E-01	NOT IDENT.
SB-122	0.000E+00	7.576E+01	0.000E+00	SHORT HLIF
TE-123M	4.946E-03	3.050E-02	5.483E-02	NOT IDENT.
SB-124	-2.910E-02	8.597E-02	1.594E-01	NOT IDENT.
SB-125	4.081E-02	8.616E-02	1.699E-01	FAIL ABUN
TE-125M	5.916E+00	9.823E+00	1.847E+01	NOT IDENT.
I-126	1.290E-01	4.837E-01	9.163E-01	NOT IDENT.
SB-126	2.378E-01	3.163E-01	5.924E-01	NOT IDENT.
SB-127	2.444E+00	1.835E+01	3.093E+01	NOT IDENT.
I-131	3.929E-01	3.766E-01	7.732E-01	NOT IDENT.
I-132	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
TE-132	-2.993E-01	1.541E+01	2.690E+01	NOT IDENT.
BA-133	1.936E-02	4.261E-02	7.642E-02	NOT IDENT.
I-133	0.000E+00	4.909E+08	0.000E+00	SHORT HLIF
CS-134	7.176E-02	4.180E-02	9.206E-02	NOT IDENT.
I-135	0.000E+00	1.846E+31	0.000E+00	SHORT HLIF
CS-136	5.879E-02	1.767E-01	3.686E-01	NOT IDENT.
BA-137M	-8.836E-03	3.617E-02	5.740E-02	NOT IDENT.
CS-137	-9.335E-03	3.821E-02	6.063E-02	NOT IDENT.
LA-138	8.744E-04	5.033E-02	1.000E-01	NOT IDENT.
CE-139	-9.235E-03	3.040E-02	5.300E-02	NOT IDENT.
BA-140	-9.099E-02	5.986E-01	1.096E+00	NOT IDENT.
LA-140	-2.225E-01	2.043E-01	3.016E-01	FAIL ABUN
CE-141	1.150E-02	8.692E-02	1.415E-01	NOT IDENT.
CE-143	0.000E+00	1.594E+05	0.000E+00	SHORT HLIF
CE-144	-8.440E-02	1.842E-01	3.227E-01	NOT IDENT.
PM-144	1.040E-02	3.175E-02	6.143E-02	NOT IDENT.
PR-144	8.039E-01	2.397E+00	4.641E+00	NOT IDENT.
PM-146	-2.778E-03	3.825E-02	7.187E-02	NOT IDENT.
ND-147	-1.038E+00	1.569E+00	2.363E+00	NOT IDENT.
PM-147	-4.457E+02	6.666E+02	1.160E+03	NOT IDENT.
PM-149	0.000E+00	6.931E+03	0.000E+00	SHORT HLIF
EU-150	1.394E-02	3.237E-02	4.756E-02	FAIL ABUN
EU-152	1.805E-02	9.172E-02	1.702E-01	FAIL ABUN
GD-153	2.198E-02	7.349E-02	1.227E-01	NOT IDENT.
EU-154	-2.327E-02	9.936E-02	1.869E-01	FAIL ABUN

EU-155	4.194E-02	8.380E-02	1.576E-01	FAIL ABUN
TB-160	-3.412E-02	1.341E-01	2.565E-01	FAIL ABUN
HO-166M	1.860E-03	5.796E-02	1.075E-01	NOT IDENT.
TM-171	5.807E+00	9.383E+00	8.971E+00	FAIL ABUN
HF-172	1.019E-01	1.721E-01	3.221E-01	FAIL ABUN
LU-172	-1.295E-02	5.554E-02	9.197E-02	FAIL ABUN
LU-176	-2.674E-03	2.466E-02	4.680E-02	FAIL ABUN
HF-181	2.561E-03	5.069E-02	9.621E-02	NOT IDENT.
TA-182	-6.449E-02	1.852E-01	2.912E-01	FAIL ABUN
RE-183	-5.844E-02	8.633E-02	1.571E-01	NOT IDENT.
RE-184	8.669E-02	1.761E-01	3.579E-01	NOT IDENT.
W-188	2.003E+00	7.636E+00	1.361E+01	FAIL ABUN
IR-192	-2.027E-02	3.443E-02	6.299E-02	FAIL ABUN
HG-203	-2.356E-02	4.444E-02	8.214E-02	NOT IDENT.
TL-204	2.307E+00	2.922E+00	5.203E+00	NOT IDENT.
BI-207	-6.365E-03	4.785E-02	9.143E-02	FAIL ABUN
BI-210	9.244E-01	5.269E-01	1.058E+00	NOT IDENT.
PB-210	9.244E-01	5.269E-01	1.058E+00	NOT IDENT.
PB-211	-2.839E-01	7.159E-01	1.251E+00	NOT IDENT.
BI-213	1.977E-02	9.729E-02	1.801E-01	NOT IDENT.
RN-219	1.559E-01	3.958E-01	7.710E-01	FAIL ABUN
RA-223	-7.455E-02	6.688E-01	1.133E+00	FAIL ABUN
AC-225	-7.973E-02	1.529E+00	2.671E+00	NOT IDENT.
AC-227	-7.597E-02	2.084E-01	3.937E-01	FAIL ABUN
TH-227	-7.597E-02	2.084E-01	3.937E-01	FAIL ABUN
TH-231	-7.455E-02	6.688E-01	1.133E+00	FAIL ABUN
PA-233	-4.402E-02	5.930E-02	1.071E-01	FAIL ABUN
PA-234	-1.900E-01	2.806E-01	5.002E-01	NOT IDENT.
PA-234M	1.003E+01	6.037E+00	1.012E+01	FAIL ABUN
NP-237	-4.402E-02	5.930E-02	1.071E-01	FAIL ABUN
NP-238	0.000E+00	1.942E+03	0.000E+00	SHORT HLIF
NP-239	-1.872E-01	2.346E-01	4.059E-01	NOT IDENT.
PU-239	4.325E+01	3.188E+02	5.657E+02	NOT IDENT.
AM-241	5.984E-02	6.609E-02	1.189E-01	NOT IDENT.
CM-243	-5.198E-02	8.429E-02	1.488E-01	NOT IDENT.
BK-247	-1.360E-02	7.738E-02	1.325E-01	FAIL ABUN
CM-247	1.604E-03	3.734E-02	7.054E-02	NOT IDENT.
CF-249	5.991E-03	3.899E-02	7.461E-02	NOT IDENT.
CF-251	5.926E-02	1.218E-01	2.233E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-DEC-2023 21:30:43.42

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	66	10.66*	7.028E-01	2.384E+00	2.384E+00	28.94
AS-73	53.44	58	10.30*	5.918E+00	2.574E-01	3.316E-01	164.87
CD-109	88.03	240	3.70*	5.636E+00	3.129E+00	3.270E+00	35.22
SN-126	64.28	199	9.60	5.955E+00	9.478E-01	9.478E-01	64.54
	86.94	240	8.90	5.636E+00	1.301E+00	1.301E+00	35.22
	87.57	240	37.00*	5.636E+00	3.129E-01	3.129E-01	35.22
TL-208	277.37	------	6.60	2.854E+00	------ Line Not Found		------
	583.19	125	85.00*	1.527E+00	2.629E-01	2.629E-01	32.52
	860.56	------	12.50	1.091E+00	------ Line Not Found		------
BI-211	72.87	------	1.23	5.872E+00	------ Line Not Found		------
	351.06	632	12.92*	2.350E+00	5.669E+00	5.669E+00	12.60
BI-212	727.33	48	6.67*	1.261E+00	1.548E+00	1.548E+00	76.17
	1620.50	------	1.47	6.468E-01	------ Line Not Found		------
PB-212	74.82	474	10.28	5.842E+00	2.147E+00	2.147E+00	19.40
	77.11	798	17.10	5.809E+00	2.186E+00	2.186E+00	11.64
	238.63	655	43.60*	3.205E+00	1.276E+00	1.276E+00	10.34
	300.09	46	3.30	2.677E+00	1.419E+00	1.419E+00	96.82
BI-214	609.32	476	45.49*	1.470E+00	1.937E+00	1.937E+00	12.24
	1120.29	100	14.92	8.733E-01	2.087E+00	2.087E+00	27.59
	1764.49	55	15.30	6.049E-01	1.615E+00	1.615E+00	34.78
PB-214	74.82	474	5.80	5.842E+00	3.806E+00	3.806E+00	19.40
	77.11	798	9.70	5.809E+00	3.854E+00	3.854E+00	11.64
	87.09	240	3.41	5.636E+00	3.395E+00	3.395E+00	35.22
	242.00	258	7.25	3.172E+00	3.049E+00	3.049E+00	22.09
	295.22	397	18.42	2.714E+00	2.163E+00	2.163E+00	17.93
	351.93	632	35.60*	2.350E+00	2.057E+00	2.057E+00	12.60
RN-222	609.32	476	45.49*	1.470E+00	1.937E+00	1.937E+00	12.24
	1120.29	100	14.92	8.733E-01	2.087E+00	2.087E+00	27.59
	1764.49	55	15.30	6.049E-01	1.615E+00	1.615E+00	34.78
RA-224	240.99	258	4.10*	3.172E+00	5.392E+00	5.392E+00	22.09
RA-226	74.82	474	5.80	5.842E+00	3.806E+00	3.806E+00	19.40
	77.11	798	9.70	5.809E+00	3.854E+00	3.854E+00	11.64
	87.09	240	3.41	5.636E+00	3.395E+00	3.395E+00	35.22
	242.00	258	7.25	3.172E+00	3.049E+00	3.049E+00	22.09
	295.22	397	18.42	2.714E+00	2.163E+00	2.163E+00	17.93
	351.93	632	35.60*	2.350E+00	2.057E+00	2.057E+00	12.60
AC-228	105.21	------	1.10	5.276E+00	------ Line Not Found		------
	338.32	169	11.27	2.428E+00	1.684E+00	1.684E+00	29.93
	835.71	------	1.61	1.119E+00	------ Line Not Found		------
	911.20	89	25.80*	1.039E+00	9.013E-01	9.013E-01	31.62
	968.97	65	15.80	9.866E-01	1.141E+00	1.141E+00	42.00
RA-228	105.21	------	1.10	5.276E+00	------ Line Not Found		------
	338.32	169	11.27	2.428E+00	1.684E+00	1.684E+00	29.93
	835.71	------	1.61	1.119E+00	------ Line Not Found		------
	911.20	89	25.80*	1.039E+00	9.013E-01	9.013E-01	31.62
	968.97	65	15.80	9.866E-01	1.141E+00	1.141E+00	42.00
TH-228	74.82	474	10.28	5.842E+00	2.147E+00	2.147E+00	19.40

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	77.11	798	17.10	5.809E+00	2.186E+00	2.186E+00	11.64
	238.63	655	43.60*	3.205E+00	1.276E+00	1.276E+00	10.34
	300.09	46	3.30	2.677E+00	1.419E+00	1.419E+00	96.82
TH-229	85.43	141	14.70	5.694E+00	4.571E-01	4.571E-01	62.38
	88.47	240	24.00	5.636E+00	4.824E-01	4.824E-01	35.22
	193.51	------	4.41*	3.735E+00	------ Line Not Found		------
	210.85	55	2.80	3.530E+00	1.503E+00	1.503E+00	105.40
TH-230	74.82	474	5.80	5.842E+00	3.806E+00	3.806E+00	19.40
	77.11	798	9.70	5.809E+00	3.854E+00	3.854E+00	11.64
	87.09	240	3.41	5.636E+00	3.395E+00	3.395E+00	35.22
	242.00	258	7.25	3.172E+00	3.049E+00	3.049E+00	22.09
	295.22	397	18.42	2.714E+00	2.163E+00	2.163E+00	17.93
	351.93	632	35.60*	2.350E+00	2.057E+00	2.057E+00	12.60
PA-231	283.69	------	1.70	2.803E+00	------ Line Not Found		------
	301.36	46	5.35*	2.677E+00	8.754E-01	8.754E-01	96.82
TH-232	105.21	------	1.10	5.276E+00	------ Line Not Found		------
	338.32	169	11.27	2.428E+00	1.684E+00	1.684E+00	29.93
	835.71	------	1.61	1.119E+00	------ Line Not Found		------
	911.20	89	25.80*	1.039E+00	9.013E-01	9.013E-01	31.62
	968.97	65	15.80	9.866E-01	1.141E+00	1.141E+00	42.00
TH-234	63.29	199	3.70*	5.955E+00	2.459E+00	2.459E+00	64.54
	92.59	294	4.23	5.526E+00	3.423E+00	3.423E+00	28.70
U-234	74.82	474	5.80	5.842E+00	3.806E+00	3.806E+00	19.40
	77.11	798	9.70	5.809E+00	3.854E+00	3.854E+00	11.64
	87.09	240	3.41	5.636E+00	3.395E+00	3.395E+00	35.22
	242.00	258	7.25	3.172E+00	3.049E+00	3.049E+00	22.09
	295.22	397	18.42	2.714E+00	2.163E+00	2.163E+00	17.93
	351.93	632	35.60*	2.350E+00	2.057E+00	2.057E+00	12.60
U-235	89.96	------	3.47	5.585E+00	------ Line Not Found		------
	93.35	294	5.60	5.526E+00	2.585E+00	2.585E+00	28.70
	143.76	60	10.96*	4.517E+00	3.307E-01	3.307E-01	117.76
	163.33	------	5.08	4.180E+00	------ Line Not Found		------
	185.72	277	57.20	3.837E+00	3.439E-01	3.439E-01	23.53
	205.31	------	5.01	3.582E+00	------ Line Not Found		------
U-238	63.29	199	3.70*	5.955E+00	2.459E+00	2.459E+00	64.54
	92.59	294	4.23	5.526E+00	3.423E+00	3.423E+00	28.70
AM-243	43.53	------	5.90	5.667E+00	------ Line Not Found		------
	74.66	474	67.20*	5.842E+00	3.285E-01	3.285E-01	19.40
ANH-511	511.00	34	100.00*	1.711E+00	5.464E-02	5.464E-02	160.67

Flag: "*" = Keyline

Sample ID : G645981003 Acquisition date : 12-DEC-2023 19:30:01

Total number of lines in spectrum 52
Number of unidentified lines 17
Number of lines tentatively identified by NID 35 67.31%

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	2.384E+00	2.384E+00	0.690E+00	28.94	
AS-73	80.30D	1.29	2.574E-01	3.316E-01	5.468E-01	164.87	
CD-109	461.40D	1.05	3.129E+00	3.270E+00	1.152E+00	35.22	
SN-126	2.30E+05Y	1.00	3.129E-01	3.129E-01	1.102E-01	35.22	
TL-208	1.41E+10Y	1.00	2.629E-01	2.629E-01	0.855E-01	32.52	
BI-211	7.04E+08Y	1.00	5.669E+00	5.669E+00	0.714E+00	12.60	
BI-212	1.41E+10Y	1.00	1.548E+00	1.548E+00	1.179E+00	76.17	
PB-212	1.41E+10Y	1.00	1.276E+00	1.276E+00	0.132E+00	10.34	
BI-214	1600.00Y	1.00	1.937E+00	1.937E+00	0.237E+00	12.24	
PB-214	1600.00Y	1.00	2.057E+00	2.057E+00	0.259E+00	12.60	
RN-222	1600.00Y	1.00	1.937E+00	1.937E+00	0.237E+00	12.24	
RA-224	1.41E+10Y	1.00	5.392E+00	5.392E+00	1.191E+00	22.09	
RA-226	1600.00Y	1.00	2.057E+00	2.057E+00	0.259E+00	12.60	
AC-228	1.41E+10Y	1.00	9.013E-01	9.013E-01	2.850E-01	31.62	
RA-228	1.41E+10Y	1.00	9.013E-01	9.013E-01	2.850E-01	31.62	
TH-228	1.41E+10Y	1.00	1.276E+00	1.276E+00	0.132E+00	10.34	
TH-229	7340.00Y	1.00	4.824E-01	4.824E-01	1.699E-01	35.22	K
TH-230	7.54E+04Y	1.00	2.057E+00	2.057E+00	0.259E+00	12.60	
PA-231	7.04E+08Y	1.00	8.754E-01	8.754E-01	8.476E-01	96.82	
TH-232	1.41E+10Y	1.00	9.013E-01	9.013E-01	2.850E-01	31.62	
TH-234	4.47E+09Y	1.00	2.459E+00	2.459E+00	1.587E+00	64.54	
U-234	2.45E+05Y	1.00	2.057E+00	2.057E+00	0.259E+00	12.60	
U-235	7.04E+08Y	1.00	3.307E-01	3.307E-01	3.894E-01	117.76	
U-238	4.47E+09Y	1.00	2.459E+00	2.459E+00	1.587E+00	64.54	
AM-243	7370.00Y	1.00	3.285E-01	3.285E-01	0.637E-01	19.40	
ANH-511	1.00E+09Y	1.00	5.464E-02	5.464E-02	8.780E-02	160.67	
			---------	---------			
	Total Activity :		4.330E+01	4.352E+01			
	Grand Total Activity :		4.330E+01	4.352E+01			

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

Sample ID : G645981003 Acquisition date : 12-DEC-2023 19:30:01

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
4	189.16	37	220	1.74	379.10	367	17	4.53E-03	****	3.79E+00	
0	270.57	85	173	2.59	542.11	536	12	1.07E-02	71.2	2.91E+00	T
0	328.59	35	142	0.71	658.28	654	11	4.49E-03	****	2.49E+00	T
0	396.55	26	65	1.57	794.35	790	9	3.39E-03	****	2.13E+00	
0	446.36	34	61	3.71	894.07	888	12	4.52E-03	99.2	1.92E+00	
0	463.86	69	68	1.20	929.11	923	13	9.17E-03	56.1	1.86E+00	T
0	528.08	21	50	0.58	1057.68	1051	13	2.85E-03	****	1.66E+00	T
0	655.34	70	67	8.23	1312.48	1298	27	9.46E-03	71.3	1.38E+00	
0	690.61	21	29	0.58	1383.08	1377	11	2.92E-03	****	1.32E+00	
0	769.25	26	35	0.95	1540.51	1535	8	3.55E-03	90.0	1.20E+00	
0	807.31	17	30	2.01	1616.71	1607	12	2.36E-03	****	1.15E+00	
0	852.16	31	26	2.71	1706.51	1697	18	4.25E-03	87.4	1.10E+00	
0	870.77	14	101	5.75	1743.77	1718	34	1.98E-03	****	1.08E+00	T
8	915.29	13	5	2.35	1832.88	1819	18	1.80E-03	****	1.04E+00	
0	935.13	15	49	0.73	1872.60	1863	14	2.08E-03	****	1.02E+00	T
4	964.70	26	19	1.94	1931.79	1928	19	3.69E-03	66.0	9.90E-01	T
0	993.52	14	10	3.90	1989.49	1982	14	1.94E-03	****	9.66E-01	
0	1000.12	30	13	2.27	2002.70	1996	13	4.18E-03	61.4	9.61E-01	T
0	1005.59	14	8	3.14	2013.66	2009	9	2.03E-03	90.2	9.56E-01	T
0	1089.28	20	3	1.43	2181.20	2174	14	2.87E-03	58.2	8.94E-01	
0	1153.75	9	14	1.29	2310.24	2307	8	1.25E-03	****	8.52E-01	
0	1216.92	12	7	1.70	2436.71	2433	9	1.67E-03	97.5	8.15E-01	
0	1238.36	69	19	1.80	2479.62	2472	15	9.86E-03	37.3	8.04E-01	T
0	1376.81	33	9	1.43	2756.76	2749	13	4.81E-03	50.3	7.37E-01	
0	1402.05	10	13	2.94	2807.30	2797	13	1.50E-03	****	7.26E-01	
0	1409.82	22	8	5.31	2822.84	2816	14	3.12E-03	73.2	7.23E-01	
0	1729.65	13	7	1.58	3463.01	3458	10	1.88E-03	93.2	6.14E-01	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 12-DEC-2023 21:30:54.93

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981003.CNF;1		
Acquisition date	: 12-DEC-2023 19:30:01	Sensitivity	: 3.000
Detector ID	: GAM31	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:07.09	Half life ratio	: *****
Sample date	: 13-NOV-2023 12:00:00	Nuclide Library	: SOLID
Sample ID	: G645981003	Analyst initials	: RXF2
Batch Number	: 2529194	Sample Quantity	: 1.3789E+02 GRAM
Wet wt corr	: 1.00000	Wet Weight	: 0.00000
		Dry Weight	: 0.00000

CALIBRATION INFORMATION

Eff. Cal. date	: 5-JUN-2023 07:16:39	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM31_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	2.301E-01
AS-73	2.301E-01
CD-109	5.991E-01
SN-126	5.148E-02
TL-208	3.152E-02
BI-211	1.732E-01
BI-212	4.516E-01
PB-212	4.713E-02
BI-214	5.373E-02
PB-214	6.301E-02
RN-222	5.373E-02
RA-224	5.055E-01
RA-226	6.301E-02
AC-228	1.201E-01
RA-228	1.201E-01
TH-228	4.713E-02
TH-229	4.205E-01
TH-230	6.301E-02
PA-231	3.296E-01
TH-232	1.201E-01
TH-234	5.453E-01
U-234	6.301E-02
U-235	1.473E-01
U-238	5.453E-01
AM-243	2.790E-02
ANH-511	2.320E-02

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	3.526E-01	NOT IDENT.
NA-22	2.889E-02	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF
AL-26	2.628E-02	NOT IDENT.
SC-46	3.528E-02	FAIL ABUN

V-48	1.131E-01	NOT IDENT.
CR-51	4.192E-01	NOT IDENT.
MN-52	1.087E+00	FAIL ABUN
MN-54	3.156E-02	NOT IDENT.
CO-56	3.374E-02	FAIL ABUN
MN-56	0.000E+00	SHORT HLIF
CO-57	1.986E-02	NOT IDENT.
CO-58	3.507E-02	NOT IDENT.
FE-59	7.847E-02	NOT IDENT.
CO-60	3.015E-02	NOT IDENT.
ZN-65	7.406E-02	NOT IDENT.
GE-68	8.622E-01	NOT IDENT.
AS-74	1.497E-01	NOT IDENT.
SE-75	3.821E-02	NOT IDENT.
BR-77	0.000E+00	SHORT HLIF
SR-82	3.433E-01	NOT IDENT.
RB-83	6.093E-02	NOT IDENT.
RB-84	6.784E-02	NOT IDENT.
KR-85	6.205E+00	NOT IDENT.
SR-85	3.814E-02	NOT IDENT.
RB-86	9.044E-01	NOT IDENT.
Y-88	2.970E-02	NOT IDENT.
Y-91	1.340E+01	NOT IDENT.
NB-94	3.036E-02	FAIL ABUN
NB-95	3.730E-02	NOT IDENT.
NB-95M	1.181E-01	NOT IDENT.
ZR-95	7.235E-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	2.300E-02	NOT IDENT.
RH-102	4.706E-02	NOT IDENT.
RU-103	4.318E-02	FAIL ABUN
RH-106	2.917E-01	NOT IDENT.
RU-106	2.917E-01	NOT IDENT.
AG-108M	2.223E-02	NOT IDENT.
AG-110	6.800E-01	NOT IDENT.
AG-110M	4.339E-02	NOT IDENT.
SN-113	3.983E-02	NOT IDENT.
CD-115	0.000E+00	SHORT HLIF
SN-117M	9.610E-02	NOT IDENT.
SB-122	0.000E+00	SHORT HLIF
TE-123M	2.615E-02	NOT IDENT.
SB-124	6.234E-02	NOT IDENT.
SB-125	7.847E-02	FAIL ABUN
TE-125M	8.846E+00	NOT IDENT.
I-126	4.179E-01	NOT IDENT.
SB-126	2.679E-01	NOT IDENT.
SB-127	1.396E+01	NOT IDENT.
I-131	3.611E-01	NOT IDENT.
I-132	0.000E+00	SHORT HLIF
TE-132	1.270E+01	NOT IDENT.
BA-133	3.558E-02	NOT IDENT.
I-133	0.000E+00	SHORT HLIF
CS-134	4.219E-02	NOT IDENT.
I-135	0.000E+00	SHORT HLIF
CS-136	1.607E-01	NOT IDENT.
BA-137M	2.565E-02	NOT IDENT.
CS-137	2.710E-02	NOT IDENT.
LA-138	4.209E-02	NOT IDENT.
CE-139	2.516E-02	NOT IDENT.
BA-140	5.019E-01	NOT IDENT.
LA-140	1.217E-01	FAIL ABUN
CE-141	6.744E-02	NOT IDENT.
CE-143	0.000E+00	SHORT HLIF
CE-144	1.535E-01	NOT IDENT.
PM-144	2.768E-02	NOT IDENT.
PR-144	2.092E+00	NOT IDENT.
PM-146	3.285E-02	NOT IDENT.
ND-147	1.071E+00	NOT IDENT.
PM-147	5.521E+02	NOT IDENT.
PM-149	0.000E+00	SHORT HLIF
EU-150	2.217E-02	FAIL ABUN
EU-152	7.912E-02	FAIL ABUN
GD-153	5.870E-02	NOT IDENT.
EU-154	7.990E-02	FAIL ABUN
EU-155	7.532E-02	FAIL ABUN

TB-160	1.129E-01	FAIL ABUN
HO-166M	4.837E-02	NOT IDENT.
TM-171	4.342E+00	FAIL ABUN
HF-172	1.539E-01	FAIL ABUN
LU-172	3.918E-02	FAIL ABUN
LU-176	2.187E-02	FAIL ABUN
HF-181	4.391E-02	NOT IDENT.
TA-182	1.255E-01	FAIL ABUN
RE-183	7.604E-02	NOT IDENT.
RE-184	1.624E-01	NOT IDENT.
W-188	6.345E+00	FAIL ABUN
IR-192	2.914E-02	FAIL ABUN
HG-203	3.854E-02	NOT IDENT.
TL-204	2.517E+00	NOT IDENT.
BI-207	4.026E-02	FAIL ABUN
BI-210	5.130E-01	NOT IDENT.
PB-210	5.130E-01	NOT IDENT.
PB-211	5.780E-01	NOT IDENT.
BI-213	8.259E-02	NOT IDENT.
RN-219	3.584E-01	FAIL ABUN
RA-223	5.291E-01	FAIL ABUN
AC-225	1.261E+00	NOT IDENT.
AC-227	1.837E-01	FAIL ABUN
TH-227	1.837E-01	FAIL ABUN
TH-231	5.291E-01	FAIL ABUN
PA-233	4.976E-02	FAIL ABUN
PA-234	2.194E-01	NOT IDENT.
PA-234M	4.598E+00	FAIL ABUN
NP-237	4.976E-02	FAIL ABUN
NP-238	0.000E+00	SHORT HLIF
NP-239	1.934E-01	NOT IDENT.
PU-239	2.701E+02	NOT IDENT.
AM-241	5.766E-02	NOT IDENT.
CM-243	7.093E-02	NOT IDENT.
BK-247	6.195E-02	FAIL ABUN
CM-247	3.278E-02	NOT IDENT.
CF-249	3.467E-02	NOT IDENT.
CF-251	1.061E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 12-DEC-2023 21:30:59.13

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981003.CNF;1    *
* Acquisition date : 12-DEC-2023 19:30:01 Sensitivity     : 3.000          *
* Detector ID      : GAM31                Energy tolerance: 1.500          *
* Elapsed live time:    0 02:00:00.00     Abundance limit : 75.000         *
* Elapsed real time:    0 02:00:07.09     Half life ratio : *****          *
* Sample date      : 13-NOV-2023 12:00:00 Nuclide Library : SOLID          *
* Sample ID        : G645981003           Analyst initials: RXF2           *
* Batch Number     : 2529194              Sample Quantity : 1.3789E+02 GRAM   *
*                                         Quantity Err(%) : 1.4504E-03 %      *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000        *
*                                         Dry Weight      :    0.00000        *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   :  5-JUN-2023 07:16:39 Eff. Geometry   : CAN           *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM31_CAN.CNF;17          *
*************************************************************************
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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	2.384E+00	7.084E-01	7.084E-01
AS-73	3.316E-01	5.406E-01	5.406E-01
CD-109	3.270E+00	1.180E+00	1.180E+00
SN-126	3.129E-01	1.117E-01	1.117E-01
TL-208	2.629E-01	8.838E-02	8.838E-02
BI-211	5.669E+00	8.625E-01	8.625E-01
BI-212	1.548E+00	1.167E+00	1.167E+00
PB-212	1.276E+00	1.627E-01	1.627E-01
BI-214	1.937E+00	3.114E-01	3.114E-01
PB-214	2.057E+00	3.113E-01	3.113E-01
RN-222	1.937E+00	3.114E-01	3.114E-01
RA-224	5.392E+00	1.240E+00	1.240E+00
RA-226	2.057E+00	3.113E-01	3.113E-01
AC-228	9.013E-01	2.903E-01	2.903E-01
RA-228	9.013E-01	2.903E-01	2.903E-01
TH-228	1.276E+00	1.627E-01	1.627E-01
TH-229	-3.162E-03	5.470E-01	5.470E-01
TH-230	2.057E+00	3.112E-01	3.112E-01
PA-231	8.754E-01	8.530E-01	8.530E-01
TH-232	9.013E-01	2.903E-01	2.903E-01
TH-234	2.459E+00	1.656E+00	1.656E+00
U-234	2.057E+00	3.112E-01	3.112E-01
U-235	3.307E-01	3.830E-01	3.830E-01
U-238	2.459E+00	1.656E+00	1.656E+00
AM-243	3.285E-01	6.927E-02	6.927E-02
ANH-511	5.464E-02	8.623E-02	8.623E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	3.036E-01	3.793E-01	4.032E-01	NOT IDENT.
NA-22	-6.852E-03	3.560E-02	3.573E-02	NOT IDENT.
NA-24	4.952E+12	4.729E+12	5.229E+12	SHORT HLIF
AL-26	7.016E-03	2.872E-02	2.889E-02	NOT IDENT.

SC-46	4.148E-03	3.980E-02	3.985E-02	FAIL ABUN
V-48	1.298E-01	1.122E-01	1.265E-01	NOT IDENT.
CR-51	5.847E-02	4.657E-01	4.664E-01	NOT IDENT.
MN-52	2.763E-01	1.242E+00	1.248E+00	FAIL ABUN
MN-54	1.431E-02	3.415E-02	3.476E-02	NOT IDENT.
CO-56	-3.897E-03	4.428E-02	4.432E-02	FAIL ABUN
MN-56	-1.000E+41	1.099E+42	0.000E+00	SHORT HLIF
CO-57	-3.756E-03	2.321E-02	2.328E-02	NOT IDENT.
CO-58	-1.891E-02	5.220E-02	5.289E-02	NOT IDENT.
FE-59	-5.030E-02	1.001E-01	1.026E-01	NOT IDENT.
CO-60	1.612E-02	3.260E-02	3.340E-02	NOT IDENT.
ZN-65	2.618E-02	9.320E-02	9.394E-02	NOT IDENT.
GE-68	-2.008E-01	1.041E+00	1.045E+00	NOT IDENT.
AS-74	4.168E-02	1.725E-01	1.735E-01	NOT IDENT.
SE-75	-3.100E-03	4.444E-02	4.446E-02	NOT IDENT.
BR-77	1.258E+04	1.077E+04	1.217E+04	SHORT HLIF
SR-82	-3.423E-01	4.751E-01	4.995E-01	NOT IDENT.
RB-83	-4.126E-02	7.651E-02	7.874E-02	NOT IDENT.
RB-84	-8.159E-03	7.881E-02	7.889E-02	NOT IDENT.
KR-85	3.665E+00	7.611E+00	7.788E+00	NOT IDENT.
SR-85	2.227E-02	4.681E-02	4.788E-02	NOT IDENT.
RB-86	-3.523E-01	1.116E+00	1.128E+00	NOT IDENT.
Y-88	3.112E-03	3.373E-02	3.376E-02	NOT IDENT.
Y-91	-1.563E+01	1.891E+01	2.018E+01	NOT IDENT.
NB-94	8.397E-03	3.547E-02	3.567E-02	FAIL ABUN
NB-95	-1.012E-02	5.290E-02	5.309E-02	NOT IDENT.
NB-95M	6.124E-02	1.504E-01	1.529E-01	NOT IDENT.
ZR-95	-2.630E-02	9.129E-02	9.206E-02	NOT IDENT.
NB-97	1.000E+41	1.322E+41	0.000E+00	SHORT HLIF
ZR-97	2.246E+12	1.977E+12	2.221E+12	SHORT HLIF
MO-99	-2.424E+02	4.568E+02	4.697E+02	SHORT HLIF
TC-99M	-4.624E+32	3.764E+33	0.000E+00	SHORT HLIF
RH-101	-4.336E-02	3.141E-02	3.700E-02	NOT IDENT.
RH-102	-2.046E-02	5.861E-02	5.933E-02	NOT IDENT.
RU-103	-6.511E-03	5.099E-02	5.107E-02	FAIL ABUN
RH-106	2.803E-01	3.131E-01	3.377E-01	NOT IDENT.
RU-106	2.803E-01	3.131E-01	3.377E-01	NOT IDENT.
AG-108M	-9.981E-03	2.668E-02	2.705E-02	NOT IDENT.
AG-110	5.302E-01	7.465E-01	7.838E-01	NOT IDENT.
AG-110M	2.762E-02	4.592E-02	4.757E-02	NOT IDENT.
SN-113	-1.557E-02	4.924E-02	4.973E-02	NOT IDENT.
CD-115	1.180E+03	1.704E+03	1.785E+03	SHORT HLIF
SN-117M	8.875E-03	1.127E-01	1.127E-01	NOT IDENT.
SB-122	1.090E+01	7.577E+01	7.593E+01	SHORT HLIF
TE-123M	4.946E-03	3.050E-02	3.058E-02	NOT IDENT.
SB-124	-2.910E-02	8.600E-02	8.700E-02	NOT IDENT.
SB-125	4.081E-02	8.626E-02	8.820E-02	FAIL ABUN
TE-125M	5.916E+00	9.842E+00	1.020E+01	NOT IDENT.
I-126	1.290E-01	4.839E-01	4.874E-01	NOT IDENT.
SB-126	2.378E-01	3.180E-01	3.355E-01	NOT IDENT.
SB-127	2.444E+00	1.835E+01	1.838E+01	NOT IDENT.
I-131	3.929E-01	3.784E-01	4.178E-01	NOT IDENT.
I-132	1.000E+41	2.745E+42	0.000E+00	SHORT HLIF
TE-132	-2.993E-01	1.541E+01	1.541E+01	NOT IDENT.
BA-133	1.936E-02	4.265E-02	4.353E-02	NOT IDENT.
I-133	4.408E+07	4.910E+08	4.914E+08	SHORT HLIF
CS-134	7.176E-02	4.236E-02	5.330E-02	NOT IDENT.
I-135	-5.126E+30	1.878E+31	0.000E+00	SHORT HLIF
CS-136	5.879E-02	1.769E-01	1.788E-01	NOT IDENT.
BA-137M	-8.836E-03	3.619E-02	3.640E-02	NOT IDENT.
CS-137	-9.335E-03	3.823E-02	3.846E-02	NOT IDENT.
LA-138	8.744E-04	5.033E-02	5.034E-02	NOT IDENT.
CE-139	-9.235E-03	3.046E-02	3.074E-02	NOT IDENT.
BA-140	-9.099E-02	5.987E-01	6.001E-01	NOT IDENT.
LA-140	-2.225E-01	2.051E-01	2.283E-01	FAIL ABUN
CE-141	1.150E-02	8.692E-02	8.708E-02	NOT IDENT.
CE-143	2.077E+05	1.602E+05	1.855E+05	SHORT HLIF
CE-144	-8.440E-02	1.844E-01	1.883E-01	NOT IDENT.
PM-144	1.040E-02	3.177E-02	3.211E-02	NOT IDENT.
PR-144	8.039E-01	2.398E+00	2.425E+00	NOT IDENT.
PM-146	-2.778E-03	3.825E-02	3.827E-02	NOT IDENT.
ND-147	-1.038E+00	1.573E+00	1.641E+00	NOT IDENT.
PM-147	-4.457E+02	6.684E+02	6.979E+02	NOT IDENT.
PM-149	3.474E+03	6.950E+03	7.124E+03	SHORT HLIF
EU-150	1.394E-02	3.239E-02	3.299E-02	FAIL ABUN
EU-152	1.805E-02	9.173E-02	9.209E-02	FAIL ABUN
GD-153	2.198E-02	7.352E-02	7.419E-02	NOT IDENT.
EU-154	-2.327E-02	9.937E-02	9.993E-02	FAIL ABUN

EU-155	4.194E-02	8.393E-02	8.604E-02	FAIL ABUN
TB-160	-3.412E-02	1.341E-01	1.350E-01	FAIL ABUN
HO-166M	1.860E-03	5.796E-02	5.797E-02	NOT IDENT.
TM-171	5.807E+00	9.404E+00	9.762E+00	FAIL ABUN
HF-172	1.019E-01	1.732E-01	1.792E-01	FAIL ABUN
LU-172	-1.295E-02	5.557E-02	5.587E-02	FAIL ABUN
LU-176	-2.674E-03	2.467E-02	2.470E-02	FAIL ABUN
HF-181	2.561E-03	5.069E-02	5.070E-02	NOT IDENT.
TA-182	-6.449E-02	1.853E-01	1.875E-01	FAIL ABUN
RE-183	-5.844E-02	8.662E-02	9.054E-02	NOT IDENT.
RE-184	8.669E-02	1.764E-01	1.806E-01	NOT IDENT.
W-188	2.003E+00	7.640E+00	7.693E+00	FAIL ABUN
IR-192	-2.027E-02	3.447E-02	3.566E-02	FAIL ABUN
HG-203	-2.356E-02	4.447E-02	4.572E-02	NOT IDENT.
TL-204	2.307E+00	2.933E+00	3.112E+00	NOT IDENT.
BI-207	-6.365E-03	4.785E-02	4.794E-02	FAIL ABUN
BI-210	9.244E-01	5.365E-01	6.793E-01	NOT IDENT.
PB-210	9.244E-01	5.365E-01	6.793E-01	NOT IDENT.
PB-211	-2.839E-01	7.165E-01	7.279E-01	NOT IDENT.
BI-213	1.977E-02	9.731E-02	9.772E-02	NOT IDENT.
RN-219	1.559E-01	3.965E-01	4.027E-01	FAIL ABUN
RA-223	-7.455E-02	6.688E-01	6.697E-01	FAIL ABUN
AC-225	-7.973E-02	1.529E+00	1.530E+00	NOT IDENT.
AC-227	-7.597E-02	2.087E-01	2.115E-01	FAIL ABUN
TH-227	-7.597E-02	2.087E-01	2.115E-01	FAIL ABUN
TH-231	-7.455E-02	6.688E-01	6.697E-01	FAIL ABUN
PA-233	-4.402E-02	5.941E-02	6.263E-02	FAIL ABUN
PA-234	-1.900E-01	3.552E-01	3.654E-01	NOT IDENT.
PA-234M	1.003E+01	6.096E+00	7.591E+00	FAIL ABUN
NP-237	-4.402E-02	5.941E-02	6.263E-02	FAIL ABUN
NP-238	1.646E+03	1.946E+03	2.083E+03	SHORT HLIF
NP-239	-1.872E-01	2.358E-01	2.504E-01	NOT IDENT.
PU-239	4.325E+01	3.188E+02	3.194E+02	NOT IDENT.
AM-241	5.984E-02	6.634E-02	7.161E-02	NOT IDENT.
CM-243	-5.198E-02	8.453E-02	8.772E-02	NOT IDENT.
BK-247	-1.360E-02	7.743E-02	7.767E-02	FAIL ABUN
CM-247	1.604E-03	3.734E-02	3.734E-02	NOT IDENT.
CF-249	5.991E-03	3.900E-02	3.909E-02	NOT IDENT.
CF-251	5.926E-02	1.220E-01	1.249E-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	131.0287	85.43	192.0219	131.20	153.4375
45.60	222.8448	86.55	253.8636	133.02	153.8489
46.54	259.7777	86.79	253.9828	133.52	140.6697
49.72	251.8266	86.94	254.0566	136.00	121.1664
51.35	285.6955	87.09	255.4986	136.47	130.1468
51.87	293.6664	87.57	255.7363	140.51	0.0000
52.39	271.3647	88.03	316.1916	143.76	120.2525
52.97	258.8347	88.34	316.3819	144.24	120.3326
53.44	259.1628	88.47	298.6523	145.44	126.1624
54.07	273.8639	89.96	257.6027	152.43	138.7299
57.36	0.0000	1093.63	257.9365	153.25	129.7755
57.53	304.1806	91.11	274.0015	323.87	133.3585
57.98	328.5454	92.59	234.0332	156.02	157.6695
59.27	295.8873	93.35	234.3660	158.56	139.8488
59.32	295.9236	94.56	234.8919	159.00	135.3410
59.54	286.7645	94.65	234.9316	162.33	133.6152
60.96	317.4597	94.67	234.9402	162.66	129.0625
61.17	321.4984	94.87	235.0264	163.33	134.9385
62.93	317.0455	97.43	143.4869	165.86	127.2697
63.29	317.3216	98.43	154.9104	176.31	113.6734
63.58	317.5430	98.44	154.9127	176.60	110.1964
64.28	318.0752	99.53	170.9465	177.52	105.6226
66.73	299.6354	100.11	162.7245	181.07	0.0000
67.24	279.0295	102.03	144.3156	181.52	111.6265
125.81	295.0493	103.18	159.3822	184.41	105.2991
67.75	295.0951	103.37	159.4352	143.76	105.4594
68.89	305.7310	105.21	136.6403	193.51	109.9856
69.67	305.2846	105.31	136.6629	197.03	108.0162
70.82	254.8969	106.12	143.2181	198.01	134.5671
70.83	254.9028	106.47	157.1032	201.83	130.3050
72.81	285.2079	109.28	148.2506	203.43	120.8618
72.87	285.2451	111.00	170.0681	205.31	117.8780
74.66	265.7159	111.76	159.5721	210.85	100.7071
74.82	265.8072	114.06	161.2484	215.65	99.1736
74.97	265.8925	116.30	134.8600	218.12	96.9720
77.11	267.1101	116.74	161.9465	222.11	78.8809
78.74	264.6686	119.76	131.2627	227.09	87.9483
79.69	262.4984	121.12	153.2850	227.38	87.9732
80.03	242.4738	121.22	153.3098	228.16	95.4816
80.12	242.5214	121.78	150.1784	228.18	95.4839
80.19	242.5562	122.06	141.5339	116.74	95.4839
80.57	222.5177	122.92	140.6322	235.69	96.6088
81.00	242.9608	123.07	140.6646	235.96	96.6336
81.07	242.9956	265.00	137.5222	238.63	100.2246
81.75	243.3325	125.81	131.4001	238.98	0.0000
82.47	247.7511	127.23	171.1862	240.99	100.4517
83.79	238.9063	127.91	140.6055	242.00	100.5493
84.00	239.0065	129.30	140.8965	244.70	100.8069

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.40	76.1517	344.28	54.7473	563.25	27.0717
252.80	77.8730	345.93	64.8638	564.24	0.0000
254.15	0.0000	351.06	65.1064	569.33	32.3762
256.23	73.0244	351.93	65.1469	946.00	32.3787
260.90	0.0000	355.39	0.0000	569.70	30.2933
264.66	74.9515	356.01	51.0737	583.19	39.9591
264.80	74.9604	364.49	45.3643	584.27	39.9807
265.00	74.4612	366.42	0.0000	595.83	38.0889
269.46	74.7568	372.51	48.4125	427.87	36.0558
270.03	74.7939	375.05	58.7562	602.52	0.0000
271.23	74.8718	377.52	56.0535	604.72	30.2824
273.65	80.2057	356.01	46.9126	607.14	23.9346
276.40	75.2099	388.16	54.5768	609.32	30.8809
277.37	83.0605	388.63	49.8881	610.33	30.8963
277.60	80.4800	391.69	57.7236	614.28	32.0215
278.00	76.1800	264.66	61.1984	618.01	29.9380
279.20	90.1240	401.81	50.3248	620.36	32.1118
279.54	84.0817	402.40	56.9934	621.93	23.5666
279.70	78.8918	404.85	54.2296	630.19	0.0000
280.46	72.8711	410.95	58.2647	631.29	38.7305
283.69	73.0710	413.71	43.0582	633.25	33.3815
284.31	68.7585	414.70	40.2133	634.78	33.4042
285.41	71.4364	423.72	46.2207	635.95	37.7344
285.90	0.0000	427.09	60.7928	636.99	38.8315
287.50	69.8161	427.87	40.5482	657.50	25.0393
290.67	57.7513	433.94	43.6075	657.76	25.0421
293.27	0.0000	439.40	42.7817	657.90	0.0000
351.93	61.9227	440.45	37.3609	661.66	27.8128
295.96	61.9600	453.88	39.2334	664.57	0.0000
879.38	31.7073	463.37	31.5632	666.33	31.6952
299.98	51.5826	468.07	45.9910	666.50	33.8835
300.09	51.5874	473.00	40.6672	667.71	0.0000
300.13	51.5886	475.06	36.7426	677.62	17.5736
301.36	51.6410	476.78	41.7496	685.70	26.4531
302.85	54.3543	477.60	34.8070	692.65	0.0000
256.23	63.7192	482.18	35.8953	695.00	34.8582
304.85	61.0811	487.02	46.9924	696.49	23.2533
306.78	70.0427	492.35	0.0000	696.51	23.2533
308.46	66.5848	497.08	42.2299	697.00	23.2584
311.90	73.8898	505.52	25.7589	697.30	23.2618
316.51	63.4366	507.63	0.0000	697.49	25.4791
319.41	55.5202	511.00	37.4874	702.65	33.3057
320.08	57.3411	514.00	39.5776	706.68	33.3630
321.04	58.2807	514.00	39.5776	711.68	26.7461
323.87	68.7414	520.40	40.7324	720.70	18.4571
325.23	68.8130	520.69	0.0000	721.93	0.0000
328.76	65.8414	522.65	0.0000	722.78	28.5495
333.37	63.3563	527.90	0.0000	722.91	28.5505
333.97	51.6133	528.26	29.6549	723.31	25.1962
334.37	48.9122	529.59	27.6295	724.19	35.2875
338.28	63.5899	529.87	0.0000	727.33	34.7716
338.32	63.5913	531.02	44.5479	733.00	32.3789
311.90	60.0542	537.26	42.1244	735.93	28.1403
340.48	60.0542	546.56	0.0000	333.97	25.9059
340.55	60.0569	552.55	38.3158	739.50	0.0000

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
744.23	21.4593	949.00	18.2562	1384.29	9.2895
747.24	22.6156	667.71	0.0000	1408.01	16.6094
748.06	28.2796	962.31	22.0034	1434.09	8.3564
752.31	33.9929	964.08	20.5488	1435.80	9.4043
753.82	22.6758	966.17	17.4414	1457.56	0.0000
756.73	34.0527	911.20	17.4576	1460.82	7.3576
756.80	34.0540	983.53	10.1547	1489.16	13.7538
884.68	29.0278	984.45	0.0000	1505.03	21.2354
765.81	29.0496	1274.44	3.7078	1584.12	14.0474
766.42	27.3467	1001.03	11.1401	1596.21	16.2506
766.84	22.2231	1002.74	11.1460	1620.50	7.6234
772.60	0.0000	1004.73	11.1533	1621.92	6.5361
776.52	28.5990	507.63	0.0000	1678.03	0.0000
739.50	0.0000	1025.87	0.0000	1690.97	6.6310
778.90	33.2067	1028.54	0.0000	1750.46	0.0000
783.70	43.5927	1037.84	15.0254	1764.49	8.9731
788.74	36.7813	1038.76	0.0000	1063.66	11.2292
792.07	32.2246	631.29	18.8330	1771.35	8.9854
795.86	14.9831	1048.07	12.2470	1791.20	0.0000
810.06	15.6434	1049.04	11.3079	1808.65	4.5256
810.29	15.6451	1050.41	14.1412	1810.72	0.0000
344.28	20.8616	1063.66	19.8772	1836.06	4.5496
810.76	27.8184	1077.00	17.1057		
815.77	16.2581	1077.34	15.2070		
1048.07	24.4120	1085.87	16.7696		
832.01	18.4006	1093.63	13.7522		
834.85	21.0513	1099.45	21.0466		
835.71	34.2202	1112.07	18.2439		
836.80	0.0000	1112.84	17.2881		
846.75	0.0000	1115.54	18.4547		
846.77	21.1436	1120.29	18.2880		
856.80	7.0735	1120.55	18.2891		
860.56	19.2253	1221.41	18.2926		
871.09	19.2982	1129.67	10.6160		
873.19	28.4600	1131.51	0.0000		
875.33	0.0000	1147.95	0.0000		
879.38	21.3918	1173.23	13.6787		
880.51	26.7508	1177.95	9.7833		
881.60	18.7326	1189.05	13.7394		
883.24	20.5286	1204.77	18.7263		
884.68	16.0741	1221.41	17.4249		
889.28	19.6777	1231.02	18.5288		
894.76	19.7153	1235.36	19.0805		
898.04	26.0175	1238.28	17.9022		
900.72	28.7363	1260.41	0.0000		
903.28	25.1665	1271.87	15.0513		
911.20	25.2349	1274.44	14.0573		
912.08	25.2426	1274.54	14.0573		
923.98	0.0000	1291.59	18.1538		
926.50	27.9549	1298.22	0.0000		
929.11	23.2133	1312.11	12.1663		
935.54	14.5396	1332.49	8.1523		
937.49	27.6428	1362.66	0.0000		
944.13	24.6055	1365.19	13.3555		
946.00	25.5331	1368.63	0.0000		

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 07:02:53.76

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981004.CNF;1
Background file  : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM06.CNF;917
                                    Background date  : 10-DEC-2023 10:44:45
Sample date      : 13-NOV-2023 12:00:00 Acquisition date : 13-DEC-2023 05:01:46
Sample ID        : G645981004           Sample quantity  : 1.36590E+02 GRAM
Detector name    : GAM06                Detector geometry: CAN
Elapsed live time: 0 02:00:00.00        Elapsed real time: 0 02:00:01.21  0.0%
Energy tolerance : 1.50000 keV          Analyst Initials : RXF2
Abundance limit  : 75.00000             Sensitivity      : 3.00000
Batch ID         : 2529194              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	63.02*	121	301	1.06	124.90	121	9	1.68E-02	28.2	
2	4	74.74	253	270	1.03	148.34	143	14	3.52E-02	11.9	9.87E-01
3	4	77.05*	406	261	1.00	152.97	143	14	5.64E-02	8.2	
4	4	84.03	103	260	1.31	166.93	163	30	1.44E-02	28.0	2.25E+00
5	4	87.24*	144	216	1.11	173.34	163	30	2.00E-02	19.1	
6	4	89.95	120	235	1.33	178.78	163	30	1.66E-02	24.5	
7	4	92.61*	208	221	1.34	184.08	163	30	2.89E-02	16.0	
8	4	95.07	35	156	0.92	189.00	163	30	4.90E-03	65.7	
9	0	105.60	56	200	1.59	210.06	206	8	7.80E-03	45.8	
10	0	109.07	84	141	1.90	217.01	214	7	1.17E-02	25.8	
11	0	120.10	52	175	1.34	239.08	236	8	7.25E-03	46.3	
12	0	143.82*	55	184	1.31	286.53	283	7	7.64E-03	44.3	
13	0	185.81*	172	393	1.33	370.51	365	14	2.39E-02	26.0	
14	0	209.31	89	152	1.15	417.53	414	8	1.24E-02	26.3	
15	0	221.12	30	121	0.91	441.16	438	7	4.12E-03	65.0	
16	7	238.76*	590	126	1.04	476.44	471	17	8.19E-02	5.2	1.29E+00
17	7	241.87	224	163	1.45	482.65	471	17	3.11E-02	13.1	
18	0	270.25	97	148	3.23	539.44	532	13	1.35E-02	27.9	
19	2	295.30	460	80	1.22	589.55	583	24	6.39E-02	5.7	8.29E-01
20	2	300.29	38	114	1.53	599.53	583	24	5.26E-03	52.7	
21	0	328.02	73	158	3.18	655.01	649	15	1.01E-02	39.5	
22	0	338.39*	107	99	0.83	675.76	672	8	1.49E-02	19.1	
23	0	351.99*	737	118	1.29	702.97	698	11	1.02E-01	4.7	
24	0	406.63	152	189	13.25	812.29	797	33	2.10E-02	28.8	
25	0	464.00	24	55	0.98	927.08	924	7	3.38E-03	55.6	
26	0	511.37*	9	131	1.31	1021.85	1015	15	1.25E-03	22.1	
27	0	583.23*	242	39	1.33	1165.66	1158	16	3.37E-02	8.9	
28	0	609.50*	546	46	1.52	1218.21	1213	12	7.58E-02	5.0	
29	0	633.34	29	13	0.94	1265.93	1262	9	4.06E-03	29.1	
30	0	727.83	34	54	0.97	1455.03	1448	12	4.69E-03	46.8	
31	0	768.85	51	43	1.39	1537.11	1532	10	7.14E-03	27.5	
32	0	825.29	18	19	1.33	1650.08	1645	11	2.52E-03	52.3	
33	0	911.74*	121	48	1.73	1823.11	1817	13	1.69E-02	15.2	
34	1	934.25	35	24	2.06	1868.18	1861	29	4.91E-03	32.1	2.32E+00

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
35	1	943.47	16	16	2.07	1886.62	1861	29	2.19E-03	43.9	
36	1	964.68	28	30	2.08	1929.08	1923	23	3.86E-03	43.5	5.11E+00
37	1	969.32*	80	24	2.09	1938.38	1923	23	1.11E-02	17.8	
38	0	1001.00	31	7	0.72	2001.79	1997	10	4.27E-03	24.5	
39	0	1120.34	138	12	1.70	2240.70	2232	16	1.91E-02	10.2	
40	0	1145.95	14	19	3.06	2291.98	2283	13	1.96E-03	73.2	
41	0	1155.70	23	21	0.98	2311.49	2307	9	3.18E-03	42.5	
42	0	1238.14	61	9	0.92	2476.53	2468	18	8.47E-03	17.2	
43	1	1280.82	25	13	2.11	2562.00	2558	15	3.50E-03	29.0	1.26E+00
44	1	1283.82	19	7	2.11	2568.00	2558	15	2.68E-03	34.2	
45	0	1354.40	8	7	0.89	2709.33	2704	9	1.14E-03	72.4	
46	0	1378.05*	29	17	2.20	2756.69	2747	14	4.09E-03	36.3	
47	0	1461.20*	114	15	1.86	2923.18	2916	12	1.58E-02	12.1	
48	0	1477.03	10	5	1.30	2954.89	2950	9	1.32E-03	51.7	
49	0	1484.54	6	12	3.67	2969.92	2960	12	8.10E-04	126.0	
50	0	1507.25	11	6	0.67	3015.40	3008	11	1.46E-03	53.1	
51	0	1511.82	9	5	1.93	3024.57	3018	9	1.27E-03	53.7	
52	0	1539.38	9	9	2.87	3079.77	3073	12	1.24E-03	75.0	
53	0	1730.37	21	7	2.95	3462.29	3453	14	2.92E-03	34.5	
54	0	1764.98*	108	7	3.18	3531.61	3523	22	1.51E-02	11.5	
55	0	1848.64	16	7	1.58	3699.19	3691	13	2.15E-03	42.4	
56	0	1916.48	10	0	0.50	3835.10	3828	12	1.39E-03	31.6	
57	0	2029.20	13	0	0.58	4060.92	4055	12	1.81E-03	27.7	
58	0	2035.84	8	3	1.32	4074.22	4068	10	1.04E-03	53.7	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 13-DEC-2023 07:02:55

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981004.CNF;1		
Analyses by	: PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4		
Sample title	: RXF2		
Sample date	: 13-NOV-2023 12:00:00	Acquisition date	: 13-DEC-2023 05:01:46
Sample ID	: G645981004	Sample quantity	: 136.59 GRAM
Sample type	: SOLID	Sample geometry	:
Detector name	: GAMMA6	Detector geometry	: CAN
Elapsed live time	: 0 02:00:00.00	Elapsed real time	: 0 02:00:01.21 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	109	10.66*	9.860E-01	2.848E+00	2.848E+00	24.12
CD-109	88.03	170	3.70*	5.254E+00	2.410E+00	2.520E+00	38.20
TE-125M	109.28	99	0.27*	6.121E+00	1.638E+01	2.346E+01	51.67
SN-126	64.28	147	9.60	2.603E+00	1.611E+00	1.611E+00	56.36
	86.94	170	8.90	5.254E+00	1.002E+00	1.002E+00	38.20
	87.57	170	37.00*	5.254E+00	2.410E-01	2.410E-01	38.20
PM-147	121.22	60	0.00*	6.197E+00	9.404E+02	9.609E+02	92.56
EU-155	86.55	170	30.70	5.254E+00	2.905E-01	2.940E-01	38.20
	105.31	66	21.10*	6.057E+00	1.411E-01	1.428E-01	91.52
TL-208	277.37	------	6.60	3.940E+00	------ Line Not Found		------
	583.19	250	85.00*	2.228E+00	3.626E-01	3.626E-01	17.74
	860.56	------	12.50	1.593E+00	------ Line Not Found		------
BI-211	72.87	------	1.23	3.892E+00	------ Line Not Found		------
	351.06	789	12.92*	3.293E+00	5.098E+00	5.098E+00	9.42
BI-212	727.33	34	6.67*	1.849E+00	7.620E-01	7.620E-01	93.63
	1620.50	------	1.47	9.117E-01	------ Line Not Found		------
PB-212	74.82	303	10.28	4.109E+00	1.974E+00	1.974E+00	23.79
	77.11	485	17.10	4.362E+00	1.788E+00	1.788E+00	16.42
	238.63	650	43.60*	4.404E+00	9.309E-01	9.309E-01	10.45
	300.09	41	3.30	3.712E+00	9.210E-01	9.210E-01	105.38
BI-214	609.32	561	45.49*	2.149E+00	1.577E+00	1.577E+00	10.05
	1120.29	135	14.92	1.247E+00	1.989E+00	1.989E+00	20.43
	1764.49	102	15.30	8.633E-01	2.123E+00	2.123E+00	22.94
PB-214	74.82	303	5.80	4.109E+00	3.498E+00	3.499E+00	23.79
	77.11	485	9.70	4.362E+00	3.151E+00	3.151E+00	16.42
	87.09	170	3.41	5.254E+00	2.615E+00	2.615E+00	38.20
	242.00	247	7.25	4.362E+00	2.142E+00	2.142E+00	26.26
	295.22	499	18.42	3.759E+00	1.981E+00	1.981E+00	11.37
	351.93	789	35.60*	3.293E+00	1.850E+00	1.850E+00	9.42
RN-222	609.32	561	45.49*	2.149E+00	1.577E+00	1.577E+00	10.05
	1120.29	135	14.92	1.247E+00	1.989E+00	1.989E+00	20.43
	1764.49	102	15.30	8.633E-01	2.123E+00	2.123E+00	22.94
RA-224	240.99	247	4.10*	4.362E+00	3.788E+00	3.788E+00	26.26
RA-226	74.82	303	5.80	4.109E+00	3.498E+00	3.499E+00	23.79
	77.11	485	9.70	4.362E+00	3.151E+00	3.151E+00	16.42
	87.09	170	3.41	5.254E+00	2.615E+00	2.615E+00	38.20
	242.00	247	7.25	4.362E+00	2.142E+00	2.142E+00	26.26
	295.22	499	18.42	3.759E+00	1.981E+00	1.981E+00	11.37
	351.93	789	35.60*	3.293E+00	1.850E+00	1.850E+00	9.42
AC-228	105.21	66	1.10	6.057E+00	2.707E+00	2.707E+00	91.52
	338.32	115	11.27	3.393E+00	8.291E-01	8.291E-01	38.19
	835.71	------	1.61	1.636E+00	------ Line Not Found		------
	911.20	121	25.80*	1.511E+00	8.515E-01	8.515E-01	30.48
	968.97	79	15.80	1.428E+00	9.640E-01	9.640E-01	35.59
RA-228	105.21	66	1.10	6.057E+00	2.707E+00	2.707E+00	91.52
	338.32	115	11.27	3.393E+00	8.291E-01	8.291E-01	38.19
	835.71	------	1.61	1.636E+00	------ Line Not Found		------
	911.20	121	25.80*	1.511E+00	8.515E-01	8.515E-01	30.48
	968.97	79	15.80	1.428E+00	9.640E-01	9.640E-01	35.59

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
TH-228	74.82	303	10.28	4.109E+00	1.974E+00	1.974E+00	23.79
	77.11	485	17.10	4.362E+00	1.788E+00	1.788E+00	16.42
	238.63	650	43.60*	4.404E+00	9.309E-01	9.309E-01	10.45
	300.09	41	3.30	3.712E+00	9.210E-01	9.210E-01	105.38
TH-229	85.43	123	14.70	5.012E+00	4.578E-01	4.578E-01	56.04
	88.47	170	24.00	5.254E+00	3.716E-01	3.716E-01	38.20
	193.51	------	4.41*	5.103E+00	------ Line Not Found		------
	210.85	------	2.80	4.814E+00	------ Line Not Found		------
TH-230	74.82	303	5.80	4.109E+00	3.498E+00	3.498E+00	23.79
	77.11	485	9.70	4.362E+00	3.151E+00	3.151E+00	16.42
	87.09	170	3.41	5.254E+00	2.615E+00	2.615E+00	38.20
	242.00	247	7.25	4.362E+00	2.142E+00	2.142E+00	26.26
	295.22	499	18.42	3.759E+00	1.981E+00	1.981E+00	11.37
	351.93	789	35.60*	3.293E+00	1.850E+00	1.850E+00	9.42
PA-231	283.69	------	1.70	3.874E+00	------ Line Not Found		------
	301.36	41	5.35*	3.712E+00	5.681E-01	5.681E-01	105.38
TH-232	105.21	66	1.10	6.057E+00	2.707E+00	2.707E+00	91.52
	338.32	115	11.27	3.393E+00	8.291E-01	8.291E-01	38.19
	835.71	------	1.61	1.636E+00	------ Line Not Found		------
	911.20	121	25.80*	1.511E+00	8.515E-01	8.515E-01	30.48
	968.97	79	15.80	1.428E+00	9.640E-01	9.640E-01	35.59
TH-234	63.29	147	3.70*	2.603E+00	4.180E+00	4.180E+00	56.36
	92.59	245	4.23	5.585E+00	2.853E+00	2.853E+00	31.94
U-234	74.82	303	5.80	4.109E+00	3.498E+00	3.498E+00	23.79
	77.11	485	9.70	4.362E+00	3.151E+00	3.151E+00	16.42
	87.09	170	3.41	5.254E+00	2.615E+00	2.615E+00	38.20
	242.00	247	7.25	4.362E+00	2.142E+00	2.142E+00	26.26
	295.22	499	18.42	3.759E+00	1.981E+00	1.981E+00	11.37
	351.93	789	35.60*	3.293E+00	1.850E+00	1.850E+00	9.42
U-235	89.96	141	3.47	5.433E+00	2.061E+00	2.061E+00	48.95
	93.35	245	5.60	5.585E+00	2.155E+00	2.155E+00	31.94
	143.76	63	10.96*	5.982E+00	2.637E-01	2.637E-01	88.60
	163.33	------	5.08	5.649E+00	------ Line Not Found		------
	185.72	194	57.20	5.239E+00	1.775E-01	1.775E-01	51.98
	205.31	------	5.01	4.904E+00	------ Line Not Found		------
U-238	63.29	147	3.70*	2.603E+00	4.180E+00	4.180E+00	56.36
	92.59	245	4.23	5.585E+00	2.853E+00	2.853E+00	31.94
AM-243	43.53	------	5.90	3.651E-01	------ Line Not Found		------
	74.66	303	67.20*	4.109E+00	3.019E-01	3.020E-01	23.79
ANH-511	511.00	9	100.00*	2.474E+00	1.040E-02	1.040E-02	644.22

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 07:02:56.68

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981004.CNF;1		
Acquisition date	: 13-DEC-2023 05:01:46	Sensitivity	: 3.000
Detector ID	: GAM06	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:01.21	Half life ratio	: *****
Sample date	: 13-NOV-2023 12:00:00	Analyst initials	: RXF2
Sample ID	: G645981004	Sample Quantity	: 1.3659E+02 GRAM
Batch Number	: 2529194	Wet Weight	: 0.00000
Wet wt corr	: 1.00000	Dry Weight	: 0.00000
Nuclide Library	: SOLID.NLB;17		

CALIBRATION INFORMATION

Eff. Cal. date	: 25-SEP-2023 07:18:20	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM06_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)
K-40	2.848E+00	6.732E-01	5.849E-01
CD-109	2.520E+00	9.436E-01	8.629E-01
TE-125M	2.346E+01	1.188E+01	1.160E+01
SN-126	2.410E-01	9.024E-02	8.297E-02
PM-147	9.609E+02	8.716E+02	8.066E+02
EU-155	1.428E-01	1.281E-01	1.154E-01
TL-208	3.626E-01	6.306E-02	3.641E-02
BI-211	5.098E+00	4.708E-01	2.701E-01
BI-212	7.620E-01	6.992E-01	5.244E-01
PB-212	9.309E-01	9.529E-02	7.077E-02
BI-214	1.577E+00	1.552E-01	8.327E-02
PB-214	1.850E+00	1.709E-01	9.825E-02
RN-222	1.577E+00	1.552E-01	8.327E-02
RA-224	3.788E+00	9.749E-01	7.589E-01
RA-226	1.850E+00	1.709E-01	9.825E-02
AC-228	8.515E-01	2.543E-01	1.790E-01
RA-228	8.515E-01	2.543E-01	1.790E-01
TH-228	9.309E-01	9.529E-02	7.077E-02
TH-229	1.271E-01	3.527E-01	6.501E-01
TH-230	1.850E+00	1.709E-01	9.825E-02
PA-231	5.681E-01	5.867E-01	5.701E-01
TH-232	8.515E-01	2.543E-01	1.790E-01
TH-234	4.180E+00	2.309E+00	1.678E+00
U-234	1.850E+00	1.709E-01	9.825E-02
U-235	2.637E-01	2.290E-01	2.383E-01
U-238	4.180E+00	2.309E+00	1.678E+00
AM-243	3.020E-01	7.040E-02	6.712E-02
ANH-511	1.040E-02	6.566E-02	4.165E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	-1.061E-02	2.777E-01	5.188E-01	NOT IDENT.
NA-22	-2.899E-02	2.520E-02	3.450E-02	NOT IDENT.

NA-24	0.000E+00	5.623E+12	0.000E+00	SHORT HLIF
AL-26	7.912E-03	1.810E-02	4.348E-02	NOT IDENT.
SC-46	-1.050E-02	2.738E-02	5.096E-02	FAIL ABUN
V-48	8.402E-03	7.980E-02	1.586E-01	FAIL ABUN
CR-51	8.986E-02	3.559E-01	6.972E-01	NOT IDENT.
MN-52	-1.157E+00	1.060E+00	1.554E+00	FAIL ABUN
MN-54	-6.384E-03	2.381E-02	4.501E-02	NOT IDENT.
CO-56	4.382E-03	2.293E-02	4.734E-02	FAIL ABUN
MN-56	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CO-57	-1.311E-02	1.706E-02	2.775E-02	NOT IDENT.
CO-58	6.361E-03	2.776E-02	5.614E-02	NOT IDENT.
FE-59	2.370E-03	6.558E-02	1.284E-01	NOT IDENT.
CO-60	-2.422E-02	2.830E-02	4.560E-02	NOT IDENT.
ZN-65	1.971E-02	5.971E-02	1.083E-01	NOT IDENT.
GE-68	4.155E-01	9.572E-01	1.916E+00	NOT IDENT.
AS-73	5.035E-01	7.524E-01	1.541E+00	NOT IDENT.
AS-74	2.567E-02	1.193E-01	2.249E-01	FAIL ABUN
SE-75	-9.731E-03	3.663E-02	5.763E-02	FAIL ABUN
BR-77	0.000E+00	1.055E+03	0.000E+00	SHORT HLIF
SR-82	3.633E-01	3.817E-01	7.666E-01	NOT IDENT.
RB-83	3.106E-02	5.321E-02	1.058E-01	NOT IDENT.
RB-84	-1.691E-02	5.710E-02	1.078E-01	NOT IDENT.
KR-85	6.289E+00	5.872E+00	1.087E+01	NOT IDENT.
SR-85	3.874E-02	3.628E-02	6.712E-02	NOT IDENT.
RB-86	4.468E-01	9.800E-01	1.972E+00	NOT IDENT.
Y-88	1.246E-02	2.782E-02	6.297E-02	NOT IDENT.
Y-91	-3.134E+00	1.408E+01	2.614E+01	NOT IDENT.
NB-94	-8.576E-03	2.337E-02	4.072E-02	NOT IDENT.
NB-95	7.681E-03	3.532E-02	5.953E-02	NOT IDENT.
NB-95M	-8.237E-03	1.079E-01	1.742E-01	NOT IDENT.
ZR-95	5.391E-02	6.448E-02	1.278E-01	NOT IDENT.
NB-97	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	2.209E+12	0.000E+00	SHORT HLIF
MO-99	0.000E+00	3.557E+02	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	8.545E+33	0.000E+00	SHORT HLIF
RH-101	9.463E-03	2.181E-02	4.134E-02	NOT IDENT.
RH-102	2.220E-02	3.507E-02	6.555E-02	NOT IDENT.
RU-103	-1.655E-03	3.329E-02	6.250E-02	FAIL ABUN
RH-106	-7.243E-02	2.389E-01	4.244E-01	NOT IDENT.
RU-106	-7.243E-02	2.389E-01	4.244E-01	NOT IDENT.
AG-108M	1.599E-03	2.098E-02	3.984E-02	NOT IDENT.
AG-110	3.364E-01	4.423E-01	9.118E-01	NOT IDENT.
AG-110M	7.600E-03	3.479E-02	6.935E-02	NOT IDENT.
SN-113	2.588E-03	3.360E-02	6.421E-02	NOT IDENT.
CD-115	0.000E+00	7.484E+02	0.000E+00	SHORT HLIF
SN-117M	-4.655E-02	7.435E-02	1.303E-01	NOT IDENT.
SB-122	0.000E+00	5.300E+01	0.000E+00	SHORT HLIF
TE-123M	2.540E-03	1.924E-02	3.556E-02	NOT IDENT.
SB-124	4.910E-02	6.907E-02	1.634E-01	NOT IDENT.
SB-125	-5.922E-03	6.780E-02	1.266E-01	FAIL ABUN
I-126	4.426E-01	3.811E-01	7.712E-01	NOT IDENT.
SB-126	1.071E-01	2.176E-01	4.242E-01	NOT IDENT.
SB-127	-4.224E+00	1.401E+01	2.462E+01	NOT IDENT.
I-131	-7.320E-02	2.739E-01	5.126E-01	NOT IDENT.
I-132	0.000E+00	1.400E+41	0.000E+00	SHORT HLIF
TE-132	4.827E+00	1.206E+01	2.205E+01	NOT IDENT.
BA-133	1.763E-02	2.920E-02	5.375E-02	NOT IDENT.
I-133	0.000E+00	4.815E+08	0.000E+00	SHORT HLIF
CS-134	2.090E-02	2.827E-02	5.900E-02	NOT IDENT.
I-135	0.000E+00	4.362E+31	0.000E+00	SHORT HLIF
CS-136	2.760E-02	1.479E-01	2.931E-01	NOT IDENT.
BA-137M	-8.707E-03	2.344E-02	4.122E-02	NOT IDENT.
CS-137	-9.198E-03	2.476E-02	4.354E-02	NOT IDENT.
LA-138	-1.157E-02	3.269E-02	5.961E-02	NOT IDENT.
CE-139	-1.223E-03	2.133E-02	3.868E-02	NOT IDENT.
BA-140	2.260E-01	3.958E-01	7.852E-01	NOT IDENT.
LA-140	-3.771E-02	1.275E-01	2.467E-01	FAIL ABUN
CE-141	3.612E-03	5.819E-02	9.950E-02	NOT IDENT.
CE-143	0.000E+00	1.311E+05	0.000E+00	SHORT HLIF
CE-144	-3.158E-02	1.290E-01	2.355E-01	NOT IDENT.
PM-144	-2.941E-03	2.443E-02	4.401E-02	NOT IDENT.
PR-144	-2.356E-01	1.840E+00	3.313E+00	NOT IDENT.
PM-146	-2.342E-02	3.071E-02	5.364E-02	FAIL ABUN
ND-147	-1.037E+00	9.530E-01	1.562E+00	FAIL ABUN
PM-149	0.000E+00	6.545E+03	0.000E+00	SHORT HLIF
EU-150	7.485E-03	2.473E-02	3.574E-02	FAIL ABUN
EU-152	-1.090E-03	6.770E-02	1.292E-01	FAIL ABUN
GD-153	-2.317E-02	5.715E-02	9.782E-02	NOT IDENT.

EU-154	-9.617E-02	7.049E-02	9.739E-02	NOT IDENT.
TB-160	-8.816E-02	9.364E-02	1.598E-01	FAIL ABUN
HO-166M	6.276E-03	3.751E-02	7.103E-02	FAIL ABUN
TM-171	-3.113E+00	1.428E+01	2.801E+01	NOT IDENT.
HF-172	-1.008E-01	1.302E-01	2.308E-01	FAIL ABUN
LU-172	1.479E-02	4.138E-02	8.370E-02	FAIL ABUN
LU-176	7.690E-03	1.736E-02	3.456E-02	FAIL ABUN
HF-181	6.488E-03	3.555E-02	6.852E-02	NOT IDENT.
TA-182	6.734E-02	1.348E-01	2.713E-01	FAIL ABUN
RE-183	-5.445E-03	1.652E-01	3.246E-01	NOT IDENT.
RE-184	1.658E-01	1.292E-01	2.782E-01	NOT IDENT.
W-188	-1.823E+00	5.925E+00	1.006E+01	FAIL ABUN
IR-192	-6.893E-03	2.598E-02	4.913E-02	FAIL ABUN
HG-203	2.640E-02	3.659E-02	6.744E-02	NOT IDENT.
TL-204	-2.037E+00	3.592E+00	6.226E+00	NOT IDENT.
BI-207	-9.737E-03	3.293E-02	6.094E-02	FAIL ABUN
BI-210	-7.998E-01	3.203E+00	6.208E+00	NOT IDENT.
PB-210	-7.998E-01	3.203E+00	6.208E+00	NOT IDENT.
PB-211	3.855E-01	4.856E-01	9.797E-01	NOT IDENT.
BI-213	-1.312E-03	6.770E-02	1.282E-01	NOT IDENT.
RN-219	2.876E-01	2.826E-01	5.780E-01	FAIL ABUN
RA-223	1.173E-02	4.712E-01	8.180E-01	FAIL ABUN
AC-225	1.378E-01	1.266E+00	2.094E+00	NOT IDENT.
AC-227	-1.240E-01	1.870E-01	3.108E-01	FAIL ABUN
TH-227	-1.240E-01	1.870E-01	3.108E-01	FAIL ABUN
TH-231	1.173E-02	4.712E-01	8.180E-01	FAIL ABUN
PA-233	-4.877E-03	4.300E-02	8.222E-02	FAIL ABUN
PA-234	-6.309E-02	2.471E-01	3.859E-01	FAIL ABUN
PA-234M	7.169E+00	3.441E+00	7.392E+00	FAIL ABUN
NP-237	-4.877E-03	4.300E-02	8.222E-02	FAIL ABUN
NP-238	0.000E+00	1.520E+03	0.000E+00	SHORT HLIF
NP-239	-5.297E-02	1.707E-01	2.900E-01	FAIL ABUN
PU-239	-1.583E+02	2.344E+02	4.168E+02	NOT IDENT.
AM-241	2.546E-02	1.193E-01	2.208E-01	NOT IDENT.
CM-243	-2.919E-02	6.913E-02	1.176E-01	NOT IDENT.
BK-247	-1.150E-02	6.095E-02	9.670E-02	FAIL ABUN
CM-247	2.184E-02	2.551E-02	5.169E-02	NOT IDENT.
CF-249	-2.110E-02	2.654E-02	4.707E-02	NOT IDENT.
CF-251	-7.603E-02	8.975E-02	1.530E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 07:02:54.91

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	109	10.66*	9.860E-01	2.848E+00	2.848E+00	24.12
CD-109	88.03	170	3.70*	5.254E+00	2.410E+00	2.520E+00	38.20
TE-125M	109.28	99	0.27*	6.121E+00	1.638E+01	2.346E+01	51.67
SN-126	64.28	147	9.60	2.603E+00	1.611E+00	1.611E+00	56.36
	86.94	170	8.90	5.254E+00	1.002E+00	1.002E+00	38.20
	87.57	170	37.00*	5.254E+00	2.410E-01	2.410E-01	38.20
PM-147	121.22	60	0.00*	6.197E+00	9.404E+02	9.609E+02	92.56
EU-155	86.55	170	30.70	5.254E+00	2.905E-01	2.940E-01	38.20
	105.31	66	21.10*	6.057E+00	1.411E-01	1.428E-01	91.52
TL-208	277.37	------	6.60	3.940E+00	------ Line Not Found		------
	583.19	250	85.00*	2.228E+00	3.626E-01	3.626E-01	17.74
	860.56	------	12.50	1.593E+00	------ Line Not Found		------
BI-211	72.87	------	1.23	3.892E+00	------ Line Not Found		------
	351.06	789	12.92*	3.293E+00	5.098E+00	5.098E+00	9.42
BI-212	727.33	34	6.67*	1.849E+00	7.620E-01	7.620E-01	93.63
	1620.50	------	1.47	9.117E-01	------ Line Not Found		------
PB-212	74.82	303	10.28	4.109E+00	1.974E+00	1.974E+00	23.79
	77.11	485	17.10	4.362E+00	1.788E+00	1.788E+00	16.42
	238.63	650	43.60*	4.404E+00	9.309E-01	9.309E-01	10.45
	300.09	41	3.30	3.712E+00	9.210E-01	9.210E-01	105.38
BI-214	609.32	561	45.49*	2.149E+00	1.577E+00	1.577E+00	10.05
	1120.29	135	14.92	1.247E+00	1.989E+00	1.989E+00	20.43
	1764.49	102	15.30	8.633E-01	2.123E+00	2.123E+00	22.94
PB-214	74.82	303	5.80	4.109E+00	3.498E+00	3.499E+00	23.79
	77.11	485	9.70	4.362E+00	3.151E+00	3.151E+00	16.42
	87.09	170	3.41	5.254E+00	2.615E+00	2.615E+00	38.20
	242.00	247	7.25	4.362E+00	2.142E+00	2.142E+00	26.26
	295.22	499	18.42	3.759E+00	1.981E+00	1.981E+00	11.37
	351.93	789	35.60*	3.293E+00	1.850E+00	1.850E+00	9.42
RN-222	609.32	561	45.49*	2.149E+00	1.577E+00	1.577E+00	10.05
	1120.29	135	14.92	1.247E+00	1.989E+00	1.989E+00	20.43
	1764.49	102	15.30	8.633E-01	2.123E+00	2.123E+00	22.94
RA-224	240.99	247	4.10*	4.362E+00	3.788E+00	3.788E+00	26.26
RA-226	74.82	303	5.80	4.109E+00	3.498E+00	3.499E+00	23.79
	77.11	485	9.70	4.362E+00	3.151E+00	3.151E+00	16.42
	87.09	170	3.41	5.254E+00	2.615E+00	2.615E+00	38.20
	242.00	247	7.25	4.362E+00	2.142E+00	2.142E+00	26.26
	295.22	499	18.42	3.759E+00	1.981E+00	1.981E+00	11.37
	351.93	789	35.60*	3.293E+00	1.850E+00	1.850E+00	9.42
AC-228	105.21	66	1.10	6.057E+00	2.707E+00	2.707E+00	91.52
	338.32	115	11.27	3.393E+00	8.291E-01	8.291E-01	38.19
	835.71	------	1.61	1.636E+00	------ Line Not Found		------
	911.20	121	25.80*	1.511E+00	8.515E-01	8.515E-01	30.48
	968.97	79	15.80	1.428E+00	9.640E-01	9.640E-01	35.59
RA-228	105.21	66	1.10	6.057E+00	2.707E+00	2.707E+00	91.52
	338.32	115	11.27	3.393E+00	8.291E-01	8.291E-01	38.19
	835.71	------	1.61	1.636E+00	------ Line Not Found		------

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	911.20	121	25.80*	1.511E+00	8.515E-01	8.515E-01	30.48
	968.97	79	15.80	1.428E+00	9.640E-01	9.640E-01	35.59
TH-228	74.82	303	10.28	4.109E+00	1.974E+00	1.974E+00	23.79
	77.11	485	17.10	4.362E+00	1.788E+00	1.788E+00	16.42
	238.63	650	43.60*	4.404E+00	9.309E-01	9.309E-01	10.45
	300.09	41	3.30	3.712E+00	9.210E-01	9.210E-01	105.38
TH-229	85.43	123	14.70	5.012E+00	4.578E-01	4.578E-01	56.04
	88.47	170	24.00	5.254E+00	3.716E-01	3.716E-01	38.20
	193.51	------	4.41*	5.103E+00	------ Line Not Found		------
	210.85	------	2.80	4.814E+00	------ Line Not Found		------
TH-230	74.82	303	5.80	4.109E+00	3.498E+00	3.498E+00	23.79
	77.11	485	9.70	4.362E+00	3.151E+00	3.151E+00	16.42
	87.09	170	3.41	5.254E+00	2.615E+00	2.615E+00	38.20
	242.00	247	7.25	4.362E+00	2.142E+00	2.142E+00	26.26
	295.22	499	18.42	3.759E+00	1.981E+00	1.981E+00	11.37
	351.93	789	35.60*	3.293E+00	1.850E+00	1.850E+00	9.42
PA-231	283.69	------	1.70	3.874E+00	------ Line Not Found		------
	301.36	41	5.35*	3.712E+00	5.681E-01	5.681E-01	105.38
TH-232	105.21	66	1.10	6.057E+00	2.707E+00	2.707E+00	91.52
	338.32	115	11.27	3.393E+00	8.291E-01	8.291E-01	38.19
	835.71	------	1.61	1.636E+00	------ Line Not Found		------
	911.20	121	25.80*	1.511E+00	8.515E-01	8.515E-01	30.48
	968.97	79	15.80	1.428E+00	9.640E-01	9.640E-01	35.59
TH-234	63.29	147	3.70*	2.603E+00	4.180E+00	4.180E+00	56.36
	92.59	245	4.23	5.585E+00	2.853E+00	2.853E+00	31.94
U-234	74.82	303	5.80	4.109E+00	3.498E+00	3.498E+00	23.79
	77.11	485	9.70	4.362E+00	3.151E+00	3.151E+00	16.42
	87.09	170	3.41	5.254E+00	2.615E+00	2.615E+00	38.20
	242.00	247	7.25	4.362E+00	2.142E+00	2.142E+00	26.26
	295.22	499	18.42	3.759E+00	1.981E+00	1.981E+00	11.37
	351.93	789	35.60*	3.293E+00	1.850E+00	1.850E+00	9.42
U-235	89.96	141	3.47	5.433E+00	2.061E+00	2.061E+00	48.95
	93.35	245	5.60	5.585E+00	2.155E+00	2.155E+00	31.94
	143.76	63	10.96*	5.982E+00	2.637E-01	2.637E-01	88.60
	163.33	------	5.08	5.649E+00	------ Line Not Found		------
	185.72	194	57.20	5.239E+00	1.775E-01	1.775E-01	51.98
	205.31	------	5.01	4.904E+00	------ Line Not Found		------
U-238	63.29	147	3.70*	2.603E+00	4.180E+00	4.180E+00	56.36
	92.59	245	4.23	5.585E+00	2.853E+00	2.853E+00	31.94
AM-243	43.53	------	5.90	3.651E-01	------ Line Not Found		------
	74.66	303	67.20*	4.109E+00	3.019E-01	3.020E-01	23.79
ANH-511	511.00	9	100.00*	2.474E+00	1.040E-02	1.040E-02	644.22

Flag: "*" = Keyline

Sample ID : G645981004 Acquisition date : 13-DEC-2023 05:01:46

Total number of lines in spectrum	58	
Number of unidentified lines	20	
Number of lines tentatively identified by NID	38	65.52%

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	2.848E+00	2.848E+00	0.687E+00	24.12	
CD-109	461.40D	1.05	2.410E+00	2.520E+00	0.963E+00	38.20	
TE-125M	57.40D	1.43	1.638E+01	2.346E+01	1.212E+01	51.67	
SN-126	2.30E+05Y	1.00	2.410E-01	2.410E-01	0.921E-01	38.20	
PM-147	2.62Y	1.02	9.404E+02	9.609E+02	8.894E+02	92.56	
EU-155	4.75Y	1.01	1.411E-01	1.428E-01	1.307E-01	91.52	
TL-208	1.41E+10Y	1.00	3.626E-01	3.626E-01	0.643E-01	17.74	
BI-211	7.04E+08Y	1.00	5.098E+00	5.098E+00	0.480E+00	9.42	
BI-212	1.41E+10Y	1.00	7.620E-01	7.620E-01	7.135E-01	93.63	
PB-212	1.41E+10Y	1.00	9.309E-01	9.309E-01	0.972E-01	10.45	
BI-214	1600.00Y	1.00	1.577E+00	1.577E+00	0.158E+00	10.05	
PB-214	1600.00Y	1.00	1.850E+00	1.850E+00	0.174E+00	9.42	
RN-222	1600.00Y	1.00	1.577E+00	1.577E+00	0.158E+00	10.05	
RA-224	1.41E+10Y	1.00	3.788E+00	3.788E+00	0.995E+00	26.26	
RA-226	1600.00Y	1.00	1.850E+00	1.850E+00	0.174E+00	9.42	
AC-228	1.41E+10Y	1.00	8.515E-01	8.515E-01	2.595E-01	30.48	
RA-228	1.41E+10Y	1.00	8.515E-01	8.515E-01	2.595E-01	30.48	
TH-228	1.41E+10Y	1.00	9.309E-01	9.309E-01	0.972E-01	10.45	
TH-229	7340.00Y	1.00	3.716E-01	3.716E-01	1.420E-01	38.20	K
TH-230	7.54E+04Y	1.00	1.850E+00	1.850E+00	0.174E+00	9.42	
PA-231	7.04E+08Y	1.00	5.681E-01	5.681E-01	5.986E-01	105.38	
TH-232	1.41E+10Y	1.00	8.515E-01	8.515E-01	2.595E-01	30.48	
TH-234	4.47E+09Y	1.00	4.180E+00	4.180E+00	2.356E+00	56.36	
U-234	2.45E+05Y	1.00	1.850E+00	1.850E+00	0.174E+00	9.42	
U-235	7.04E+08Y	1.00	2.637E-01	2.637E-01	2.336E-01	88.60	
U-238	4.47E+09Y	1.00	4.180E+00	4.180E+00	2.356E+00	56.36	
AM-243	7370.00Y	1.00	3.019E-01	3.020E-01	0.718E-01	23.79	
ANH-511	1.00E+09Y	1.00	1.040E-02	1.040E-02	6.700E-02	644.22	
			---------	---------			
	Total Activity :		9.973E+02	1.025E+03			

Grand Total Activity : 9.973E+02 1.025E+03

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

Sample ID : G645981004 Acquisition date : 13-DEC-2023 05:01:46

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
4	95.07	42	184	0.92	189.00	163	30	4.90E-03	****	5.71E+00	T
0	209.31	99	169	1.15	417.53	414	8	1.24E-02	52.6	4.84E+00	
0	221.12	33	135	0.91	441.16	438	7	4.12E-03	****	4.66E+00	T
0	270.25	106	162	3.23	539.44	532	13	1.35E-02	55.8	4.02E+00	T
0	328.02	78	170	3.18	655.01	649	15	1.01E-02	79.0	3.47E+00	T
0	406.63	161	201	13.25	812.29	797	33	2.10E-02	57.6	2.95E+00	
0	464.00	26	57	0.98	927.08	924	7	3.38E-03	****	2.67E+00	T
0	633.34	30	13	0.94	1265.93	1262	9	4.06E-03	58.2	2.08E+00	T
0	768.85	52	43	1.39	1537.11	1532	10	7.14E-03	55.1	1.76E+00	
0	825.29	18	19	1.33	1650.08	1645	11	2.52E-03	****	1.65E+00	
1	934.25	35	24	2.06	1868.18	1861	29	4.91E-03	64.2	1.48E+00	T
1	943.47	16	16	2.07	1886.62	1861	29	2.19E-03	87.8	1.46E+00	T
1	964.68	28	29	2.08	1929.08	1923	23	3.86E-03	87.1	1.43E+00	T
0	1001.00	30	7	0.72	2001.79	1997	10	4.27E-03	49.0	1.39E+00	T
0	1145.95	14	18	3.06	2291.98	2283	13	1.96E-03	****	1.22E+00	
0	1155.70	22	21	0.98	2311.49	2307	9	3.18E-03	84.9	1.21E+00	
0	1238.14	59	9	0.92	2476.53	2468	18	8.47E-03	34.5	1.14E+00	T
1	1280.82	24	12	2.11	2562.00	2558	15	3.50E-03	58.0	1.10E+00	
1	1283.82	19	7	2.11	2568.00	2558	15	2.68E-03	68.3	1.10E+00	
0	1354.40	8	7	0.89	2709.33	2704	9	1.14E-03	****	1.05E+00	
0	1378.05	28	16	2.20	2756.69	2747	14	4.09E-03	72.6	1.04E+00	
0	1477.03	9	4	1.30	2954.89	2950	9	1.32E-03	****	9.77E-01	
0	1484.54	6	12	3.67	2969.92	2960	12	8.10E-04	****	9.74E-01	
0	1507.25	10	5	0.67	3015.40	3008	11	1.46E-03	****	9.62E-01	
0	1511.82	9	5	1.93	3024.57	3018	9	1.27E-03	****	9.60E-01	
0	1539.38	9	9	2.87	3079.77	3073	12	1.24E-03	****	9.46E-01	
0	1730.37	20	7	2.95	3462.29	3453	14	2.92E-03	69.0	8.73E-01	
0	1848.64	15	6	1.58	3699.19	3691	13	2.15E-03	84.7	8.42E-01	
0	1916.48	9	0	0.50	3835.10	3828	12	1.39E-03	63.2	8.29E-01	
0	2029.20	12	0	0.58	4060.92	4055	12	1.81E-03	55.5	8.13E-01	
0	2035.84	7	2	1.32	4074.22	4068	10	1.04E-03	****	8.12E-01	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 07:03:08.55

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981004.CNF;1    *
* Acquisition date : 13-DEC-2023 05:01:46 Sensitivity     : 3.000       *
* Detector ID      : GAM06                Energy tolerance: 1.500       *
* Elapsed live time:    0 02:00:00.00     Abundance limit : 75.000      *
* Elapsed real time:    0 02:00:01.21     Half life ratio : *****       *
* Sample date      : 13-NOV-2023 12:00:00 Nuclide Library : SOLID       *
* Sample ID        : G645981004           Analyst initials: RXF2        *
* Batch Number     : 2529194              Sample Quantity : 1.3659E+02 GRAM   *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000  *
*                                         Dry Weight      :    0.00000  *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 25-SEP-2023 07:18:20 Eff. Geometry   : CAN         *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM06_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)
K-40	2.571E-01
CD-109	4.107E-01
TE-125M	5.463E+00
SN-126	3.949E-02
PM-147	3.809E+02
EU-155	5.461E-02
TL-208	1.621E-02
BI-211	1.261E-01
BI-212	2.317E-01
PB-212	3.339E-02
BI-214	3.777E-02
PB-214	4.588E-02
RN-222	3.777E-02
RA-224	3.581E-01
RA-226	4.588E-02
AC-228	7.989E-02
RA-228	7.989E-02
TH-228	3.339E-02
TH-229	3.080E-01
TH-230	4.588E-02
PA-231	2.658E-01
TH-232	7.989E-02
TH-234	7.989E-01
U-234	4.588E-02
U-235	1.133E-01
U-238	7.989E-01
AM-243	3.215E-02
ANH-511	1.930E-02

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	2.389E-01	NOT IDENT.
NA-22	1.380E-02	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF

AL-26	1.737E-02	NOT IDENT.
SC-46	2.237E-02	FAIL ABUN
V-48	6.963E-02	FAIL ABUN
CR-51	3.257E-01	NOT IDENT.
MN-52	6.281E-01	FAIL ABUN
MN-54	2.005E-02	NOT IDENT.
CO-56	2.063E-02	FAIL ABUN
MN-56	0.000E+00	SHORT HLIF
CO-57	1.309E-02	NOT IDENT.
CO-58	2.506E-02	NOT IDENT.
FE-59	5.592E-02	NOT IDENT.
CO-60	1.926E-02	NOT IDENT.
ZN-65	4.771E-02	NOT IDENT.
GE-68	8.612E-01	NOT IDENT.
AS-73	7.329E-01	NOT IDENT.
AS-74	1.031E-01	FAIL ABUN
SE-75	2.692E-02	FAIL ABUN
BR-77	0.000E+00	SHORT HLIF
SR-82	3.511E-01	NOT IDENT.
RB-83	4.853E-02	NOT IDENT.
RB-84	4.736E-02	NOT IDENT.
KR-85	5.078E+00	NOT IDENT.
SR-85	3.137E-02	NOT IDENT.
RB-86	8.851E-01	NOT IDENT.
Y-88	2.612E-02	NOT IDENT.
Y-91	1.132E+01	NOT IDENT.
NB-94	1.838E-02	NOT IDENT.
NB-95	2.683E-02	NOT IDENT.
NB-95M	8.230E-02	NOT IDENT.
ZR-95	5.859E-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	1.973E-02	NOT IDENT.
RH-102	2.950E-02	NOT IDENT.
RU-103	2.847E-02	FAIL ABUN
RH-106	1.932E-01	NOT IDENT.
RU-106	1.932E-01	NOT IDENT.
AG-108M	1.843E-02	NOT IDENT.
AG-110	4.108E-01	NOT IDENT.
AG-110M	3.107E-02	NOT IDENT.
SN-113	2.980E-02	NOT IDENT.
CD-115	0.000E+00	SHORT HLIF
SN-117M	6.160E-02	NOT IDENT.
SB-122	0.000E+00	SHORT HLIF
TE-123M	1.683E-02	NOT IDENT.
SB-124	6.930E-02	NOT IDENT.
SB-125	5.874E-02	FAIL ABUN
I-126	3.574E-01	NOT IDENT.
SB-126	1.922E-01	NOT IDENT.
SB-127	1.119E+01	NOT IDENT.
I-131	2.373E-01	NOT IDENT.
I-132	0.000E+00	SHORT HLIF
TE-132	1.042E+01	NOT IDENT.
BA-133	2.499E-02	NOT IDENT.
I-133	0.000E+00	SHORT HLIF
CS-134	2.686E-02	NOT IDENT.
I-135	0.000E+00	SHORT HLIF
CS-136	1.296E-01	NOT IDENT.
BA-137M	1.851E-02	NOT IDENT.
CS-137	1.956E-02	NOT IDENT.
LA-138	2.412E-02	NOT IDENT.
CE-139	1.834E-02	NOT IDENT.
BA-140	3.598E-01	NOT IDENT.
LA-140	1.020E-01	FAIL ABUN
CE-141	4.722E-02	NOT IDENT.
CE-143	0.000E+00	SHORT HLIF
CE-144	1.116E-01	NOT IDENT.
PM-144	1.992E-02	NOT IDENT.
PR-144	1.499E+00	NOT IDENT.
PM-146	2.465E-02	FAIL ABUN
ND-147	7.023E-01	FAIL ABUN
PM-149	0.000E+00	SHORT HLIF
EU-150	1.671E-02	FAIL ABUN
EU-152	6.030E-02	FAIL ABUN
GD-153	4.640E-02	NOT IDENT.
EU-154	3.901E-02	NOT IDENT.

TB-160	6.926E-02	FAIL ABUN
HO-166M	3.182E-02	FAIL ABUN
TM-171	1.328E+01	NOT IDENT.
HF-172	1.097E-01	FAIL ABUN
LU-172	3.706E-02	FAIL ABUN
LU-176	1.616E-02	FAIL ABUN
HF-181	3.130E-02	NOT IDENT.
TA-182	1.213E-01	FAIL ABUN
RE-183	1.543E-01	NOT IDENT.
RE-184	1.275E-01	NOT IDENT.
W-188	4.694E+00	FAIL ABUN
IR-192	2.286E-02	FAIL ABUN
HG-203	3.186E-02	NOT IDENT.
TL-204	2.975E+00	NOT IDENT.
BI-207	2.663E-02	FAIL ABUN
BI-210	2.946E+00	NOT IDENT.
PB-210	2.946E+00	NOT IDENT.
PB-211	4.559E-01	NOT IDENT.
BI-213	5.883E-02	NOT IDENT.
RN-219	2.697E-01	FAIL ABUN
RA-223	3.818E-01	FAIL ABUN
AC-225	9.909E-01	NOT IDENT.
AC-227	1.458E-01	FAIL ABUN
TH-227	1.458E-01	FAIL ABUN
TH-231	3.818E-01	FAIL ABUN
PA-233	3.837E-02	FAIL ABUN
PA-234	1.715E-01	FAIL ABUN
PA-234M	3.375E+00	FAIL ABUN
NP-237	3.837E-02	FAIL ABUN
NP-238	0.000E+00	SHORT HLIF
NP-239	1.371E-01	FAIL ABUN
PU-239	1.985E+02	NOT IDENT.
AM-241	1.052E-01	NOT IDENT.
CM-243	5.569E-02	NOT IDENT.
BK-247	4.522E-02	FAIL ABUN
CM-247	2.407E-02	NOT IDENT.
CF-249	2.165E-02	NOT IDENT.
CF-251	7.238E-02	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 07:03:13.83

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G645981004.CNF;1		
Acquisition date	: 13-DEC-2023 05:01:46	Sensitivity	: 3.000
Detector ID	: GAM06	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:01.21	Half life ratio	: *****
Sample date	: 13-NOV-2023 12:00:00	Nuclide Library	: SOLID
Sample ID	: G645981004	Analyst initials	: RXF2
Batch Number	: 2529194	Sample Quantity	: 1.3659E+02 GRAM
		Quantity Err(%)	: 1.4642E-03 %
Wet wt corr	: 1.00000	Wet Weight	: 0.00000
		Dry Weight	: 0.00000

CALIBRATION INFORMATION

Eff. Cal. date	: 25-SEP-2023 07:18:20	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM06_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)
K-40	2.848E+00	7.245E-01	7.245E-01
CD-109	2.520E+00	9.814E-01	9.814E-01
TE-125M	2.346E+01	1.202E+01	1.202E+01
SN-126	2.410E-01	9.298E-02	9.298E-02
PM-147	9.609E+02	8.744E+02	8.744E+02
EU-155	1.428E-01	1.287E-01	1.287E-01
TL-208	3.626E-01	7.062E-02	7.062E-02
BI-211	5.098E+00	6.264E-01	6.264E-01
BI-212	7.620E-01	7.028E-01	7.028E-01
PB-212	9.309E-01	1.217E-01	1.217E-01
BI-214	1.577E+00	2.077E-01	2.077E-01
PB-214	1.850E+00	2.254E-01	2.254E-01
RN-222	1.577E+00	2.077E-01	2.077E-01
RA-224	3.788E+00	1.023E+00	1.023E+00
RA-226	1.850E+00	2.254E-01	2.254E-01
AC-228	8.515E-01	2.677E-01	2.677E-01
RA-228	8.515E-01	2.677E-01	2.677E-01
TH-228	9.309E-01	1.217E-01	1.217E-01
TH-229	1.271E-01	3.528E-01	3.528E-01
TH-230	1.850E+00	2.253E-01	2.253E-01
PA-231	5.681E-01	6.001E-01	6.001E-01
TH-232	8.515E-01	2.677E-01	2.677E-01
TH-234	4.180E+00	2.503E+00	2.503E+00
U-234	1.850E+00	2.253E-01	2.253E-01
U-235	2.637E-01	2.299E-01	2.299E-01
U-238	4.180E+00	2.503E+00	2.503E+00
AM-243	3.020E-01	7.523E-02	7.523E-02
ANH-511	1.040E-02	6.567E-02	6.567E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	-1.061E-02	2.777E-01	2.778E-01	NOT IDENT.
NA-22	-2.899E-02	2.532E-02	2.849E-02	NOT IDENT.

NA-24	-1.919E+12	5.627E+12	5.693E+12	SHORT HLIF
AL-26	7.912E-03	1.811E-02	1.846E-02	NOT IDENT.
SC-46	-1.050E-02	2.739E-02	2.780E-02	FAIL ABUN
V-48	8.402E-03	7.980E-02	7.989E-02	FAIL ABUN
CR-51	8.986E-02	3.560E-01	3.583E-01	NOT IDENT.
MN-52	-1.157E+00	1.065E+00	1.186E+00	FAIL ABUN
MN-54	-6.384E-03	2.381E-02	2.399E-02	NOT IDENT.
CO-56	4.382E-03	2.294E-02	2.302E-02	FAIL ABUN
MN-56	1.000E+41	5.036E+41	0.000E+00	SHORT HLIF
CO-57	-1.311E-02	1.709E-02	1.808E-02	NOT IDENT.
CO-58	6.361E-03	2.777E-02	2.791E-02	NOT IDENT.
FE-59	2.370E-03	6.558E-02	6.559E-02	NOT IDENT.
CO-60	-2.422E-02	2.838E-02	3.041E-02	NOT IDENT.
ZN-65	1.971E-02	5.973E-02	6.039E-02	NOT IDENT.
GE-68	4.155E-01	9.579E-01	9.760E-01	NOT IDENT.
AS-73	5.035E-01	7.603E-01	7.935E-01	NOT IDENT.
AS-74	2.567E-02	1.193E-01	1.199E-01	FAIL ABUN
SE-75	-9.731E-03	3.664E-02	3.690E-02	FAIL ABUN
BR-77	1.031E+04	8.948E+03	1.008E+04	SHORT HLIF
SR-82	3.633E-01	3.831E-01	4.166E-01	NOT IDENT.
RB-83	3.106E-02	5.343E-02	5.523E-02	NOT IDENT.
RB-84	-1.691E-02	5.712E-02	5.763E-02	NOT IDENT.
KR-85	6.289E+00	5.897E+00	6.544E+00	NOT IDENT.
SR-85	3.874E-02	3.644E-02	4.041E-02	NOT IDENT.
RB-86	4.468E-01	9.807E-01	1.001E+00	NOT IDENT.
Y-88	1.246E-02	2.783E-02	2.840E-02	NOT IDENT.
Y-91	-3.134E+00	1.408E+01	1.415E+01	NOT IDENT.
NB-94	-8.576E-03	2.338E-02	2.370E-02	NOT IDENT.
NB-95	7.681E-03	3.532E-02	3.549E-02	NOT IDENT.
NB-95M	-8.237E-03	1.079E-01	1.079E-01	NOT IDENT.
ZR-95	5.391E-02	6.466E-02	6.908E-02	NOT IDENT.
NB-97	1.000E+41	2.454E+41	0.000E+00	SHORT HLIF
ZR-97	2.203E+12	2.217E+12	2.430E+12	SHORT HLIF
MO-99	-1.523E+02	3.560E+02	3.626E+02	SHORT HLIF
TC-99M	-1.157E+33	8.546E+33	0.000E+00	SHORT HLIF
RH-101	9.463E-03	2.188E-02	2.229E-02	NOT IDENT.
RH-102	2.220E-02	3.515E-02	3.655E-02	NOT IDENT.
RU-103	-1.655E-03	3.329E-02	3.330E-02	FAIL ABUN
RH-106	-7.243E-02	2.390E-01	2.412E-01	NOT IDENT.
RU-106	-7.243E-02	2.390E-01	2.412E-01	NOT IDENT.
AG-108M	1.599E-03	2.099E-02	2.100E-02	NOT IDENT.
AG-110	3.364E-01	4.433E-01	4.685E-01	NOT IDENT.
AG-110M	7.600E-03	3.480E-02	3.497E-02	NOT IDENT.
SN-113	2.588E-03	3.360E-02	3.362E-02	NOT IDENT.
CD-115	6.828E+02	7.514E+02	8.120E+02	SHORT HLIF
SN-117M	-4.655E-02	7.445E-02	7.735E-02	NOT IDENT.
SB-122	6.767E+00	5.300E+01	5.309E+01	SHORT HLIF
TE-123M	2.540E-03	1.924E-02	1.928E-02	NOT IDENT.
SB-124	4.910E-02	6.919E-02	7.264E-02	NOT IDENT.
SB-125	-5.922E-03	6.780E-02	6.785E-02	FAIL ABUN
I-126	4.426E-01	3.835E-01	4.323E-01	NOT IDENT.
SB-126	1.071E-01	2.180E-01	2.233E-01	NOT IDENT.
SB-127	-4.224E+00	1.403E+01	1.416E+01	NOT IDENT.
I-131	-7.320E-02	2.740E-01	2.760E-01	NOT IDENT.
I-132	1.000E+41	2.308E+41	0.000E+00	SHORT HLIF
TE-132	4.827E+00	1.208E+01	1.227E+01	NOT IDENT.
BA-133	1.763E-02	2.923E-02	3.029E-02	NOT IDENT.
I-133	-3.140E+08	4.858E+08	5.061E+08	SHORT HLIF
CS-134	2.090E-02	2.834E-02	2.986E-02	NOT IDENT.
I-135	-3.657E+31	5.021E+31	0.000E+00	SHORT HLIF
CS-136	2.760E-02	1.479E-01	1.485E-01	NOT IDENT.
BA-137M	-8.707E-03	2.345E-02	2.377E-02	NOT IDENT.
CS-137	-9.198E-03	2.477E-02	2.511E-02	NOT IDENT.
LA-138	-1.157E-02	3.271E-02	3.312E-02	NOT IDENT.
CE-139	-1.223E-03	2.134E-02	2.134E-02	NOT IDENT.
BA-140	2.260E-01	3.963E-01	4.092E-01	NOT IDENT.
LA-140	-3.771E-02	1.276E-01	1.287E-01	FAIL ABUN
CE-141	3.612E-03	5.819E-02	5.821E-02	NOT IDENT.
CE-143	1.921E+05	1.320E+05	1.578E+05	SHORT HLIF
CE-144	-3.158E-02	1.290E-01	1.298E-01	NOT IDENT.
PM-144	-2.941E-03	2.443E-02	2.446E-02	NOT IDENT.
PR-144	-2.356E-01	1.841E+00	1.844E+00	NOT IDENT.
PM-146	-2.342E-02	3.080E-02	3.256E-02	FAIL ABUN
ND-147	-1.037E+00	9.574E-01	1.066E+00	FAIL ABUN
PM-149	1.219E+03	6.548E+03	6.571E+03	SHORT HLIF
EU-150	7.485E-03	2.474E-02	2.497E-02	FAIL ABUN
EU-152	-1.090E-03	6.770E-02	6.770E-02	FAIL ABUN
GD-153	-2.317E-02	5.719E-02	5.813E-02	NOT IDENT.

EU-154	-9.617E-02	7.098E-02	8.318E-02	NOT IDENT.
TB-160	-8.816E-02	9.407E-02	1.021E-01	FAIL ABUN
HO-166M	6.276E-03	3.752E-02	3.762E-02	FAIL ABUN
TM-171	-3.113E+00	1.428E+01	1.435E+01	NOT IDENT.
HF-172	-1.008E-01	1.313E-01	1.390E-01	FAIL ABUN
LU-172	1.479E-02	4.142E-02	4.195E-02	FAIL ABUN
LU-176	7.690E-03	1.737E-02	1.771E-02	FAIL ABUN
HF-181	6.488E-03	3.555E-02	3.567E-02	NOT IDENT.
TA-182	6.734E-02	1.349E-01	1.383E-01	FAIL ABUN
RE-183	-5.445E-03	1.652E-01	1.652E-01	NOT IDENT.
RE-184	1.658E-01	1.306E-01	1.505E-01	NOT IDENT.
W-188	-1.823E+00	5.929E+00	5.986E+00	FAIL ABUN
IR-192	-6.893E-03	2.598E-02	2.617E-02	FAIL ABUN
HG-203	2.640E-02	3.664E-02	3.853E-02	NOT IDENT.
TL-204	-2.037E+00	3.598E+00	3.714E+00	NOT IDENT.
BI-207	-9.737E-03	3.294E-02	3.323E-02	FAIL ABUN
BI-210	-7.998E-01	3.204E+00	3.224E+00	NOT IDENT.
PB-210	-7.998E-01	3.204E+00	3.224E+00	NOT IDENT.
PB-211	3.855E-01	4.868E-01	5.169E-01	NOT IDENT.
BI-213	-1.312E-03	6.770E-02	6.770E-02	NOT IDENT.
RN-219	2.876E-01	2.857E-01	3.137E-01	FAIL ABUN
RA-223	1.173E-02	4.713E-01	4.713E-01	FAIL ABUN
AC-225	1.378E-01	1.266E+00	1.267E+00	NOT IDENT.
AC-227	-1.240E-01	1.879E-01	1.960E-01	FAIL ABUN
TH-227	-1.240E-01	1.879E-01	1.960E-01	FAIL ABUN
TH-231	1.173E-02	4.713E-01	4.713E-01	FAIL ABUN
PA-233	-4.877E-03	4.300E-02	4.306E-02	FAIL ABUN
PA-234	-6.309E-02	2.575E-01	2.590E-01	FAIL ABUN
PA-234M	7.169E+00	3.504E+00	4.767E+00	FAIL ABUN
NP-237	-4.877E-03	4.300E-02	4.306E-02	FAIL ABUN
NP-238	1.766E+01	1.520E+03	1.520E+03	SHORT HLIF
NP-239	-5.297E-02	1.708E-01	1.725E-01	FAIL ABUN
PU-239	-1.583E+02	2.347E+02	2.453E+02	NOT IDENT.
AM-241	2.546E-02	1.193E-01	1.198E-01	NOT IDENT.
CM-243	-2.919E-02	6.920E-02	7.044E-02	NOT IDENT.
BK-247	-1.150E-02	6.099E-02	6.121E-02	FAIL ABUN
CM-247	2.184E-02	2.582E-02	2.763E-02	NOT IDENT.
CF-249	-2.110E-02	2.664E-02	2.828E-02	NOT IDENT.
CF-251	-7.603E-02	9.028E-02	9.657E-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	118.2977	85.43	129.4607	131.20	132.9980
45.60	102.8815	86.55	129.8573	133.02	115.4141
46.54	111.1804	86.79	129.9408	133.52	117.5374
49.72	115.8522	86.94	129.9946	136.00	128.2015
51.35	108.5690	87.09	130.0474	136.47	130.3385
51.87	112.0154	87.57	130.2166	140.51	0.0000
52.39	117.8965	88.03	130.3781	143.76	122.9333
52.97	117.3534	88.34	130.4868	144.24	123.0432
53.44	107.8367	88.47	130.5319	145.44	113.7248
54.07	109.7235	89.96	131.0504	152.43	130.0888
57.36	0.0000	1093.63	131.2855	153.25	120.8976
57.53	125.1485	91.11	131.4481	323.87	106.4871
57.98	122.8791	92.59	131.9557	156.02	126.7236
59.27	120.4140	93.35	132.2139	158.56	118.8676
59.32	120.4357	94.56	132.6248	159.00	100.0083
59.54	131.5883	94.65	132.6555	162.33	121.7523
60.96	121.1370	94.67	132.6621	162.66	117.5835
61.17	127.8992	94.87	132.7291	163.33	112.4147
62.93	131.7585	97.43	126.1656	165.86	113.9569
63.29	131.9207	98.43	116.5600	176.31	101.8257
63.58	132.0513	98.44	116.5629	176.60	91.0342
64.28	132.3648	99.53	130.5525	177.52	128.0686
66.73	154.1331	100.11	117.6645	181.07	0.0000
67.24	146.4451	102.03	108.8314	181.52	99.0200
125.81	150.0657	103.18	130.4570	184.41	103.1194
67.75	150.0992	103.37	120.4766	143.76	103.3260
68.89	149.7978	105.21	104.6171	193.51	97.8667
69.67	164.7612	105.31	104.6416	197.03	112.9053
70.82	158.4703	106.12	104.8409	198.01	124.2619
70.83	158.4760	106.47	87.2285	201.83	122.6949
72.81	169.8566	109.28	87.7963	203.43	128.6153
72.87	169.8880	111.00	100.9142	205.31	117.6459
74.66	170.8211	111.76	102.3673	210.85	92.7175
74.82	170.9034	114.06	123.4727	215.65	118.1900
74.97	170.9811	116.30	104.6950	218.12	99.7799
77.11	172.0787	116.74	109.9707	222.11	72.5329
78.74	131.7376	119.76	95.7136	227.09	90.8719
79.69	148.6137	121.12	95.9902	227.38	80.4172
80.03	129.2771	121.22	96.0112	228.16	88.6647
80.12	129.3128	121.78	103.3178	228.18	88.6671
80.19	129.3395	122.06	115.1554	116.74	88.6671
80.57	140.1221	122.92	115.3639	235.69	100.5169
81.00	163.3809	123.07	115.3997	235.96	100.5508
81.07	163.4146	265.00	106.3562	238.63	93.4014
81.75	118.6452	125.81	147.3801	238.98	0.0000
82.47	123.6439	127.23	132.9286	240.99	93.6751
83.79	128.8740	127.91	121.1930	242.00	93.7932
84.00	128.9498	129.30	154.4070	244.70	82.5904

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.40	85.3666	344.28	66.2064	563.25	38.4935
252.80	86.6107	345.93	73.3815	564.24	0.0000
254.15	0.0000	351.06	66.6214	569.33	36.5481
256.23	94.2115	351.93	66.6748	946.00	36.5523
260.90	0.0000	355.39	0.0000	569.70	34.4677
264.66	74.8118	356.01	45.5070	583.19	22.1134
264.80	74.8230	364.49	57.5417	584.27	22.1279
265.00	74.8417	366.42	0.0000	595.83	37.1334
269.46	66.2294	372.51	61.5710	427.87	40.4291
270.03	66.2723	375.05	56.2619	602.52	0.0000
271.23	66.3613	377.52	61.8381	604.72	27.1944
273.65	64.0780	356.01	48.4593	607.14	43.2521
276.40	97.6482	388.16	59.6481	609.32	32.0789
277.37	71.7672	388.63	52.3277	610.33	32.0984
277.60	77.9752	391.69	54.3030	614.28	28.9534
278.00	78.0098	264.66	44.5078	618.01	31.1653
279.20	78.1136	401.81	44.5498	620.36	37.6632
279.54	88.0653	402.40	44.5713	621.93	39.8500
279.70	88.0805	404.85	44.6602	630.19	0.0000
280.46	85.6709	410.95	44.8809	631.29	17.8649
283.69	62.3001	413.71	44.9805	633.25	24.9298
284.31	59.8477	414.70	47.8291	634.78	29.2906
285.41	84.8859	423.72	48.1705	635.95	21.1678
285.90	0.0000	427.09	53.9802	636.99	29.3269
287.50	75.0677	427.87	56.8555	657.50	17.5749
290.67	72.8133	433.94	49.5064	657.76	20.8733
293.27	0.0000	439.40	45.8887	657.90	0.0000
351.93	63.0737	440.45	42.0977	661.66	31.9264
295.96	63.1226	453.88	57.9871	664.57	0.0000
879.38	63.2950	463.37	64.2302	666.33	32.0067
299.98	63.3881	468.07	48.3368	666.50	25.3865
300.09	63.3957	473.00	46.0581	667.71	0.0000
300.13	63.3972	475.06	51.0330	677.62	29.9784
301.36	63.4796	476.78	37.3390	685.70	39.0247
302.85	61.0342	477.60	46.2092	692.65	0.0000
256.23	67.5051	482.18	34.5222	695.00	31.3713
304.85	67.5294	487.02	37.6088	696.49	32.5164
306.78	60.4292	492.35	0.0000	696.51	32.5164
308.46	59.6806	497.08	35.8777	697.00	37.0109
311.90	67.5885	505.52	42.0983	697.30	38.1379
316.51	65.3218	507.63	0.0000	697.49	38.1421
319.41	68.9583	511.00	53.3192	702.65	34.8687
320.08	62.1035	514.00	43.8505	706.68	22.5423
321.04	57.8453	514.00	43.8505	711.68	22.5993
323.87	64.9323	520.40	31.3822	720.70	23.8369
325.23	65.0177	520.69	0.0000	721.93	0.0000
328.76	60.8911	522.65	0.0000	722.78	28.9749
333.37	74.7047	527.90	0.0000	722.91	28.9770
333.97	60.3217	528.26	32.5612	723.31	30.6870
334.37	73.4641	529.59	34.6267	724.19	25.5844
338.28	73.7358	529.87	0.0000	727.33	19.3602
338.32	73.7393	531.02	44.8522	733.00	26.0387
311.90	67.2924	537.26	30.7043	735.93	14.8678
340.48	67.2924	546.56	0.0000	333.97	33.1914
340.55	67.2955	552.55	40.3044	739.50	0.0000

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
744.23	28.7079	949.00	26.3679	1384.29	13.0532
747.24	27.5996	667.71	0.0000	1408.01	15.3304
748.06	24.1599	962.31	13.6314	1434.09	16.5445
752.31	24.2095	964.08	17.0508	1435.80	8.8276
753.82	34.6094	966.17	17.0645	1457.56	0.0000
756.73	26.5713	911.20	17.0832	1460.82	17.7754
756.80	27.7275	983.53	16.2244	1489.16	8.9551
884.68	22.6056	984.45	0.0000	1505.03	14.3883
765.81	24.3658	1274.44	10.7410	1584.12	17.4349
766.42	22.6318	1001.03	12.4894	1596.21	10.1245
766.84	26.1191	1002.74	10.7669	1620.50	8.3333
772.60	0.0000	1004.73	13.8538	1621.92	12.0409
776.52	24.4889	507.63	0.0000	1678.03	0.0000
739.50	0.0000	1025.87	0.0000	1690.97	3.7670
778.90	33.2720	1028.54	0.0000	1750.46	0.0000
783.70	27.2035	1037.84	19.4775	1764.49	9.5789
788.74	30.7852	1038.76	0.0000	1063.66	7.9928
792.07	35.2380	631.29	21.4938	1771.35	6.3958
795.86	23.8269	1048.07	17.5946	1791.20	0.0000
810.06	23.9810	1049.04	14.6677	1808.65	2.9023
810.29	23.0952	1050.41	19.5667	1810.72	0.0000
344.28	23.0975	1063.66	19.6594	1836.06	4.8665
810.76	20.4352	1077.00	19.7522		
815.77	20.4809	1077.34	20.7424		
1048.07	16.9398	1085.87	15.8516		
832.01	22.4236	1093.63	15.8945		
834.85	26.0441	1099.45	14.9313		
835.71	26.9522	1112.07	22.8516		
836.80	0.0000	1112.84	20.8000		
846.75	0.0000	1115.54	14.4132		
846.77	13.5411	1120.29	13.0333		
856.80	29.9203	1120.55	13.0341		
860.56	22.7036	1221.41	13.0373		
871.09	31.9281	1129.67	10.0574		
873.19	26.4777	1131.51	0.0000		
875.33	0.0000	1147.95	0.0000		
879.38	25.6322	1173.23	26.5300		
880.51	25.6442	1177.95	24.5273		
881.60	21.0747	1189.05	18.4614		
883.24	17.4211	1204.77	16.4932		
884.68	22.0188	1221.41	17.6163		
889.28	22.0613	1231.02	19.9570		
894.76	21.1905	1235.36	16.6533		
898.04	23.9870	1238.28	12.5010		
900.72	27.7075	1260.41	0.0000		
903.28	21.2649	1271.87	11.5787		
911.20	23.1888	1274.44	18.9613		
912.08	23.1972	1274.54	16.8555		
923.98	0.0000	1291.59	13.7657		
926.50	18.6664	1298.22	0.0000		
929.11	17.9385	1312.11	21.3074		
935.54	22.4810	1332.49	19.2920		
937.49	22.4985	1362.66	0.0000		
944.13	27.0694	1365.19	14.0648		
946.00	24.0789	1368.63	0.0000		

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 07:03:41.57

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*************************************************************************
*                            GEL Laboratories LLC                       *
*                              2040 Savage Road                         *
*                            Charleston, SC 29407                       *
*************************************************************************
Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205581249.CNF;1
Background file  : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM11.CNF;920
                                       Background date  : 10-DEC-2023 10:48:06
Sample date      : 21-NOV-2023 00:00:00 Acquisition date : 13-DEC-2023 05:02:45
Sample ID        : G1205581249          Sample quantity  : 1.37890E+02 GRAM
Detector name    : GAM11                Detector geometry: CAN
Elapsed live time: 0 02:00:00.00        Elapsed real time: 0 02:00:00.47  0.0%
Energy tolerance : 1.50000 keV          Analyst Initials : RXF2
Abundance limit  : 75.00000             Sensitivity      : 3.00000
Batch ID         : 2529194              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	3	59.95	23	66	1.25	119.62	116	15	3.19E-03	68.0	1.39E+00
2	6	87.55	31	59	1.79	174.90	171	22	4.37E-03	51.4	3.38E+00
3	6	90.44	18	59	1.35	180.67	171	22	2.54E-03	90.5	
4	6	92.37*	36	66	1.35	184.54	171	22	4.95E-03	57.4	
5	6	94.60	17	68	1.50	189.01	171	22	2.40E-03	80.8	
6	0	142.57*	12	68	1.55	285.06	283	8	1.60E-03	135.7	
7	0	163.75*	1	101	1.52	327.47	319	10	1.96E-04	*****	
8	0	185.36*	5	70	1.14	370.73	367	9	6.39E-04	408.5	
9	0	208.47	17	37	1.02	417.01	414	7	2.34E-03	64.7	
10	0	212.64	8	34	1.40	425.35	422	6	1.09E-03	122.9	
11	0	238.20*	1	93	1.30	476.54	473	9	2.07E-04	*****	
12	0	247.51	11	51	0.98	495.17	489	10	1.50E-03	128.4	
13	0	306.56	21	41	0.89	613.39	608	10	2.93E-03	61.6	
14	0	571.90	9	28	1.94	1144.59	1135	11	1.18E-03	124.3	
15	0	619.83	33	85	16.67	1240.53	1214	39	4.63E-03	93.6	
16	0	662.01*	8	9	1.59	1324.97	1318	12	1.11E-03	113.2	
17	0	669.05	22	8	1.42	1339.06	1334	11	3.08E-03	32.7	
18	0	855.78	7	5	0.53	1712.82	1709	7	9.14E-04	69.9	
19	0	881.12	12	4	2.31	1763.54	1760	8	1.67E-03	40.8	
20	0	904.49	6	3	0.66	1810.31	1807	6	8.95E-04	57.0	
21	0	987.65	16	0	3.91	1976.75	1971	11	2.22E-03	25.0	
22	0	1027.94	8	2	1.42	2057.39	2054	7	1.04E-03	46.3	
23	0	1085.71	7	5	1.23	2173.00	2168	8	9.37E-04	72.6	
24	0	1119.93	11	5	0.96	2241.48	2236	9	1.46E-03	47.7	
25	0	1204.49	7	3	1.47	2410.70	2403	11	9.86E-04	59.0	
26	0	1461.39*	5	9	0.60	2924.77	2918	12	7.38E-04	137.9	
27	0	1871.16	7	0	0.96	3744.57	3739	10	9.72E-04	37.8	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 13-DEC-2023 07:03:42

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205581249.CNF;1		
Analyses by	: PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4		
Sample title	: RXF2		
Sample date	: 21-NOV-2023 00:00:00	Acquisition date	: 13-DEC-2023 05:02:45
Sample ID	: G1205581249	Sample quantity	: 137.89 GRAM
Sample type	: SOLID	Sample geometry	:
Detector name	: GAMMA11	Detector geometry	: CAN
Elapsed live time	: 0 02:00:00.00	Elapsed real time	: 0 02:00:00.47 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	5	10.66*	1.236E+00	1.051E-01	1.051E-01	275.86
RB-84	881.60	12	68.90*	1.912E+00	2.478E-02	3.965E-02	81.65
Y-91	1204.77	7	0.26*	1.451E+00	4.987E+00	6.492E+00	118.05
CD-109	88.03	37	3.70*	6.656E+00	4.140E-01	4.281E-01	102.78
SN-126	64.28	------	9.60	4.100E+00	------ Line Not Found		------
	86.94	37	8.90	6.656E+00	1.721E-01	1.721E-01	102.78
	87.57	37	37.00*	6.656E+00	4.140E-02	4.140E-02	102.78
BA-137M	661.66	8	89.90*	2.440E+00	1.017E-02	1.018E-02	226.45
CS-137	661.66	8	85.10*	2.440E+00	1.074E-02	1.075E-02	226.45
U-235	89.96	22	3.47	6.825E+00	2.498E-01	2.498E-01	181.06
	93.35	42	5.60	6.922E+00	2.969E-01	2.969E-01	114.86
	143.76	13	10.96*	7.084E+00	4.650E-02	4.650E-02	271.33
	163.33	2	5.08	6.659E+00	1.291E-02	1.291E-02	2829.07
	185.72	5	57.20	6.210E+00	3.984E-03	3.984E-03	817.07
	205.31	------	5.01	5.822E+00	------ Line Not Found		------
AM-241	59.54	28	35.90*	3.399E+00	6.264E-02	6.264E-02	136.06

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 07:03:43.61

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205581249.CNF;1		
Acquisition date	: 13-DEC-2023 05:02:45	Sensitivity	: 3.000
Detector ID	: GAM11	Energy tolerance	: 1.500
Elapsed live time	: 0 02:00:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 02:00:00.47	Half life ratio	: *****
Sample date	: 21-NOV-2023 00:00:00	Analyst initials	: RXF2
Sample ID	: G1205581249	Sample Quantity	: 1.3789E+02 GRAM
Batch Number	: 2529194	Wet Weight	: 0.00000
Wet wt corr	: 1.00000	Dry Weight	: 0.00000
Nuclide Library	: SOLID.NLB;17		

CALIBRATION INFORMATION

Eff. Cal. date	: 21-AUG-2023 09:01:46	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM11_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	1.051E-01	2.841E-01	2.581E-01
RB-84	3.965E-02	3.172E-02	4.698E-02
Y-91	6.492E+00	7.510E+00	1.384E+01
CD-109	4.281E-01	4.312E-01	4.021E-01
SN-126	4.140E-02	4.170E-02	3.904E-02
BA-137M	1.018E-02	2.259E-02	2.316E-02
CS-137	1.075E-02	2.387E-02	2.446E-02
U-235	4.650E-02	1.236E-01	1.233E-01
AM-241	6.264E-02	8.353E-02	7.502E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	-3.157E-02	1.334E-01	2.504E-01	NOT IDENT.
NA-22	4.765E-04	1.533E-02	3.124E-02	NOT IDENT.
NA-24	0.000E+00	7.284E+08	0.000E+00	SHORT HLIF
AL-26	-2.473E-03	1.589E-02	3.260E-02	NOT IDENT.
SC-46	1.148E-03	1.307E-02	2.784E-02	FAIL ABUN
V-48	-6.051E-03	3.029E-02	5.315E-02	NOT IDENT.
CR-51	2.149E-02	1.455E-01	2.950E-01	NOT IDENT.
MN-52	-9.410E-03	1.722E-01	3.701E-01	NOT IDENT.
MN-54	-6.340E-03	1.244E-02	2.327E-02	NOT IDENT.
CO-56	-9.373E-03	1.555E-02	2.839E-02	NOT IDENT.
MN-56	0.000E+00	1.659E+41	0.000E+00	SHORT HLIF
CO-57	3.639E-03	8.334E-03	1.644E-02	NOT IDENT.
CO-58	-4.629E-03	1.714E-02	3.313E-02	NOT IDENT.
FE-59	1.285E-02	3.277E-02	7.265E-02	NOT IDENT.
CO-60	1.539E-02	1.391E-02	3.546E-02	NOT IDENT.
ZN-65	1.497E-03	2.988E-02	5.528E-02	NOT IDENT.
GE-68	2.048E-01	4.025E-01	9.228E-01	NOT IDENT.
AS-73	6.154E-02	2.507E-01	5.091E-01	NOT IDENT.
AS-74	4.796E-05	4.727E-02	9.075E-02	NOT IDENT.
SE-75	6.356E-03	1.726E-02	3.532E-02	NOT IDENT.
BR-77	2.435E+00	6.159E+01	6.847E+01	FAIL ABUN

SR-82	1.358E-01	1.433E-01	3.350E-01	NOT IDENT.
RB-83	-7.385E-03	3.174E-02	5.877E-02	NOT IDENT.
KR-85	-5.540E+00	4.062E+00	6.440E+00	NOT IDENT.
SR-85	-3.170E-02	2.319E-02	3.676E-02	NOT IDENT.
RB-86	1.342E-01	3.157E-01	7.179E-01	NOT IDENT.
Y-88	-2.289E-02	1.766E-02	2.136E-02	NOT IDENT.
NB-94	-1.499E-02	1.604E-02	2.537E-02	NOT IDENT.
NB-95	6.634E-03	1.697E-02	3.607E-02	NOT IDENT.
NB-95M	1.987E-02	5.119E-02	9.543E-02	NOT IDENT.
ZR-95	1.589E-02	2.578E-02	5.847E-02	NOT IDENT.
NB-97	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	1.191E+09	0.000E+00	SHORT HLIF
MO-99	-6.456E+00	2.443E+01	4.492E+01	NOT IDENT.
TC-99M	0.000E+00	4.520E+24	0.000E+00	SHORT HLIF
RH-101	-6.015E-05	1.009E-02	1.899E-02	NOT IDENT.
RH-102	-1.909E-02	2.302E-02	3.757E-02	NOT IDENT.
RU-103	6.902E-03	1.547E-02	3.253E-02	NOT IDENT.
RH-106	-2.653E-03	1.280E-01	2.438E-01	NOT IDENT.
RU-106	-2.653E-03	1.280E-01	2.438E-01	NOT IDENT.
AG-108M	1.345E-02	1.024E-02	2.365E-02	NOT IDENT.
AG-110	8.079E-02	2.820E-01	5.234E-01	NOT IDENT.
AG-110M	-4.797E-03	1.819E-02	3.101E-02	FAIL ABUN
SN-113	-1.974E-03	1.727E-02	3.330E-02	NOT IDENT.
CD-115	-1.039E+01	4.022E+01	7.471E+01	NOT IDENT.
SN-117M	-8.560E-03	3.450E-02	5.641E-02	NOT IDENT.
SB-122	-9.930E-02	4.031E+00	7.549E+00	NOT IDENT.
TE-123M	9.611E-04	1.267E-02	2.156E-02	NOT IDENT.
SB-124	-3.419E-02	4.948E-02	8.722E-02	NOT IDENT.
SB-125	1.899E-02	3.275E-02	6.914E-02	NOT IDENT.
TE-125M	-2.198E+00	3.776E+00	6.724E+00	NOT IDENT.
I-126	8.822E-02	1.048E-01	2.095E-01	NOT IDENT.
SB-126	2.307E-02	7.654E-02	1.556E-01	FAIL ABUN
SB-127	-1.665E+00	1.957E+00	3.133E+00	NOT IDENT.
I-131	-1.768E-02	8.307E-02	1.583E-01	NOT IDENT.
I-132	0.000E+00	6.418E+40	0.000E+00	SHORT HLIF
TE-132	6.393E-01	1.165E+00	2.265E+00	NOT IDENT.
BA-133	-8.552E-04	1.576E-02	3.066E-02	NOT IDENT.
I-133	0.000E+00	6.678E+05	0.000E+00	SHORT HLIF
CS-134	3.890E-03	1.560E-02	3.275E-02	NOT IDENT.
I-135	0.000E+00	1.318E+23	0.000E+00	SHORT HLIF
CS-136	-1.938E-02	6.198E-02	1.170E-01	NOT IDENT.
LA-138	9.644E-03	1.481E-02	3.997E-02	NOT IDENT.
CE-139	1.832E-03	1.155E-02	2.004E-02	NOT IDENT.
BA-140	-9.833E-03	1.478E-01	2.835E-01	FAIL ABUN
LA-140	9.714E-03	5.902E-02	1.279E-01	NOT IDENT.
CE-141	3.854E-05	2.672E-02	4.578E-02	NOT IDENT.
CE-143	0.000E+00	1.739E+03	0.000E+00	SHORT HLIF
CE-144	2.174E-02	6.370E-02	1.241E-01	NOT IDENT.
PM-144	2.500E-04	1.545E-02	2.895E-02	NOT IDENT.
PR-144	2.245E-02	1.161E+00	2.176E+00	NOT IDENT.
PM-146	7.285E-03	1.462E-02	3.079E-02	NOT IDENT.
ND-147	1.354E-01	3.462E-01	7.057E-01	FAIL ABUN
PM-147	-9.062E+01	2.502E+02	4.536E+02	NOT IDENT.
PM-149	0.000E+00	3.064E+02	0.000E+00	SHORT HLIF
EU-150	-6.090E-03	1.131E-02	2.075E-02	NOT IDENT.
EU-152	6.789E-03	3.676E-02	7.345E-02	FAIL ABUN
GD-153	8.609E-03	3.153E-02	5.556E-02	NOT IDENT.
EU-154	2.655E-04	4.300E-02	8.726E-02	NOT IDENT.
EU-155	-4.762E-02	3.921E-02	6.047E-02	FAIL ABUN
TB-160	2.489E-02	5.863E-02	1.158E-01	FAIL ABUN
HO-166M	4.294E-03	2.216E-02	4.405E-02	FAIL ABUN
TM-171	2.166E+00	4.669E+00	9.752E+00	NOT IDENT.
HF-172	1.854E-02	6.149E-02	1.194E-01	FAIL ABUN
LU-172	8.498E-03	1.973E-02	4.480E-02	FAIL ABUN
LU-176	1.516E-02	1.830E-02	2.140E-02	FAIL ABUN
HF-181	-2.390E-03	1.811E-02	3.463E-02	NOT IDENT.
TA-182	1.659E-02	5.099E-02	1.157E-01	FAIL ABUN
RE-183	-5.607E-03	5.127E-02	9.437E-02	FAIL ABUN
RE-184	3.799E-02	4.245E-02	1.099E-01	FAIL ABUN
W-188	-8.595E-01	3.005E+00	5.733E+00	NOT IDENT.
IR-192	3.655E-04	1.269E-02	2.528E-02	NOT IDENT.
HG-203	-5.669E-03	1.458E-02	2.777E-02	NOT IDENT.
TL-204	-9.978E-01	1.265E+00	2.282E+00	NOT IDENT.
BI-207	1.585E-02	2.060E-02	4.711E-02	NOT IDENT.
TL-208	4.489E-04	1.968E-02	3.667E-02	NOT IDENT.
BI-210	-7.506E-01	1.163E+00	1.968E+00	NOT IDENT.
PB-210	-7.506E-01	1.163E+00	1.968E+00	NOT IDENT.
BI-211	-8.104E-02	9.754E-02	1.692E-01	NOT IDENT.

PB-211	-9.235E-02	3.249E-01	6.025E-01	NOT IDENT.
BI-212	3.620E-02	1.662E-01	3.370E-01	NOT IDENT.
PB-212	1.960E-03	4.957E-02	5.615E-02	FAIL ABUN
BI-213	3.677E-03	3.507E-02	7.031E-02	NOT IDENT.
BI-214	5.298E-03	3.577E-02	6.523E-02	FAIL ABUN
PB-214	-1.800E-02	3.595E-02	6.455E-02	FAIL ABUN
RN-219	-4.152E-02	1.641E-01	3.082E-01	NOT IDENT.
RN-222	5.298E-03	3.577E-02	6.523E-02	FAIL ABUN
RA-223	3.001E-01	2.388E-01	5.278E-01	FAIL ABUN
RA-224	3.802E-01	2.402E-01	5.027E-01	NOT IDENT.
AC-225	3.350E-01	3.562E-01	7.146E-01	NOT IDENT.
RA-226	-1.800E-02	3.595E-02	6.455E-02	FAIL ABUN
AC-227	-4.639E-02	8.943E-02	1.687E-01	NOT IDENT.
TH-227	-4.639E-02	8.943E-02	1.687E-01	NOT IDENT.
AC-228	-1.678E-02	7.382E-02	1.259E-01	NOT IDENT.
RA-228	-1.678E-02	7.382E-02	1.259E-01	NOT IDENT.
TH-228	1.960E-03	4.957E-02	5.615E-02	FAIL ABUN
TH-229	4.795E-02	2.123E-01	3.922E-01	FAIL ABUN
TH-230	-1.800E-02	3.595E-02	6.455E-02	FAIL ABUN
PA-231	-1.323E-01	1.916E-01	3.051E-01	NOT IDENT.
TH-231	3.001E-01	2.388E-01	5.278E-01	FAIL ABUN
TH-232	-1.678E-02	7.382E-02	1.259E-01	NOT IDENT.
PA-233	3.060E-03	2.176E-02	4.400E-02	NOT IDENT.
PA-234	-2.043E-02	8.307E-02	1.676E-01	FAIL ABUN
PA-234M	-1.685E+00	1.823E+00	2.948E+00	NOT IDENT.
TH-234	-1.452E-01	4.208E-01	8.689E-01	FAIL ABUN
U-234	-1.800E-02	3.595E-02	6.455E-02	FAIL ABUN
NP-237	3.060E-03	2.176E-02	4.400E-02	FAIL ABUN
NP-238	0.000E+00	7.367E+01	0.000E+00	SHORT HLIF
U-238	-1.452E-01	4.208E-01	8.689E-01	FAIL ABUN
NP-239	1.965E-02	8.657E-02	1.674E-01	NOT IDENT.
PU-239	-8.817E-01	1.094E+02	2.054E+02	NOT IDENT.
AM-243	-3.477E-03	1.482E-02	2.805E-02	NOT IDENT.
CM-243	1.166E-02	3.285E-02	6.488E-02	NOT IDENT.
BK-247	2.705E-02	2.961E-02	6.347E-02	NOT IDENT.
CM-247	-6.243E-04	1.600E-02	3.065E-02	NOT IDENT.
CF-249	-6.558E-03	1.433E-02	2.644E-02	NOT IDENT.
CF-251	1.032E-02	4.805E-02	8.982E-02	NOT IDENT.
ANH-511	-9.500E-02	2.722E-02	4.978E-02	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 07:03:42.31

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	5	10.66*	1.236E+00	1.051E-01	1.051E-01	275.86
RB-84	881.60	12	68.90*	1.912E+00	2.478E-02	3.965E-02	81.65
Y-91	1204.77	7	0.26*	1.451E+00	4.987E+00	6.492E+00	118.05
CD-109	88.03	37	3.70*	6.656E+00	4.140E-01	4.281E-01	102.78
SN-126	64.28	------	9.60	4.100E+00	------ Line Not Found		------
	86.94	37	8.90	6.656E+00	1.721E-01	1.721E-01	102.78
	87.57	37	37.00*	6.656E+00	4.140E-02	4.140E-02	102.78
BA-137M	661.66	8	89.90*	2.440E+00	1.017E-02	1.018E-02	226.45
CS-137	661.66	8	85.10*	2.440E+00	1.074E-02	1.075E-02	226.45
U-235	89.96	22	3.47	6.825E+00	2.498E-01	2.498E-01	181.06
	93.35	42	5.60	6.922E+00	2.969E-01	2.969E-01	114.86
	143.76	13	10.96*	7.084E+00	4.650E-02	4.650E-02	271.33
	163.33	2	5.08	6.659E+00	1.291E-02	1.291E-02	2829.07
	185.72	5	57.20	6.210E+00	3.984E-03	3.984E-03	817.07
	205.31	------	5.01	5.822E+00	------ Line Not Found		------
AM-241	59.54	28	35.90*	3.399E+00	6.264E-02	6.264E-02	136.06

Flag: "*" = Keyline

Sample ID : G1205581249 Acquisition date : 13-DEC-2023 05:02:45

Total number of lines in spectrum	27	
Number of unidentified lines	6	
Number of lines tentatively identified by NID	21	77.78%

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	1.051E-01	1.051E-01	2.899E-01	275.86	
RB-84	32.82D	1.60	2.478E-02	3.965E-02	3.237E-02	81.65	
Y-91	58.51D	1.30	4.987E+00	6.492E+00	7.663E+00	118.05	
CD-109	461.40D	1.03	4.140E-01	4.281E-01	4.400E-01	102.78	
SN-126	2.30E+05Y	1.00	4.140E-02	4.140E-02	4.255E-02	102.78	
BA-137M	30.08Y	1.00	1.017E-02	1.018E-02	2.305E-02	226.45	
CS-137	30.08Y	1.00	1.074E-02	1.075E-02	2.435E-02	226.45	
U-235	7.04E+08Y	1.00	4.650E-02	4.650E-02	12.62E-02	271.33	
AM-241	432.60Y	1.00	6.264E-02	6.264E-02	8.523E-02	136.06	
	Total Activity :		5.703E+00	7.236E+00			

Grand Total Activity : 5.703E+00 7.236E+00

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

Sample ID : G1205581249 Acquisition date : 13-DEC-2023 05:02:45

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
6	94.60	20	80	1.50	189.01	171	22	2.40E-03	****	7.02E+00	T
0	208.47	19	42	1.02	417.01	414	7	2.34E-03	****	5.76E+00	
0	212.64	9	38	1.40	425.35	422	6	1.09E-03	****	5.69E+00	
0	238.20	2	104	1.30	476.54	473	9	2.07E-04	****	5.26E+00	T
0	247.51	12	57	0.98	495.17	489	10	1.50E-03	****	5.12E+00	
0	306.56	23	44	0.89	613.39	608	10	2.93E-03	****	4.39E+00	T
0	571.90	9	28	1.94	1144.59	1135	11	1.18E-03	****	2.75E+00	
0	619.83	34	87	16.67	1240.53	1214	39	4.63E-03	****	2.57E+00	T
0	669.05	23	8	1.42	1339.06	1334	11	3.08E-03	65.5	2.42E+00	T
0	855.78	7	5	0.53	1712.82	1709	7	9.14E-04	****	1.96E+00	T
0	904.49	6	3	0.66	1810.31	1807	6	8.95E-04	****	1.87E+00	T
0	987.65	16	0	3.91	1976.75	1971	11	2.22E-03	50.0	1.73E+00	
0	1027.94	7	1	1.42	2057.39	2054	7	1.04E-03	92.6	1.67E+00	T
0	1085.71	7	5	1.23	2173.00	2168	8	9.37E-04	****	1.59E+00	T
0	1119.93	10	4	0.96	2241.48	2236	9	1.46E-03	95.5	1.55E+00	T
0	1871.16	7	0	0.96	3744.57	3739	10	9.72E-04	75.6	1.05E+00	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 07:03:53.29

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*****************************************************************************
*                            GEL Laboratories LLC                           *
*                              2040 Savage Road                             *
*                            Charleston, SC 29407                           *
*****************************************************************************
*                                                                           *
*                          DETECTOR AND SAMPLE DATA                         *
*                                                                           *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205581249.CNF;1  *
* Acquisition date : 13-DEC-2023 05:02:45 Sensitivity     : 3.000           *
* Detector ID      : GAM11                Energy tolerance: 1.500           *
* Elapsed live time:    0 02:00:00.00     Abundance limit : 75.000          *
* Elapsed real time:    0 02:00:00.47     Half life ratio : *****           *
* Sample date      : 21-NOV-2023 00:00:00 Nuclide Library : SOLID           *
* Sample ID        : G1205581249          Analyst initials: RXF2            *
* Batch Number     : 2529194              Sample Quantity : 1.3789E+02 GRAM *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000      *
*                                         Dry Weight      :    0.00000      *
*****************************************************************************
*                                                                           *
*                          CALIBRATION INFORMATION                          *
*                                                                           *
* Eff. Cal. date   : 21-AUG-2023 09:01:46 Eff. Geometry   : CAN             *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM11_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	1.011E-01
RB-84	1.896E-02
Y-91	5.643E+00
CD-109	1.848E-01
SN-126	1.794E-02
BA-137M	9.868E-03
CS-137	1.042E-02
U-235	5.670E-02
AM-241	3.424E-02

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	1.099E-01	NOT IDENT.
NA-22	1.290E-02	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF
AL-26	1.286E-02	NOT IDENT.
SC-46	1.156E-02	FAIL ABUN
V-48	2.094E-02	NOT IDENT.
CR-51	1.318E-01	NOT IDENT.
MN-52	1.385E-01	NOT IDENT.
MN-54	9.679E-03	NOT IDENT.
CO-56	1.189E-02	NOT IDENT.
MN-56	0.000E+00	SHORT HLIF
CO-57	7.570E-03	NOT IDENT.
CO-58	1.430E-02	NOT IDENT.
FE-59	3.041E-02	NOT IDENT.
CO-60	1.493E-02	NOT IDENT.
ZN-65	2.261E-02	NOT IDENT.
GE-68	3.852E-01	NOT IDENT.
AS-73	2.346E-01	NOT IDENT.
AS-74	3.967E-02	NOT IDENT.
SE-75	1.616E-02	NOT IDENT.
BR-77	3.218E+01	FAIL ABUN
SR-82	1.462E-01	NOT IDENT.

RB-83	2.601E-02	NOT IDENT.
KR-85	2.929E+00	NOT IDENT.
SR-85	1.672E-02	NOT IDENT.
RB-86	2.976E-01	NOT IDENT.
Y-88	6.647E-03	NOT IDENT.
NB-94	1.107E-02	NOT IDENT.
NB-95	1.583E-02	NOT IDENT.
NB-95M	4.403E-02	NOT IDENT.
ZR-95	2.523E-02	NOT IDENT.
NB-97	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	SHORT HLIF
MO-99	1.866E+01	NOT IDENT.
TC-99M	0.000E+00	SHORT HLIF
RH-101	8.712E-03	NOT IDENT.
RH-102	1.611E-02	NOT IDENT.
RU-103	1.426E-02	NOT IDENT.
RH-106	1.066E-01	NOT IDENT.
RU-106	1.066E-01	NOT IDENT.
AG-108M	1.060E-02	NOT IDENT.
AG-110	2.256E-01	NOT IDENT.
AG-110M	1.264E-02	FAIL ABUN
SN-113	1.484E-02	NOT IDENT.
CD-115	3.260E+01	NOT IDENT.
SN-117M	2.616E-02	NOT IDENT.
SB-122	3.218E+00	NOT IDENT.
TE-123M	1.001E-02	NOT IDENT.
SB-124	3.464E-02	NOT IDENT.
SB-125	3.082E-02	NOT IDENT.
TE-125M	3.108E+00	NOT IDENT.
I-126	8.927E-02	NOT IDENT.
SB-126	6.712E-02	FAIL ABUN
SB-127	1.330E+00	NOT IDENT.
I-131	7.097E-02	NOT IDENT.
I-132	0.000E+00	SHORT HLIF
TE-132	1.033E+00	NOT IDENT.
BA-133	1.378E-02	NOT IDENT.
I-133	0.000E+00	SHORT HLIF
CS-134	1.424E-02	NOT IDENT.
I-135	0.000E+00	SHORT HLIF
CS-136	4.935E-02	NOT IDENT.
LA-138	1.548E-02	NOT IDENT.
CE-139	9.211E-03	NOT IDENT.
BA-140	1.238E-01	FAIL ABUN
LA-140	5.279E-02	NOT IDENT.
CE-141	2.107E-02	NOT IDENT.
CE-143	0.000E+00	SHORT HLIF
CE-144	5.700E-02	NOT IDENT.
PM-144	1.280E-02	NOT IDENT.
PR-144	9.623E-01	NOT IDENT.
PM-146	1.362E-02	NOT IDENT.
ND-147	3.127E-01	FAIL ABUN
PM-147	2.081E+02	NOT IDENT.
PM-149	0.000E+00	SHORT HLIF
EU-150	9.416E-03	NOT IDENT.
EU-152	3.318E-02	FAIL ABUN
GD-153	2.578E-02	NOT IDENT.
EU-154	3.594E-02	NOT IDENT.
EU-155	2.771E-02	FAIL ABUN
TB-160	4.991E-02	FAIL ABUN
HO-166M	1.902E-02	FAIL ABUN
TM-171	4.476E+00	NOT IDENT.
HF-172	5.495E-02	FAIL ABUN
LU-172	1.859E-02	FAIL ABUN
LU-176	9.778E-03	FAIL ABUN
HF-181	1.517E-02	NOT IDENT.
TA-182	4.689E-02	FAIL ABUN
RE-183	4.255E-02	FAIL ABUN
RE-184	4.685E-02	FAIL ABUN
W-188	2.609E+00	NOT IDENT.
IR-192	1.132E-02	NOT IDENT.
HG-203	1.250E-02	NOT IDENT.
TL-204	1.042E+00	NOT IDENT.
BI-207	2.048E-02	NOT IDENT.
TL-208	1.671E-02	NOT IDENT.
BI-210	9.094E-01	NOT IDENT.
PB-210	9.094E-01	NOT IDENT.
BI-211	7.722E-02	NOT IDENT.
PB-211	2.734E-01	NOT IDENT.

BI-212	1.436E-01	NOT IDENT.
PB-212	2.642E-02	FAIL ABUN
BI-213	3.083E-02	NOT IDENT.
BI-214	2.946E-02	FAIL ABUN
PB-214	2.960E-02	FAIL ABUN
RN-219	1.382E-01	NOT IDENT.
RN-222	2.946E-02	FAIL ABUN
RA-223	2.414E-01	FAIL ABUN
RA-224	2.336E-01	NOT IDENT.
AC-225	3.293E-01	NOT IDENT.
RA-226	2.960E-02	FAIL ABUN
AC-227	7.634E-02	NOT IDENT.
TH-227	7.634E-02	NOT IDENT.
AC-228	5.518E-02	NOT IDENT.
RA-228	5.518E-02	NOT IDENT.
TH-228	2.642E-02	FAIL ABUN
TH-229	1.818E-01	FAIL ABUN
TH-230	2.960E-02	FAIL ABUN
PA-231	1.366E-01	NOT IDENT.
TH-231	2.414E-01	FAIL ABUN
TH-232	5.518E-02	NOT IDENT.
PA-233	1.973E-02	NOT IDENT.
PA-234	6.650E-02	FAIL ABUN
PA-234M	1.215E+00	NOT IDENT.
TH-234	4.078E-01	FAIL ABUN
U-234	2.960E-02	FAIL ABUN
NP-237	1.973E-02	FAIL ABUN
NP-238	0.000E+00	SHORT HLIF
U-238	4.078E-01	FAIL ABUN
NP-239	7.710E-02	NOT IDENT.
PU-239	9.431E+01	NOT IDENT.
AM-243	1.298E-02	NOT IDENT.
CM-243	2.990E-02	NOT IDENT.
BK-247	2.914E-02	NOT IDENT.
CM-247	1.387E-02	NOT IDENT.
CF-249	1.167E-02	NOT IDENT.
CF-251	4.144E-02	NOT IDENT.
ANH-511	2.365E-02	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 07:03:57.95

```
*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205581249.CNF;1  *
* Acquisition date : 13-DEC-2023 05:02:45 Sensitivity     : 3.000       *
* Detector ID      : GAM11                Energy tolerance: 1.500       *
* Elapsed live time:    0 02:00:00.00     Abundance limit : 75.000      *
* Elapsed real time:    0 02:00:00.47     Half life ratio : *****       *
* Sample date      : 21-NOV-2023 00:00:00 Nuclide Library : SOLID       *
* Sample ID        : G1205581249          Analyst initials: RXF2        *
* Batch Number     : 2529194              Sample Quantity : 1.3789E+02 GRAM  *
*                                         Quantity Err(%) : 1.4504E-03 %     *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000       *
*                                         Dry Weight      :    0.00000       *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 21-AUG-2023 09:01:46 Eff. Geometry   : CAN         *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM11_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	1.051E-01	2.843E-01	2.843E-01
RB-84	3.965E-02	3.194E-02	3.194E-02
Y-91	6.492E+00	7.527E+00	7.527E+00
CD-109	4.281E-01	4.347E-01	4.347E-01
SN-126	4.140E-02	4.198E-02	4.198E-02
BA-137M	1.018E-02	2.262E-02	2.262E-02
CS-137	1.075E-02	2.389E-02	2.389E-02
U-235	4.650E-02	1.237E-01	1.237E-01
AM-241	6.264E-02	8.380E-02	8.380E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	-3.157E-02	1.335E-01	1.342E-01	NOT IDENT.
NA-22	4.765E-04	1.533E-02	1.533E-02	NOT IDENT.
NA-24	2.951E+08	7.289E+08	7.409E+08	SHORT HLIF
AL-26	-2.473E-03	1.589E-02	1.593E-02	NOT IDENT.
SC-46	1.148E-03	1.307E-02	1.308E-02	FAIL ABUN
V-48	-6.051E-03	3.030E-02	3.042E-02	NOT IDENT.
CR-51	2.149E-02	1.455E-01	1.458E-01	NOT IDENT.
MN-52	-9.410E-03	1.722E-01	1.722E-01	NOT IDENT.
MN-54	-6.340E-03	1.246E-02	1.278E-02	NOT IDENT.
CO-56	-9.373E-03	1.557E-02	1.614E-02	NOT IDENT.
MN-56	-1.000E+41	1.661E+41	0.000E+00	SHORT HLIF
CO-57	3.639E-03	8.338E-03	8.498E-03	NOT IDENT.
CO-58	-4.629E-03	1.714E-02	1.727E-02	NOT IDENT.
FE-59	1.285E-02	3.280E-02	3.330E-02	NOT IDENT.
CO-60	1.539E-02	1.398E-02	1.561E-02	NOT IDENT.
ZN-65	1.497E-03	2.988E-02	2.989E-02	NOT IDENT.
GE-68	2.048E-01	4.028E-01	4.133E-01	NOT IDENT.
AS-73	6.154E-02	2.510E-01	2.526E-01	NOT IDENT.
AS-74	4.796E-05	4.727E-02	4.727E-02	NOT IDENT.
SE-75	6.356E-03	1.727E-02	1.751E-02	NOT IDENT.
BR-77	2.435E+00	6.161E+01	6.162E+01	FAIL ABUN

SR-82	1.358E-01	1.439E-01	1.564E-01	NOT IDENT.
RB-83	-7.385E-03	3.176E-02	3.194E-02	NOT IDENT.
KR-85	-5.540E+00	4.096E+00	4.797E+00	NOT IDENT.
SR-85	-3.170E-02	2.339E-02	2.741E-02	NOT IDENT.
RB-86	1.342E-01	3.159E-01	3.217E-01	NOT IDENT.
Y-88	-2.289E-02	1.774E-02	2.053E-02	NOT IDENT.
NB-94	-1.499E-02	1.611E-02	1.747E-02	NOT IDENT.
NB-95	6.634E-03	1.698E-02	1.725E-02	NOT IDENT.
NB-95M	1.987E-02	5.123E-02	5.201E-02	NOT IDENT.
ZR-95	1.589E-02	2.583E-02	2.681E-02	NOT IDENT.
NB-97	1.000E+41	8.161E+41	0.000E+00	SHORT HLIF
ZR-97	-2.443E+09	1.214E+09	1.639E+09	SHORT HLIF
MO-99	-6.456E+00	2.444E+01	2.461E+01	NOT IDENT.
TC-99M	-8.612E+23	4.521E+24	0.000E+00	SHORT HLIF
RH-101	-6.015E-05	1.009E-02	1.009E-02	NOT IDENT.
RH-102	-1.909E-02	2.315E-02	2.469E-02	NOT IDENT.
RU-103	6.902E-03	1.549E-02	1.580E-02	NOT IDENT.
RH-106	-2.653E-03	1.280E-01	1.280E-01	NOT IDENT.
RU-106	-2.653E-03	1.280E-01	1.280E-01	NOT IDENT.
AG-108M	1.345E-02	1.031E-02	1.196E-02	NOT IDENT.
AG-110	8.079E-02	2.821E-01	2.845E-01	NOT IDENT.
AG-110M	-4.797E-03	1.820E-02	1.833E-02	FAIL ABUN
SN-113	-1.974E-03	1.727E-02	1.730E-02	NOT IDENT.
CD-115	-1.039E+01	4.023E+01	4.050E+01	NOT IDENT.
SN-117M	-8.560E-03	3.451E-02	3.473E-02	NOT IDENT.
SB-122	-9.930E-02	4.031E+00	4.031E+00	NOT IDENT.
TE-123M	9.611E-04	1.267E-02	1.268E-02	NOT IDENT.
SB-124	-3.419E-02	4.956E-02	5.190E-02	NOT IDENT.
SB-125	1.899E-02	3.279E-02	3.389E-02	NOT IDENT.
TE-125M	-2.198E+00	3.781E+00	3.909E+00	NOT IDENT.
I-126	8.822E-02	1.052E-01	1.125E-01	NOT IDENT.
SB-126	2.307E-02	7.660E-02	7.731E-02	FAIL ABUN
SB-127	-1.665E+00	1.972E+00	2.110E+00	NOT IDENT.
I-131	-1.768E-02	8.309E-02	8.347E-02	NOT IDENT.
I-132	1.000E+41	1.518E+41	0.000E+00	SHORT HLIF
TE-132	6.393E-01	1.167E+00	1.202E+00	NOT IDENT.
BA-133	-8.552E-04	1.576E-02	1.576E-02	NOT IDENT.
I-133	-4.488E+05	6.723E+05	7.021E+05	SHORT HLIF
CS-134	3.890E-03	1.561E-02	1.571E-02	NOT IDENT.
I-135	8.990E+22	1.397E+23	0.000E+00	SHORT HLIF
CS-136	-1.938E-02	6.202E-02	6.264E-02	NOT IDENT.
LA-138	9.644E-03	1.484E-02	1.546E-02	NOT IDENT.
CE-139	1.832E-03	1.156E-02	1.159E-02	NOT IDENT.
BA-140	-9.833E-03	1.478E-01	1.479E-01	FAIL ABUN
LA-140	9.714E-03	5.903E-02	5.919E-02	NOT IDENT.
CE-141	3.854E-05	2.672E-02	2.672E-02	NOT IDENT.
CE-143	-9.505E+01	1.739E+03	1.739E+03	SHORT HLIF
CE-144	2.174E-02	6.373E-02	6.448E-02	NOT IDENT.
PM-144	2.500E-04	1.545E-02	1.545E-02	NOT IDENT.
PR-144	2.245E-02	1.161E+00	1.161E+00	NOT IDENT.
PM-146	7.285E-03	1.464E-02	1.501E-02	NOT IDENT.
ND-147	1.354E-01	3.465E-01	3.518E-01	FAIL ABUN
PM-147	-9.062E+01	2.503E+02	2.536E+02	NOT IDENT.
PM-149	1.283E+02	3.070E+02	3.124E+02	SHORT HLIF
EU-150	-6.090E-03	1.132E-02	1.165E-02	NOT IDENT.
EU-152	6.789E-03	3.677E-02	3.689E-02	FAIL ABUN
GD-153	8.609E-03	3.154E-02	3.178E-02	NOT IDENT.
EU-154	2.655E-04	4.300E-02	4.300E-02	NOT IDENT.
EU-155	-4.762E-02	3.949E-02	4.495E-02	FAIL ABUN
TB-160	2.489E-02	5.868E-02	5.975E-02	FAIL ABUN
HO-166M	4.294E-03	2.216E-02	2.225E-02	FAIL ABUN
TM-171	2.166E+00	4.675E+00	4.776E+00	NOT IDENT.
HF-172	1.854E-02	6.157E-02	6.213E-02	FAIL ABUN
LU-172	8.498E-03	1.976E-02	2.012E-02	FAIL ABUN
LU-176	1.516E-02	1.833E-02	1.956E-02	FAIL ABUN
HF-181	-2.390E-03	1.812E-02	1.815E-02	NOT IDENT.
TA-182	1.659E-02	5.100E-02	5.155E-02	FAIL ABUN
RE-183	-5.607E-03	5.127E-02	5.133E-02	FAIL ABUN
RE-184	3.799E-02	4.267E-02	4.598E-02	FAIL ABUN
W-188	-8.595E-01	3.006E+00	3.031E+00	NOT IDENT.
IR-192	3.655E-04	1.269E-02	1.269E-02	NOT IDENT.
HG-203	-5.669E-03	1.458E-02	1.481E-02	NOT IDENT.
TL-204	-9.978E-01	1.271E+00	1.348E+00	NOT IDENT.
BI-207	1.585E-02	2.064E-02	2.184E-02	NOT IDENT.
TL-208	4.489E-04	1.968E-02	1.969E-02	NOT IDENT.
BI-210	-7.506E-01	1.166E+00	1.214E+00	NOT IDENT.
PB-210	-7.506E-01	1.166E+00	1.214E+00	NOT IDENT.
BI-211	-8.104E-02	9.777E-02	1.044E-01	NOT IDENT.

PB-211	-9.235E-02	3.250E-01	3.277E-01	NOT IDENT.
BI-212	3.620E-02	1.662E-01	1.670E-01	NOT IDENT.
PB-212	1.960E-03	4.957E-02	4.958E-02	FAIL ABUN
BI-213	3.677E-03	3.507E-02	3.511E-02	NOT IDENT.
BI-214	5.298E-03	3.577E-02	3.585E-02	FAIL ABUN
PB-214	-1.800E-02	3.598E-02	3.688E-02	FAIL ABUN
RN-219	-4.152E-02	1.642E-01	1.653E-01	NOT IDENT.
RN-222	5.298E-03	3.577E-02	3.585E-02	FAIL ABUN
RA-223	3.001E-01	2.403E-01	2.758E-01	FAIL ABUN
RA-224	3.802E-01	2.422E-01	2.967E-01	NOT IDENT.
AC-225	3.350E-01	3.578E-01	3.884E-01	NOT IDENT.
RA-226	-1.800E-02	3.598E-02	3.688E-02	FAIL ABUN
AC-227	-4.639E-02	8.969E-02	9.209E-02	NOT IDENT.
TH-227	-4.639E-02	8.969E-02	9.209E-02	NOT IDENT.
AC-228	-1.678E-02	7.384E-02	7.423E-02	NOT IDENT.
RA-228	-1.678E-02	7.384E-02	7.423E-02	NOT IDENT.
TH-228	1.960E-03	4.957E-02	4.958E-02	FAIL ABUN
TH-229	4.795E-02	2.123E-01	2.134E-01	FAIL ABUN
TH-230	-1.800E-02	3.598E-02	3.688E-02	FAIL ABUN
PA-231	-1.323E-01	1.938E-01	2.028E-01	NOT IDENT.
TH-231	3.001E-01	2.403E-01	2.758E-01	FAIL ABUN
TH-232	-1.678E-02	7.384E-02	7.423E-02	NOT IDENT.
PA-233	3.060E-03	2.177E-02	2.181E-02	NOT IDENT.
PA-234	-2.043E-02	8.631E-02	8.680E-02	FAIL ABUN
PA-234M	-1.685E+00	1.829E+00	1.980E+00	NOT IDENT.
TH-234	-1.452E-01	4.222E-01	4.272E-01	FAIL ABUN
U-234	-1.800E-02	3.598E-02	3.688E-02	FAIL ABUN
NP-237	3.060E-03	2.177E-02	2.181E-02	FAIL ABUN
NP-238	-1.790E+01	7.369E+01	7.413E+01	SHORT HLIF
U-238	-1.452E-01	4.222E-01	4.272E-01	FAIL ABUN
NP-239	1.965E-02	8.659E-02	8.704E-02	NOT IDENT.
PU-239	-8.817E-01	1.094E+02	1.094E+02	NOT IDENT.
AM-243	-3.477E-03	1.482E-02	1.490E-02	NOT IDENT.
CM-243	1.166E-02	3.288E-02	3.330E-02	NOT IDENT.
BK-247	2.705E-02	3.015E-02	3.252E-02	NOT IDENT.
CM-247	-6.243E-04	1.600E-02	1.600E-02	NOT IDENT.
CF-249	-6.558E-03	1.435E-02	1.465E-02	NOT IDENT.
CF-251	1.032E-02	4.807E-02	4.830E-02	NOT IDENT.
ANH-511	-9.500E-02	2.868E-02	5.154E-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	34.9647	85.43	54.9595	131.20	40.5647
45.60	46.0483	86.55	43.3372	133.02	35.1870
46.54	38.9476	86.79	43.3599	133.52	36.3163
49.72	36.6075	86.94	43.3743	136.00	36.4613
51.35	46.9152	87.09	43.3884	136.47	33.1714
51.87	35.9344	87.57	43.4340	140.51	31.1578
52.39	34.1464	88.03	43.4773	143.76	43.6167
52.97	43.4524	88.34	43.5065	144.24	47.7526
53.44	41.6631	88.47	43.5187	145.44	44.8505
54.07	36.1769	89.96	43.6584	152.43	41.9225
57.36	0.0000	1093.63	43.7217	153.25	41.9728
57.53	29.9888	91.11	43.7650	323.87	48.8481
57.98	30.0276	92.59	43.9018	156.02	47.8377
59.27	36.7312	93.35	43.9714	158.56	60.9684
59.32	36.7364	94.56	44.0820	159.00	54.9060
59.54	36.7593	94.65	44.0902	162.33	47.1203
60.96	36.9062	94.67	44.0918	162.66	47.1422
61.17	36.9277	94.87	44.1102	163.33	36.8286
62.93	37.1070	97.43	38.4977	165.86	40.0384
63.29	37.1432	98.43	48.5634	176.31	37.4844
63.58	37.1725	98.44	48.5645	176.60	43.3577
64.28	37.2427	99.53	48.6703	177.52	43.4102
66.73	38.4467	100.11	36.2857	181.07	40.8620
67.24	42.3477	102.03	44.7486	181.52	48.7484
125.81	45.2871	103.18	37.5480	184.41	58.4004
67.75	45.2953	103.37	39.6485	143.76	49.8026
68.89	28.9970	105.21	46.0719	193.51	49.0935
69.67	34.8659	105.31	56.5539	197.03	44.4959
70.82	51.4796	106.12	48.2500	198.01	45.7530
70.83	51.4812	106.47	45.1332	201.83	35.0778
72.81	50.7598	109.28	62.2554	203.43	36.3570
72.87	48.8148	111.00	45.5176	205.31	30.7699
74.66	55.8928	111.76	50.8813	210.85	39.1201
74.82	55.9146	114.06	38.3214	215.65	44.2535
74.97	55.9350	116.30	39.5447	218.12	29.5851
77.11	40.4410	116.74	41.7148	222.11	27.2415
78.74	53.4689	119.76	37.6364	227.09	27.3919
79.69	39.6945	121.12	48.5043	227.38	27.4006
80.03	45.6841	121.22	48.5129	228.16	27.4238
80.12	45.6940	121.78	41.0061	228.18	27.4245
80.19	45.7013	122.06	37.7870	116.74	27.4245
80.57	49.7192	122.92	48.6554	235.69	40.2148
81.00	43.7962	123.07	48.6677	235.96	40.2266
81.07	43.8033	265.00	42.2227	238.63	53.7871
81.75	38.8860	125.81	39.1163	238.98	53.8073
82.47	56.9269	127.23	41.3875	240.99	27.8031
83.79	42.7386	127.91	41.4351	242.00	40.4834
84.00	49.4398	129.30	42.6235	244.70	41.8663

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.40	37.5090	344.28	26.8441	563.25	18.1503
252.80	37.5243	345.93	33.3677	564.24	11.5370
254.15	0.0000	351.06	29.7806	569.33	23.5657
256.23	38.5098	351.93	27.9382	946.00	23.5684
260.90	32.6709	355.39	0.0000	569.70	23.5710
264.66	32.7915	356.01	27.0931	583.19	21.5820
264.80	32.7962	364.49	28.2111	584.27	24.8334
265.00	27.6230	366.42	26.3691	595.83	16.2933
269.46	30.3437	372.51	17.9760	427.87	28.3116
270.03	34.6981	375.05	27.4896	602.52	0.0000
271.23	37.3433	377.52	25.6404	604.72	19.6421
273.65	40.0413	356.01	26.7148	607.14	11.4720
276.40	28.7998	388.16	24.8849	609.32	16.4069
277.37	30.5737	388.63	22.0211	610.33	16.4154
277.60	33.2013	391.69	23.9888	614.28	16.4478
278.00	36.7098	264.66	26.0750	618.01	16.4789
279.20	33.2515	401.81	28.9960	620.36	16.4984
279.54	35.8875	402.40	30.9421	621.93	16.5112
279.70	35.8934	404.85	36.8071	630.19	0.0000
280.46	28.9099	410.95	20.4279	631.29	22.1175
283.69	29.8759	413.71	22.4160	633.25	12.1763
284.31	35.1685	414.70	20.4809	634.78	16.6168
285.41	39.6048	423.72	20.6078	635.95	12.1924
285.90	0.0000	427.09	17.7041	636.99	19.9614
287.50	31.7446	427.87	15.7454	657.50	10.0803
290.67	38.9118	433.94	9.8810	657.76	10.0814
293.27	0.0000	439.40	11.9001	657.90	0.0000
351.93	40.8480	440.45	15.8779	661.66	11.2227
295.96	36.4322	453.88	14.0151	664.57	0.0000
879.38	29.3920	463.37	24.1714	666.33	3.3743
299.98	33.8878	468.07	18.1824	666.50	6.7490
300.09	33.8909	473.00	13.1722	667.71	0.0000
300.13	33.8925	475.06	24.3491	677.62	13.5688
301.36	36.1609	476.78	22.3438	685.70	20.4294
302.85	22.7981	477.60	20.3231	692.65	14.8017
256.23	34.9185	482.18	18.3424	695.00	22.7962
304.85	34.9296	487.02	14.3085	696.49	19.3899
306.78	24.2227	492.35	14.3546	696.51	19.3899
308.46	20.2153	497.08	12.3389	697.00	22.8174
311.90	23.4292	505.52	27.9025	697.30	23.9617
316.51	24.4270	507.63	0.0000	697.49	25.1045
319.41	25.3938	511.00	51.8372	702.65	28.5950
320.08	21.7783	514.00	60.2373	706.68	16.0422
321.04	31.7864	514.00	60.2373	711.68	11.4844
323.87	20.0275	520.40	22.9337	720.70	10.3777
325.23	28.2527	520.69	25.0225	721.93	0.0000
328.76	30.1634	522.65	0.0000	722.78	8.0789
333.37	35.7833	527.90	18.8445	722.91	8.0792
333.97	41.3086	528.26	20.9424	723.31	9.2350
334.37	42.2406	529.59	23.0545	724.19	13.8579
338.28	22.1089	529.87	0.0000	727.33	9.2516
338.32	22.1094	531.02	15.7318	733.00	8.1151
311.90	29.5306	537.26	16.8398	735.93	6.9648
340.48	29.5306	546.56	0.0000	333.97	12.7774
340.55	29.5326	552.55	16.9837	739.50	10.4634

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
744.23	10.4850	949.00	5.6776	1384.29	7.5456
747.24	20.9971	667.71	0.0000	1408.01	9.7603
748.06	14.0029	962.31	10.4575	1434.09	3.2747
752.31	16.6586	964.08	9.5126	1435.80	1.0920
753.82	15.7923	966.17	14.2795	1457.56	0.0000
756.73	7.9060	911.20	10.4817	1460.82	4.3953
756.80	7.9060	983.53	6.1293	1489.16	1.1064
884.68	14.0981	984.45	0.0000	1505.03	5.5530
765.81	13.2271	1274.44	15.3896	1584.12	5.4302
766.42	14.9948	1001.03	7.7073	1596.21	6.3526
766.84	17.6440	1002.74	14.4594	1620.50	5.4750
772.60	0.0000	1004.73	5.7876	1621.92	6.3896
776.52	7.0862	507.63	0.0000	1678.03	0.0000
739.50	12.4081	1025.87	0.0000	1690.97	10.1943
778.90	15.0732	1028.54	0.0000	1750.46	0.0000
783.70	14.2148	1037.84	12.6786	1764.49	2.8239
788.74	19.5864	1038.76	0.0000	1063.66	7.5395
792.07	21.3962	631.29	10.7583	1771.35	4.7134
795.86	12.5004	1048.07	12.7207	1791.20	0.0000
810.06	19.7569	1049.04	6.8517	1808.65	5.6994
810.29	19.7589	1050.41	5.8755	1810.72	0.0000
344.28	18.8614	1063.66	4.9173	1836.06	8.5970
810.76	16.1691	1077.00	4.9384		
815.77	10.8010	1077.34	4.9387		
1048.07	12.6153	1085.87	3.1693		
832.01	7.2473	1093.63	4.9643		
834.85	12.6969	1099.45	5.9678		
835.71	8.1650	1112.07	10.9839		
836.80	0.0000	1112.84	9.9878		
846.75	0.0000	1115.54	6.3977		
846.77	14.5786	1120.29	6.4070		
856.80	16.0988	1120.55	6.4074		
860.56	6.2813	1221.41	6.4090		
871.09	17.4739	1129.67	10.0397		
873.19	6.4429	1131.51	0.0000		
875.33	0.0000	1147.95	0.0000		
879.38	8.8567	1173.23	13.2230		
880.51	10.3373	1177.95	8.1484		
881.60	5.9094	1189.05	8.1753		
883.24	8.8696	1204.77	6.5699		
884.68	8.8743	1221.41	4.1260		
889.28	7.4080	1231.02	9.3087		
894.76	8.3510	1235.36	9.3203		
898.04	13.0062	1238.28	11.4008		
900.72	7.4395	1260.41	0.0000		
903.28	8.3773	1271.87	6.2772		
911.20	8.4015	1274.44	7.3286		
912.08	6.5367	1274.54	7.3286		
923.98	0.0000	1291.59	6.3113		
926.50	12.2030	1298.22	0.0000		
929.11	8.4562	1312.11	8.4614		
935.54	10.3592	1332.49	2.1270		
937.49	11.3090	1362.66	0.0000		
944.13	4.7232	1365.19	7.5084		
946.00	6.6168	1368.63	0.0000		

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 07:04:24.61

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*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205581250.CNF;1
Background file  : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM12.CNF;1011
                                     Background date  : 11-DEC-2023 08:21:56
Sample date      : 13-NOV-2023 12:00:00 Acquisition date : 13-DEC-2023 05:03:21
Sample ID        : G1205581250          Sample quantity  : 1.33160E+02 GRAM
Detector name    : GAM12                Detector geometry: CAN
Elapsed live time: 0 02:00:00.00        Elapsed real time: 0 02:00:01.04  0.0%
Energy tolerance : 1.50000 keV          Analyst Initials : RXF2
Abundance limit  : 75.00000             Sensitivity      : 3.00000
Batch ID         : 2529194              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	37.38*	165	240	3.73	74.69	69	15	2.30E-02	22.9	
2	3	74.87	183	372	1.37	149.67	146	13	2.54E-02	19.7	1.49E+00
3	3	77.30*	329	337	1.35	154.52	146	13	4.56E-02	11.8	
4	1	84.18*	56	418	1.69	168.26	161	29	7.73E-03	67.2	2.19E+00
5	1	87.20*	71	386	1.69	174.31	161	29	9.84E-03	54.1	
6	1	89.89	108	286	1.41	179.69	161	29	1.49E-02	30.0	
7	1	92.70*	162	319	1.61	185.31	161	29	2.25E-02	24.9	
8	0	144.65*	67	260	2.25	289.18	284	11	9.33E-03	49.3	
9	0	185.81*	206	271	1.74	371.47	366	12	2.86E-02	18.1	
10	0	209.02	90	146	1.65	417.89	414	8	1.25E-02	25.7	
11	3	238.44*	724	205	1.46	476.71	471	18	1.01E-01	5.2	4.92E-01
12	3	241.76	267	190	1.86	483.35	471	18	3.71E-02	13.4	
13	0	269.88	39	107	0.89	539.59	536	7	5.48E-03	46.3	
14	0	276.57	33	107	1.12	552.96	550	7	4.53E-03	55.6	
15	4	294.93	480	112	1.53	589.68	580	25	6.67E-02	6.0	1.08E+00
16	4	299.29	89	122	2.51	598.41	580	25	1.23E-02	31.3	
17	0	337.78*	65	164	1.39	675.37	672	10	9.06E-03	39.4	
18	0	351.63*	730	148	1.40	703.07	697	13	1.01E-01	5.1	
19	0	411.06	55	166	3.83	821.92	811	21	7.70E-03	59.9	
20	0	462.60	33	57	1.58	925.00	920	9	4.65E-03	44.0	
21	0	485.95	46	44	4.40	971.72	966	12	6.37E-03	32.7	
22	0	511.10*	73	127	2.19	1022.02	1013	21	1.02E-02	44.8	
23	0	568.84	104	91	0.72	1137.52	1128	20	1.45E-02	24.8	
24	0	582.77*	213	84	1.72	1165.37	1156	17	2.96E-02	12.3	
25	0	608.87	565	56	1.40	1217.59	1210	15	7.84E-02	5.1	
26	0	631.50	31	59	3.64	1262.86	1254	18	4.30E-03	60.7	
27	0	641.46	22	31	0.60	1282.78	1276	10	3.03E-03	54.3	
28	0	727.54	59	53	2.23	1454.99	1449	13	8.22E-03	28.9	
29	0	742.54	23	27	1.14	1485.01	1481	9	3.13E-03	46.7	
30	0	772.69	12	25	1.08	1545.33	1541	7	1.63E-03	78.9	
31	0	795.19	24	36	1.31	1590.35	1584	13	3.33E-03	55.4	
32	0	830.58	19	20	3.79	1661.16	1655	10	2.64E-03	49.7	
33	0	860.85	61	36	2.30	1721.72	1715	19	8.53E-03	27.1	
34	0	876.52	12	30	0.56	1753.06	1746	11	1.66E-03	96.6	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
35	0	910.99*	146	26	1.43	1822.05	1814	15	2.03E-02	11.6	
36	0	933.63	34	36	1.53	1867.34	1860	13	4.75E-03	39.9	
37	0	964.66	30	29	2.07	1929.45	1923	11	4.18E-03	39.6	
38	0	968.75	90	20	1.99	1937.62	1933	10	1.25E-02	14.1	
39	1	1000.45*	24	26	2.24	2001.06	1990	26	3.37E-03	47.2	2.51E+00
40	1	1003.42	17	24	2.03	2007.00	1990	26	2.39E-03	61.9	
41	0	1061.55	14	38	3.01	2123.33	2108	17	1.96E-03	103.7	
42	0	1119.90	110	39	2.76	2240.11	2233	14	1.52E-02	15.4	
43	0	1158.56	17	39	2.98	2317.49	2303	17	2.36E-03	90.5	
44	0	1189.75	12	15	0.94	2379.93	2374	11	1.60E-03	69.5	
45	0	1230.12	12	27	5.14	2460.72	2452	15	1.70E-03	95.6	
46	0	1238.03	44	29	2.10	2476.55	2470	17	6.13E-03	32.0	
47	0	1377.20	42	19	1.51	2755.16	2750	11	5.84E-03	25.4	
48	0	1400.42	28	0	3.21	2801.64	2795	13	3.89E-03	18.9	
49	0	1408.06	28	3	4.37	2816.93	2810	14	3.85E-03	23.7	
50	0	1418.13	11	10	4.27	2837.09	2827	14	1.53E-03	69.1	
51	0	1441.26	18	3	1.40	2883.41	2876	14	2.46E-03	32.6	
52	0	1460.12*	107	20	1.69	2921.16	2914	16	1.48E-02	14.0	
53	0	1537.07	20	6	2.43	3075.23	3068	14	2.72E-03	36.3	
54	0	1544.91	7	5	0.86	3090.93	3084	10	9.72E-04	70.7	
55	0	1559.40	15	0	0.96	3119.93	3115	11	2.08E-03	25.8	
56	0	1588.08	9	24	0.87	3177.36	3172	13	1.26E-03	113.8	
57	0	1621.77	17	11	0.81	3244.83	3236	15	2.34E-03	49.8	
58	0	1763.40	103	4	1.50	3528.45	3521	15	1.44E-02	10.6	
59	0	1907.14	11	3	4.51	3816.34	3809	14	1.51E-03	47.0	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 13-DEC-2023 07:04:26

Configuration : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205581250.CNF;1
Analyses by : PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4,INTERF V2.4
Sample title : RXF2
Sample date : 13-NOV-2023 12:00:00 Acquisition date : 13-DEC-2023 05:03:21
Sample ID : G1205581250 Sample quantity : 133.16 GRAM
Sample type : SOLID Sample geometry :
Detector name : GAMMA12 Detector geometry: CAN
Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:01.04 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*	1.082E+00	2.491E+00	2.491E+00	28.09	OK
CD-109	88.03	3.70*	4.328E+00	1.453E+00	1.520E+00	108.16	OK
SN-126	64.28	9.60	2.090E+00	----- Line Not Found		-----	Absent
	86.94	8.90	4.328E+00	6.041E-01	6.041E-01	108.16	OK
	87.57	37.00*	4.328E+00	1.453E-01	1.453E-01	108.16	OK
CE-141	145.44	48.29*	5.810E+00	2.456E-02	4.632E-02	313.47	OK
TL-208	277.37	6.60	4.139E+00	3.634E-01	3.634E-01	111.28	OK
	583.19	85.00*	2.289E+00	3.156E-01	3.156E-01	24.63	OK
	860.56	12.50	1.668E+00	8.254E-01	8.254E-01	54.23	OK
BI-211	72.87	1.23	3.022E+00	----- Line Not Found		-----	Absent
	351.06	12.92*	3.434E+00	4.919E+00	4.919E+00	10.24	OK
BI-212	727.33	6.67*	1.913E+00	1.316E+00	1.316E+00	57.70	OK
	1620.50	1.47	9.970E-01	3.066E+00	3.066E+00	99.50	OK
PB-212	74.82	10.28	3.228E+00	1.824E+00	1.824E+00	39.42	OK
	77.11	17.10	3.470E+00	1.833E+00	1.833E+00	23.53	OK
	238.63	43.60*	4.607E+00	1.108E+00	1.108E+00	10.45	OK
	300.09	3.30	3.897E+00	2.085E+00	2.085E+00	62.52	OK
BI-214	609.32	45.49*	2.209E+00	1.615E+00	1.615E+00	10.21	OK
	1120.29	14.92	1.344E+00	1.500E+00	1.500E+00	30.71	OK
	1764.49	15.30	9.363E-01	1.912E+00	1.912E+00	21.29	OK
PB-214	74.82	5.80	3.228E+00	3.233E+00	3.233E+00	39.42	OK
	77.11	9.70	3.470E+00	3.231E+00	3.231E+00	23.53	OK
	87.09	3.41	4.328E+00	1.577E+00	1.577E+00	108.16	OK
	242.00	7.25	4.563E+00	2.475E+00	2.475E+00	26.89	OK
	295.22	18.42	3.942E+00	2.003E+00	2.003E+00	12.03	OK
	351.93	35.60*	3.434E+00	1.785E+00	1.785E+00	10.24	OK
RN-222	609.32	45.49*	2.209E+00	1.615E+00	1.615E+00	10.21	OK
	1120.29	14.92	1.344E+00	1.500E+00	1.500E+00	30.71	OK
	1764.49	15.30	9.363E-01	1.912E+00	1.912E+00	21.29	OK
RA-224	240.99	4.10*	4.563E+00	4.377E+00	4.377E+00	26.89	OK
RA-226	74.82	5.80	3.228E+00	3.233E+00	3.233E+00	39.42	OK
	77.11	9.70	3.470E+00	3.231E+00	3.231E+00	23.53	OK
	87.09	3.41	4.328E+00	1.577E+00	1.577E+00	108.16	OK
	242.00	7.25	4.563E+00	2.475E+00	2.475E+00	26.89	OK
	295.22	18.42	3.942E+00	2.003E+00	2.003E+00	12.03	OK
	351.93	35.60*	3.434E+00	1.785E+00	1.785E+00	10.24	OK
AC-228	105.21	1.10	5.335E+00	----- Line Not Found		-----	Absent
	338.32	11.27	3.546E+00	4.893E-01	4.893E-01	78.83	OK
	835.71	1.61	1.709E+00	----- Line Not Found		-----	Absent
	911.20	25.80*	1.593E+00	9.915E-01	9.915E-01	23.16	OK
	968.97	15.80	1.514E+00	1.041E+00	1.041E+00	28.22	OK
RA-228	105.21	1.10	5.335E+00	----- Line Not Found		-----	Absent
	338.32	11.27	3.546E+00	4.893E-01	4.893E-01	78.83	OK
	835.71	1.61	1.709E+00	----- Line Not Found		-----	Absent
	911.20	25.80*	1.593E+00	9.915E-01	9.915E-01	23.16	OK
	968.97	15.80	1.514E+00	1.041E+00	1.041E+00	28.22	OK
TH-228	74.82	10.28	3.228E+00	1.824E+00	1.824E+00	39.42	OK
	77.11	17.10	3.470E+00	1.833E+00	1.833E+00	23.53	OK
	238.63	43.60*	4.607E+00	1.108E+00	1.108E+00	10.45	OK

Nuclide Type:

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error	Status
	300.09	3.30	3.897E+00	2.085E+00	2.085E+00	62.52	OK
TH-229	85.43	14.70	4.089E+00	3.048E-01	3.048E-01	134.33	OK
	88.47	24.00	4.328E+00	2.240E-01	2.240E-01	108.16	OK
	193.51	4.41*	5.245E+00	----- Line Not Found		-----	Absent
	210.85	2.80	4.992E+00	----- Line Not Found		-----	Absent
TH-230	74.82	5.80	3.228E+00	3.233E+00	3.233E+00	39.42	OK
	77.11	9.70	3.470E+00	3.231E+00	3.231E+00	23.53	OK
	87.09	3.41	4.328E+00	1.577E+00	1.577E+00	108.16	OK
	242.00	7.25	4.563E+00	2.475E+00	2.475E+00	26.89	OK
	295.22	18.42	3.942E+00	2.003E+00	2.003E+00	12.03	OK
	351.93	35.60*	3.434E+00	1.785E+00	1.785E+00	10.24	OK
TH-232	105.21	1.10	5.335E+00	----- Line Not Found		-----	Absent
	338.32	11.27	3.546E+00	4.893E-01	4.893E-01	78.83	OK
	835.71	1.61	1.709E+00	----- Line Not Found		-----	Absent
	911.20	25.80*	1.593E+00	9.915E-01	9.915E-01	23.16	OK
	968.97	15.80	1.514E+00	1.041E+00	1.041E+00	28.22	OK
U-234	74.82	5.80	3.228E+00	3.233E+00	3.233E+00	39.42	OK
	77.11	9.70	3.470E+00	3.231E+00	3.231E+00	23.53	OK
	87.09	3.41	4.328E+00	1.577E+00	1.577E+00	108.16	OK
	242.00	7.25	4.563E+00	2.475E+00	2.475E+00	26.89	OK
	295.22	18.42	3.942E+00	2.003E+00	2.003E+00	12.03	OK
	351.93	35.60*	3.434E+00	1.785E+00	1.785E+00	10.24	OK
U-235	89.96	3.47	4.524E+00	2.246E+00	2.246E+00	59.95	OK
	93.35	5.60	4.710E+00	2.007E+00	2.007E+00	49.71	OK
	143.76	10.96*	5.814E+00	----- Line Not Found		-----	<<INT Reject
	163.33	5.08	5.651E+00	----- Line Not Found		-----	Absent
	185.72	57.20	5.356E+00	2.103E-01	2.103E-01	36.19	OK
	205.31	5.01	5.073E+00	----- Line Not Found		-----	Absent
AM-243	43.53	5.90	2.847E-01	----- Line Not Found		-----	Absent
	74.66	67.20*	3.228E+00	2.791E-01	2.791E-01	39.42	OK
ANH-511	511.00	100.00*	2.544E+00	8.380E-02	8.380E-02	89.56	OK

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 07:04:27.10

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205581250.CNF;1  *
* Acquisition date : 13-DEC-2023 05:03:21 Sensitivity     : 3.000       *
* Detector ID      : GAM12                Energy tolerance: 1.500       *
* Elapsed live time:    0 02:00:00.00     Abundance limit : 75.000      *
* Elapsed real time:    0 02:00:01.04     Half life ratio : *****       *
* Sample date      : 13-NOV-2023 12:00:00 Analyst initials: RXF2        *
* Sample ID        : G1205581250          Sample Quantity : 1.3316E+02 GRAM  *
* Batch Number     : 2529194              Wet Weight      :    0.00000  *
* Wet wt corr      :    1.00000           Dry Weight      :    0.00000  *
* Nuclide Library  : SOLID.NLB;17                                       *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 11-OCT-2023 07:18:34 Eff. Geometry   : CAN         *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM12_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	2.491E+00	6.859E-01	4.604E-01
CD-109	1.520E+00	1.611E+00	1.430E+00
SN-126	1.453E-01	1.540E-01	1.378E-01
CE-141	4.632E-02	1.423E-01	1.331E-01
TL-208	3.156E-01	7.615E-02	5.274E-02
BI-211	4.919E+00	4.936E-01	2.990E-01
BI-212	1.316E+00	7.441E-01	6.746E-01
PB-212	1.108E+00	1.134E-01	8.833E-02
BI-214	1.615E+00	1.617E-01	9.407E-02
PB-214	1.785E+00	1.791E-01	1.087E-01
RN-222	1.615E+00	1.617E-01	9.407E-02
RA-224	4.377E+00	1.153E+00	9.460E-01
RA-226	1.785E+00	1.791E-01	1.087E-01
AC-228	9.915E-01	2.251E-01	1.700E-01
RA-228	9.915E-01	2.251E-01	1.700E-01
TH-228	1.108E+00	1.134E-01	8.833E-02
TH-229	-3.903E-01	4.656E-01	7.892E-01
TH-230	1.785E+00	1.791E-01	1.087E-01
TH-232	9.915E-01	2.251E-01	1.700E-01
U-234	1.785E+00	1.791E-01	1.087E-01
U-235	3.353E-01	3.241E-01	3.287E-01
AM-243	2.791E-01	1.078E-01	1.113E-01
ANH-511	8.380E-02	7.355E-02	3.971E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	9.390E-02	2.875E-01	5.602E-01	NOT IDENT.
NA-22	-3.115E-03	2.885E-02	5.349E-02	NOT IDENT.
NA-24	0.000E+00	4.399E+12	0.000E+00	SHORT HLIF
AL-26	-5.925E-03	2.085E-02	4.130E-02	NOT IDENT.
SC-46	5.339E-04	3.136E-02	5.943E-02	FAIL ABUN
V-48	5.355E-02	7.639E-02	1.625E-01	NOT IDENT.
CR-51	-2.671E-01	4.366E-01	7.342E-01	NOT IDENT.

MN-52	-2.865E-01	1.150E+00	1.915E+00	NOT IDENT.
MN-54	-2.653E-02	3.359E-02	4.830E-02	NOT IDENT.
CO-56	1.326E-02	3.546E-02	6.891E-02	FAIL ABUN
MN-56	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CO-57	-1.954E-02	2.429E-02	4.207E-02	NOT IDENT.
CO-58	4.050E-04	3.022E-02	5.760E-02	NOT IDENT.
FE-59	9.665E-04	7.582E-02	1.431E-01	NOT IDENT.
CO-60	6.110E-03	2.866E-02	5.580E-02	NOT IDENT.
ZN-65	2.073E-02	6.148E-02	1.091E-01	NOT IDENT.
GE-68	5.750E-01	8.637E-01	1.778E+00	NOT IDENT.
AS-73	2.661E-02	1.377E+00	2.559E+00	NOT IDENT.
AS-74	-1.422E-02	1.251E-01	2.334E-01	NOT IDENT.
SE-75	2.060E-02	4.234E-02	7.394E-02	NOT IDENT.
BR-77	0.000E+00	1.256E+03	0.000E+00	SHORT HLIF
SR-82	1.922E-01	3.760E-01	6.798E-01	NOT IDENT.
RB-83	1.814E-04	5.986E-02	1.100E-01	NOT IDENT.
RB-84	3.753E-02	7.145E-02	1.346E-01	NOT IDENT.
KR-85	1.034E+01	5.835E+00	1.224E+01	NOT IDENT.
SR-85	6.375E-02	3.605E-02	7.560E-02	NOT IDENT.
RB-86	7.297E-01	8.987E-01	1.882E+00	NOT IDENT.
Y-88	6.161E-04	2.960E-02	6.115E-02	NOT IDENT.
Y-91	-7.273E-01	1.390E+01	2.626E+01	NOT IDENT.
NB-94	-1.375E-03	2.485E-02	4.643E-02	NOT IDENT.
NB-95	-1.025E-02	4.137E-02	7.494E-02	NOT IDENT.
NB-95M	2.330E-01	1.395E-01	2.446E-01	NOT IDENT.
ZR-95	-2.083E-02	6.207E-02	1.127E-01	NOT IDENT.
NB-97	0.000E+00	1.673E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	2.556E+12	0.000E+00	SHORT HLIF
MO-99	0.000E+00	4.441E+02	0.000E+00	SHORT HLIF
TC-99M	0.000E+00	1.222E+34	0.000E+00	SHORT HLIF
RH-101	8.637E-03	2.964E-02	5.407E-02	NOT IDENT.
RH-102	7.498E-02	8.925E-02	8.400E-02	FAIL ABUN
RU-103	7.959E-03	4.181E-02	7.997E-02	FAIL ABUN
RH-106	1.170E-01	1.994E-01	4.079E-01	NOT IDENT.
RU-106	1.170E-01	1.994E-01	4.079E-01	NOT IDENT.
AG-108M	4.836E-04	2.200E-02	4.183E-02	NOT IDENT.
AG-110	-2.373E-01	5.394E-01	9.749E-01	NOT IDENT.
AG-110M	-3.886E-03	3.722E-02	6.937E-02	NOT IDENT.
SN-113	-2.149E-04	3.822E-02	7.227E-02	NOT IDENT.
CD-115	0.000E+00	7.540E+02	0.000E+00	SHORT HLIF
SN-117M	-5.593E-02	9.774E-02	1.697E-01	NOT IDENT.
SB-122	0.000E+00	7.812E+01	0.000E+00	SHORT HLIF
TE-123M	-1.333E-02	2.603E-02	4.534E-02	NOT IDENT.
SB-124	-2.214E-02	8.230E-02	1.489E-01	NOT IDENT.
SB-125	-8.645E-03	7.048E-02	1.322E-01	FAIL ABUN
TE-125M	-3.418E+00	1.043E+01	1.860E+01	NOT IDENT.
I-126	-1.821E-02	3.746E-01	6.996E-01	NOT IDENT.
SB-126	2.001E-03	2.620E-01	4.750E-01	NOT IDENT.
SB-127	-2.111E+00	1.347E+01	2.503E+01	NOT IDENT.
I-131	-2.628E-01	2.968E-01	5.280E-01	NOT IDENT.
I-132	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
TE-132	-5.428E+00	1.370E+01	2.373E+01	NOT IDENT.
BA-133	-4.132E-03	3.932E-02	6.081E-02	FAIL ABUN
I-133	0.000E+00	4.903E+08	0.000E+00	SHORT HLIF
CS-134	4.565E-02	4.954E-02	6.473E-02	FAIL ABUN
I-135	0.000E+00	4.117E+31	0.000E+00	SHORT HLIF
CS-136	-4.175E-02	1.690E-01	3.065E-01	NOT IDENT.
BA-137M	-1.440E-02	2.891E-02	4.865E-02	NOT IDENT.
CS-137	-1.521E-02	3.054E-02	5.139E-02	NOT IDENT.
LA-138	2.520E-02	3.878E-02	7.749E-02	NOT IDENT.
CE-139	3.787E-04	2.661E-02	4.767E-02	NOT IDENT.
BA-140	-2.720E-02	4.283E-01	8.084E-01	NOT IDENT.
LA-140	-2.151E-02	1.424E-01	2.648E-01	FAIL ABUN
CE-143	0.000E+00	2.228E+05	0.000E+00	SHORT HLIF
CE-144	-8.742E-03	1.821E-01	3.269E-01	NOT IDENT.
PM-144	-1.784E-02	2.428E-02	4.226E-02	NOT IDENT.
PR-144	-1.350E+00	1.831E+00	3.185E+00	NOT IDENT.
PM-146	-7.355E-03	3.344E-02	6.211E-02	NOT IDENT.
ND-147	-3.326E-01	1.006E+00	1.855E+00	FAIL ABUN
PM-147	1.646E+02	6.752E+02	1.235E+03	NOT IDENT.
PM-149	0.000E+00	7.721E+03	0.000E+00	SHORT HLIF
EU-150	-6.940E-04	2.648E-02	4.123E-02	NOT IDENT.
EU-152	-9.842E-02	8.150E-02	1.292E-01	FAIL ABUN
GD-153	-5.912E-02	8.835E-02	1.473E-01	NOT IDENT.
EU-154	-4.726E-03	8.179E-02	1.526E-01	FAIL ABUN
EU-155	4.195E-02	9.717E-02	1.802E-01	FAIL ABUN
TB-160	-5.840E-02	1.288E-01	1.963E-01	FAIL ABUN
HO-166M	1.744E-02	4.348E-02	8.542E-02	FAIL ABUN

TM-171	1.580E+01	2.648E+01	5.059E+01	NOT IDENT.
HF-172	8.518E-02	1.784E-01	3.286E-01	NOT IDENT.
LU-172	-3.851E-02	4.435E-02	7.305E-02	FAIL ABUN
LU-176	-1.733E-02	2.181E-02	3.618E-02	FAIL ABUN
HF-181	1.333E-02	4.388E-02	7.655E-02	NOT IDENT.
TA-182	3.913E-02	1.171E-01	2.273E-01	FAIL ABUN
RE-183	-1.517E-01	3.000E-01	5.415E-01	NOT IDENT.
RE-184	9.925E-02	1.272E-01	2.467E-01	NOT IDENT.
W-188	8.090E-01	8.147E+00	1.288E+01	NOT IDENT.
IR-192	-2.396E-02	3.267E-02	5.440E-02	FAIL ABUN
HG-203	-3.238E-02	4.625E-02	6.789E-02	NOT IDENT.
TL-204	1.026E-01	6.446E+00	1.055E+01	NOT IDENT.
BI-207	-1.054E-02	4.142E-02	6.498E-02	FAIL ABUN
BI-210	1.720E+00	5.808E+00	1.096E+01	NOT IDENT.
PB-210	1.720E+00	5.808E+00	1.096E+01	NOT IDENT.
PB-211	-3.984E-01	6.451E-01	1.009E+00	FAIL ABUN
BI-213	-2.120E-02	7.804E-02	1.448E-01	NOT IDENT.
RN-219	1.997E-01	3.469E-01	6.588E-01	FAIL ABUN
RA-223	4.302E-02	5.290E-01	9.392E-01	FAIL ABUN
AC-225	-9.316E-03	1.402E+00	2.485E+00	NOT IDENT.
AC-227	-2.008E-01	2.099E-01	3.475E-01	FAIL ABUN
TH-227	-2.008E-01	2.099E-01	3.475E-01	FAIL ABUN
PA-231	2.856E-01	4.362E-01	7.268E-01	NOT IDENT.
TH-231	4.302E-02	5.290E-01	9.392E-01	FAIL ABUN
PA-233	-4.671E-02	5.482E-02	9.046E-02	FAIL ABUN
PA-234	8.454E-02	2.151E-01	4.243E-01	FAIL ABUN
PA-234M	5.427E+00	5.016E+00	6.920E+00	FAIL ABUN
TH-234	3.786E-01	1.703E+00	3.101E+00	FAIL ABUN
NP-237	-4.671E-02	5.482E-02	9.046E-02	FAIL ABUN
NP-238	0.000E+00	1.523E+03	0.000E+00	SHORT HLIF
U-238	3.786E-01	1.703E+00	3.101E+00	FAIL ABUN
NP-239	-2.060E-01	2.519E-01	4.366E-01	FAIL ABUN
PU-239	2.962E+01	3.145E+02	5.681E+02	NOT IDENT.
AM-241	-6.963E-02	1.965E-01	3.569E-01	NOT IDENT.
CM-243	-2.996E-02	1.010E-01	1.807E-01	FAIL ABUN
BK-247	3.857E-02	7.032E-02	1.233E-01	FAIL ABUN
CM-247	2.163E-02	3.216E-02	5.955E-02	FAIL ABUN
CF-249	-1.910E-02	3.203E-02	5.804E-02	NOT IDENT.
CF-251	-5.475E-02	1.127E-01	1.956E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 07:04:25.58

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	102	10.66*	1.082E+00	2.491E+00	2.491E+00	28.09
CD-109	88.03	83	3.70*	4.328E+00	1.453E+00	1.520E+00	108.16
SN-126	64.28	------	9.60	2.090E+00	------ Line Not Found		------
	86.94	83	8.90	4.328E+00	6.041E-01	6.041E-01	108.16
	87.57	83	37.00*	4.328E+00	1.453E-01	1.453E-01	108.16
CE-141	145.44	76	48.29*	5.810E+00	7.610E-02	1.435E-01	98.63
TL-208	277.37	35	6.60	4.139E+00	3.634E-01	3.634E-01	111.28
	583.19	218	85.00*	2.289E+00	3.156E-01	3.156E-01	24.63
	860.56	61	12.50	1.668E+00	8.254E-01	8.254E-01	54.23
BI-211	72.87	------	1.23	3.022E+00	------ Line Not Found		------
	351.06	774	12.92*	3.434E+00	4.919E+00	4.919E+00	10.24
BI-212	727.33	60	6.67*	1.913E+00	1.316E+00	1.316E+00	57.70
	1620.50	16	1.47	9.970E-01	3.066E+00	3.066E+00	99.50
PB-212	74.82	215	10.28	3.228E+00	1.824E+00	1.824E+00	39.42
	77.11	386	17.10	3.470E+00	1.833E+00	1.833E+00	23.53
	238.63	789	43.60*	4.607E+00	1.108E+00	1.108E+00	10.45
	300.09	95	3.30	3.897E+00	2.085E+00	2.085E+00	62.52
BI-214	609.32	576	45.49*	2.209E+00	1.615E+00	1.615E+00	10.21
	1120.29	107	14.92	1.344E+00	1.500E+00	1.500E+00	30.71
	1764.49	97	15.30	9.363E-01	1.912E+00	1.912E+00	21.29
PB-214	74.82	215	5.80	3.228E+00	3.233E+00	3.233E+00	39.42
	77.11	386	9.70	3.470E+00	3.231E+00	3.231E+00	23.53
	87.09	83	3.41	4.328E+00	1.577E+00	1.577E+00	108.16
	242.00	291	7.25	4.563E+00	2.475E+00	2.475E+00	26.89
	295.22	516	18.42	3.942E+00	2.003E+00	2.003E+00	12.03
	351.93	774	35.60*	3.434E+00	1.785E+00	1.785E+00	10.24
RN-222	609.32	576	45.49*	2.209E+00	1.615E+00	1.615E+00	10.21
	1120.29	107	14.92	1.344E+00	1.500E+00	1.500E+00	30.71
	1764.49	97	15.30	9.363E-01	1.912E+00	1.912E+00	21.29
RA-224	240.99	291	4.10*	4.563E+00	4.377E+00	4.377E+00	26.89
RA-226	74.82	215	5.80	3.228E+00	3.233E+00	3.233E+00	39.42
	77.11	386	9.70	3.470E+00	3.231E+00	3.231E+00	23.53
	87.09	83	3.41	4.328E+00	1.577E+00	1.577E+00	108.16
	242.00	291	7.25	4.563E+00	2.475E+00	2.475E+00	26.89
	295.22	516	18.42	3.942E+00	2.003E+00	2.003E+00	12.03
	351.93	774	35.60*	3.434E+00	1.785E+00	1.785E+00	10.24
AC-228	105.21	------	1.10	5.335E+00	------ Line Not Found		------
	338.32	69	11.27	3.546E+00	4.893E-01	4.893E-01	78.83
	835.71	------	1.61	1.709E+00	------ Line Not Found		------
	911.20	145	25.80*	1.593E+00	9.915E-01	9.915E-01	23.16
	968.97	88	15.80	1.514E+00	1.041E+00	1.041E+00	28.22
RA-228	105.21	------	1.10	5.335E+00	------ Line Not Found		------
	338.32	69	11.27	3.546E+00	4.893E-01	4.893E-01	78.83
	835.71	------	1.61	1.709E+00	------ Line Not Found		------
	911.20	145	25.80*	1.593E+00	9.915E-01	9.915E-01	23.16
	968.97	88	15.80	1.514E+00	1.041E+00	1.041E+00	28.22
TH-228	74.82	215	10.28	3.228E+00	1.824E+00	1.824E+00	39.42

Nuclide Type:

Nuclide	Energy	Area	%Abn	%Eff	Uncorrected pCi/GRAM	Decay Corr pCi/GRAM	2-Sigma %Error
	77.11	386	17.10	3.470E+00	1.833E+00	1.833E+00	23.53
	238.63	789	43.60*	4.607E+00	1.108E+00	1.108E+00	10.45
	300.09	95	3.30	3.897E+00	2.085E+00	2.085E+00	62.52
TH-229	85.43	65	14.70	4.089E+00	3.048E-01	3.048E-01	134.33
	88.47	83	24.00	4.328E+00	2.240E-01	2.240E-01	108.16
	193.51	------	4.41*	5.245E+00	------ Line Not Found		------
	210.85	------	2.80	4.992E+00	------ Line Not Found		------
TH-230	74.82	215	5.80	3.228E+00	3.233E+00	3.233E+00	39.42
	77.11	386	9.70	3.470E+00	3.231E+00	3.231E+00	23.53
	87.09	83	3.41	4.328E+00	1.577E+00	1.577E+00	108.16
	242.00	291	7.25	4.563E+00	2.475E+00	2.475E+00	26.89
	295.22	516	18.42	3.942E+00	2.003E+00	2.003E+00	12.03
	351.93	774	35.60*	3.434E+00	1.785E+00	1.785E+00	10.24
TH-232	105.21	------	1.10	5.335E+00	------ Line Not Found		------
	338.32	69	11.27	3.546E+00	4.893E-01	4.893E-01	78.83
	835.71	------	1.61	1.709E+00	------ Line Not Found		------
	911.20	145	25.80*	1.593E+00	9.915E-01	9.915E-01	23.16
	968.97	88	15.80	1.514E+00	1.041E+00	1.041E+00	28.22
U-234	74.82	215	5.80	3.228E+00	3.233E+00	3.233E+00	39.42
	77.11	386	9.70	3.470E+00	3.231E+00	3.231E+00	23.53
	87.09	83	3.41	4.328E+00	1.577E+00	1.577E+00	108.16
	242.00	291	7.25	4.563E+00	2.475E+00	2.475E+00	26.89
	295.22	516	18.42	3.942E+00	2.003E+00	2.003E+00	12.03
	351.93	774	35.60*	3.434E+00	1.785E+00	1.785E+00	10.24
U-235	89.96	125	3.47	4.524E+00	2.246E+00	2.246E+00	59.95
	93.35	188	5.60	4.710E+00	2.007E+00	2.007E+00	49.71
	143.76	76	10.96*	5.810E+00	3.353E-01	3.353E-01	98.63
	163.33	------	5.08	5.651E+00	------ Line Not Found		------
	185.72	229	57.20	5.356E+00	2.103E-01	2.103E-01	36.19
	205.31	------	5.01	5.073E+00	------ Line Not Found		------
AM-243	43.53	------	5.90	2.847E-01	------ Line Not Found		------
	74.66	215	67.20*	3.228E+00	2.791E-01	2.791E-01	39.42
ANH-511	511.00	76	100.00*	2.544E+00	8.380E-02	8.380E-02	89.56

Flag: "*" = Keyline

Sample ID : G1205581250 Acquisition date : 13-DEC-2023 05:03:21

Total number of lines in spectrum	59	
Number of unidentified lines	16	
Number of lines tentatively identified by NID	43	72.88%

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	2.491E+00	2.491E+00	0.700E+00	28.09	
CD-109	461.40D	1.05	1.453E+00	1.520E+00	1.643E+00	108.16	
SN-126	2.30E+05Y	1.00	1.453E-01	1.453E-01	1.572E-01	108.16	
CE-141	32.51D	1.89	7.610E-02	1.435E-01	1.415E-01	98.63	
TL-208	1.41E+10Y	1.00	3.156E-01	3.156E-01	0.777E-01	24.63	
BI-211	7.04E+08Y	1.00	4.919E+00	4.919E+00	0.504E+00	10.24	
BI-212	1.41E+10Y	1.00	1.316E+00	1.316E+00	0.759E+00	57.70	
PB-212	1.41E+10Y	1.00	1.108E+00	1.108E+00	0.116E+00	10.45	
BI-214	1600.00Y	1.00	1.615E+00	1.615E+00	0.165E+00	10.21	
PB-214	1600.00Y	1.00	1.785E+00	1.785E+00	0.183E+00	10.24	
RN-222	1600.00Y	1.00	1.615E+00	1.615E+00	0.165E+00	10.21	
RA-224	1.41E+10Y	1.00	4.377E+00	4.377E+00	1.177E+00	26.89	
RA-226	1600.00Y	1.00	1.785E+00	1.785E+00	0.183E+00	10.24	
AC-228	1.41E+10Y	1.00	9.915E-01	9.915E-01	2.297E-01	23.16	
RA-228	1.41E+10Y	1.00	9.915E-01	9.915E-01	2.297E-01	23.16	
TH-228	1.41E+10Y	1.00	1.108E+00	1.108E+00	0.116E+00	10.45	
TH-229	7340.00Y	1.00	2.240E-01	2.240E-01	2.423E-01	108.16	K
TH-230	7.54E+04Y	1.00	1.785E+00	1.785E+00	0.183E+00	10.24	
TH-232	1.41E+10Y	1.00	9.915E-01	9.915E-01	2.297E-01	23.16	
U-234	2.45E+05Y	1.00	1.785E+00	1.785E+00	0.183E+00	10.24	
U-235	7.04E+08Y	1.00	3.353E-01	3.353E-01	3.307E-01	98.63	
AM-243	7370.00Y	1.00	2.791E-01	2.791E-01	1.100E-01	39.42	
ANH-511	1.00E+09Y	1.00	8.380E-02	8.380E-02	7.505E-02	89.56	
	Total Activity :		3.158E+01	3.171E+01			

Grand Total Activity : 3.158E+01 3.171E+01

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

Sample ID : G1205581250 Acquisition date : 13-DEC-2023 05:03:21

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
0	37.38	203	294	3.73	74.69	69	15	2.30E-02	45.9	8.27E-02	
0	209.02	99	161	1.65	417.89	414	8	1.25E-02	51.4	5.02E+00	
0	269.88	43	115	0.89	539.59	536	7	5.48E-03	92.5	4.22E+00	T
0	411.06	58	174	3.83	821.92	811	21	7.70E-03	****	3.03E+00	T
0	462.60	35	59	1.58	925.00	920	9	4.65E-03	87.9	2.76E+00	T
0	485.95	48	46	4.40	971.72	966	12	6.37E-03	65.4	2.65E+00	T
0	568.84	107	93	0.72	1137.52	1128	20	1.45E-02	49.7	2.33E+00	T
0	631.50	31	60	3.64	1262.86	1254	18	4.30E-03	****	2.15E+00	T
0	641.46	22	32	0.60	1282.78	1276	10	3.03E-03	****	2.12E+00	
0	742.54	23	28	1.14	1485.01	1481	9	3.13E-03	93.5	1.88E+00	
0	772.69	12	25	1.08	1545.33	1541	7	1.63E-03	****	1.82E+00	T
0	795.19	24	36	1.31	1590.35	1584	13	3.33E-03	****	1.78E+00	T
0	830.58	19	20	3.79	1661.16	1655	10	2.64E-03	99.3	1.72E+00	T
0	876.52	12	30	0.56	1753.06	1746	11	1.66E-03	****	1.64E+00	T
0	933.63	34	35	1.53	1867.34	1860	13	4.75E-03	79.7	1.56E+00	
0	964.66	30	28	2.07	1929.45	1923	11	4.18E-03	79.3	1.52E+00	T
1	1000.45	24	26	2.24	2001.06	1990	26	3.37E-03	94.3	1.47E+00	T
1	1003.42	17	24	2.03	2007.00	1990	26	2.39E-03	****	1.47E+00	T
0	1061.55	14	37	3.01	2123.33	2108	17	1.96E-03	****	1.40E+00	
0	1158.56	17	38	2.98	2317.49	2303	17	2.36E-03	****	1.31E+00	
0	1189.75	11	14	0.94	2379.93	2374	11	1.60E-03	****	1.28E+00	T
0	1230.12	12	26	5.14	2460.72	2452	15	1.70E-03	****	1.24E+00	T
0	1238.03	43	28	2.10	2476.55	2470	17	6.13E-03	63.9	1.24E+00	T
0	1377.20	40	18	1.51	2755.16	2750	11	5.84E-03	50.8	1.13E+00	
0	1400.42	27	0	3.21	2801.64	2795	13	3.89E-03	37.8	1.12E+00	
0	1408.06	27	3	4.37	2816.93	2810	14	3.85E-03	47.4	1.11E+00	T
0	1418.13	11	10	4.27	2837.09	2827	14	1.53E-03	****	1.11E+00	
0	1441.26	17	3	1.40	2883.41	2876	14	2.46E-03	65.2	1.09E+00	
0	1537.07	19	6	2.43	3075.23	3068	14	2.72E-03	72.6	1.04E+00	
0	1544.91	7	5	0.86	3090.93	3084	10	9.72E-04	****	1.04E+00	
0	1559.40	14	0	0.96	3119.93	3115	11	2.08E-03	51.6	1.03E+00	
0	1588.08	9	23	0.87	3177.36	3172	13	1.26E-03	****	1.01E+00	
0	1907.14	10	3	4.51	3816.34	3809	14	1.51E-03	94.1	8.86E-01	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 07:04:36.79

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****************************************************************************
*                         GEL Laboratories LLC                             *
*                           2040 Savage Road                               *
*                         Charleston, SC 29407                             *
****************************************************************************
*                                                                          *
*                       DETECTOR AND SAMPLE DATA                           *
*                                                                          *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205581250.CNF;1   *
* Acquisition date : 13-DEC-2023 05:03:21 Sensitivity      : 3.000          *
* Detector ID      : GAM12                Energy tolerance: 1.500          *
* Elapsed live time:    0 02:00:00.00     Abundance limit : 75.000         *
* Elapsed real time:    0 02:00:01.04     Half life ratio : *****          *
* Sample date      : 13-NOV-2023 12:00:00 Nuclide Library : SOLID          *
* Sample ID        : G1205581250          Analyst initials: RXF2           *
* Batch Number     : 2529194              Sample Quantity : 1.3316E+02 GRAM   *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000      *
*                                         Dry Weight      :    0.00000      *
****************************************************************************
*                                                                          *
*                       CALIBRATION INFORMATION                            *
*                                                                          *
* Eff. Cal. date   : 11-OCT-2023 07:18:34 Eff. Geometry   : CAN            *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM12_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	1.971E-01
CD-109	6.897E-01
SN-126	6.647E-02
CE-141	6.389E-02
TL-208	2.438E-02
BI-211	1.408E-01
BI-212	3.071E-01
PB-212	4.222E-02
BI-214	4.319E-02
PB-214	5.119E-02
RN-222	4.319E-02
RA-224	4.522E-01
RA-226	5.119E-02
AC-228	7.565E-02
RA-228	7.565E-02
TH-228	4.222E-02
TH-229	3.777E-01
TH-230	5.119E-02
TH-232	7.565E-02
U-234	5.119E-02
U-235	1.582E-01
AM-243	5.384E-02
ANH-511	1.833E-02

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	2.598E-01	NOT IDENT.
NA-22	2.351E-02	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF
AL-26	1.650E-02	NOT IDENT.
SC-46	2.669E-02	FAIL ABUN
V-48	7.193E-02	NOT IDENT.
CR-51	3.447E-01	NOT IDENT.
MN-52	8.184E-01	NOT IDENT.

MN-54	2.175E-02	NOT IDENT.
CO-56	3.149E-02	FAIL ABUN
MN-56	0.000E+00	SHORT HLIF
CO-57	2.017E-02	NOT IDENT.
CO-58	2.584E-02	NOT IDENT.
FE-59	6.367E-02	NOT IDENT.
CO-60	2.459E-02	NOT IDENT.
ZN-65	4.847E-02	NOT IDENT.
GE-68	7.964E-01	NOT IDENT.
AS-73	1.228E+00	NOT IDENT.
AS-74	1.074E-01	NOT IDENT.
SE-75	3.513E-02	NOT IDENT.
BR-77	0.000E+00	SHORT HLIF
SR-82	3.082E-01	NOT IDENT.
RB-83	5.065E-02	NOT IDENT.
RB-84	6.094E-02	NOT IDENT.
KR-85	5.766E+00	NOT IDENT.
SR-85	3.562E-02	NOT IDENT.
RB-86	8.445E-01	NOT IDENT.
Y-88	2.546E-02	NOT IDENT.
Y-91	1.148E+01	NOT IDENT.
NB-94	2.125E-02	NOT IDENT.
NB-95	3.457E-02	NOT IDENT.
NB-95M	1.176E-01	NOT IDENT.
ZR-95	5.108E-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	2.602E-02	NOT IDENT.
RH-102	3.874E-02	FAIL ABUN
RU-103	3.722E-02	FAIL ABUN
RH-106	1.850E-01	NOT IDENT.
RU-106	1.850E-01	NOT IDENT.
AG-108M	1.944E-02	NOT IDENT.
AG-110	4.426E-01	NOT IDENT.
AG-110M	3.117E-02	NOT IDENT.
SN-113	3.387E-02	NOT IDENT.
CD-115	0.000E+00	SHORT HLIF
SN-117M	8.121E-02	NOT IDENT.
SB-122	0.000E+00	SHORT HLIF
TE-123M	2.169E-02	NOT IDENT.
SB-124	6.279E-02	NOT IDENT.
SB-125	6.160E-02	FAIL ABUN
TE-125M	8.916E+00	NOT IDENT.
I-126	3.217E-01	NOT IDENT.
SB-126	2.178E-01	NOT IDENT.
SB-127	1.141E+01	NOT IDENT.
I-131	2.454E-01	NOT IDENT.
I-132	0.000E+00	SHORT HLIF
TE-132	1.128E+01	NOT IDENT.
BA-133	2.855E-02	FAIL ABUN
I-133	0.000E+00	SHORT HLIF
CS-134	2.977E-02	FAIL ABUN
I-135	0.000E+00	SHORT HLIF
CS-136	1.371E-01	NOT IDENT.
BA-137M	2.224E-02	NOT IDENT.
CS-137	2.350E-02	NOT IDENT.
LA-138	3.344E-02	NOT IDENT.
CE-139	2.282E-02	NOT IDENT.
BA-140	3.715E-01	NOT IDENT.
LA-140	1.125E-01	FAIL ABUN
CE-143	0.000E+00	SHORT HLIF
CE-144	1.569E-01	NOT IDENT.
PM-144	1.906E-02	NOT IDENT.
PR-144	1.437E+00	NOT IDENT.
PM-146	2.891E-02	NOT IDENT.
ND-147	8.489E-01	FAIL ABUN
PM-147	5.929E+02	NOT IDENT.
PM-149	0.000E+00	SHORT HLIF
EU-150	1.948E-02	NOT IDENT.
EU-152	6.041E-02	FAIL ABUN
GD-153	7.068E-02	NOT IDENT.
EU-154	6.723E-02	FAIL ABUN
EU-155	8.655E-02	FAIL ABUN
TB-160	8.779E-02	FAIL ABUN
HO-166M	3.906E-02	FAIL ABUN
TM-171	2.430E+01	NOT IDENT.

HF-172	1.581E-01	NOT IDENT.
LU-172	3.195E-02	FAIL ABUN
LU-176	1.700E-02	FAIL ABUN
HF-181	3.534E-02	NOT IDENT.
TA-182	1.001E-01	FAIL ABUN
RE-183	2.597E-01	NOT IDENT.
RE-184	1.121E-01	NOT IDENT.
W-188	6.112E+00	NOT IDENT.
IR-192	2.553E-02	FAIL ABUN
HG-203	3.213E-02	NOT IDENT.
TL-204	5.093E+00	NOT IDENT.
BI-207	2.882E-02	FAIL ABUN
BI-210	5.269E+00	NOT IDENT.
PB-210	5.269E+00	NOT IDENT.
PB-211	4.710E-01	FAIL ABUN
BI-213	6.721E-02	NOT IDENT.
RN-219	3.104E-01	FAIL ABUN
RA-223	4.430E-01	FAIL ABUN
AC-225	1.188E+00	NOT IDENT.
AC-227	1.644E-01	FAIL ABUN
TH-227	1.644E-01	FAIL ABUN
PA-231	3.446E-01	NOT IDENT.
TH-231	4.430E-01	FAIL ABUN
PA-233	4.255E-02	FAIL ABUN
PA-234	1.915E-01	FAIL ABUN
PA-234M	3.151E+00	FAIL ABUN
TH-234	1.496E+00	FAIL ABUN
NP-237	4.255E-02	FAIL ABUN
NP-238	0.000E+00	SHORT HLIF
U-238	1.496E+00	FAIL ABUN
NP-239	2.096E-01	FAIL ABUN
PU-239	2.733E+02	NOT IDENT.
AM-241	1.714E-01	NOT IDENT.
CM-243	8.676E-02	FAIL ABUN
BK-247	5.861E-02	FAIL ABUN
CM-247	2.803E-02	FAIL ABUN
CF-249	2.717E-02	NOT IDENT.
CF-251	9.368E-02	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 07:04:40.85

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205581250.CNF;1  *
* Acquisition date : 13-DEC-2023 05:03:21 Sensitivity     : 3.000       *
* Detector ID      : GAM12                Energy tolerance: 1.500       *
* Elapsed live time:    0 02:00:00.00     Abundance limit : 75.000      *
* Elapsed real time:    0 02:00:01.04     Half life ratio : *****       *
* Sample date      : 13-NOV-2023 12:00:00 Nuclide Library : SOLID       *
* Sample ID        : G1205581250          Analyst initials: RXF2        *
* Batch Number     : 2529194              Sample Quantity : 1.3316E+02 GRAM  *
*                                         Quantity Err(%) : 1.5020E-03 %     *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000       *
*                                         Dry Weight      :    0.00000       *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   : 11-OCT-2023 07:18:34 Eff. Geometry   : CAN         *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM12_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	2.491E+00	7.173E-01	7.173E-01
CD-109	1.520E+00	1.617E+00	1.617E+00
SN-126	1.453E-01	1.545E-01	1.545E-01
CE-141	4.618E-02	1.427E-01	1.427E-01
TL-208	3.156E-01	8.307E-02	8.307E-02
BI-211	4.919E+00	6.452E-01	6.452E-01
BI-212	1.316E+00	7.575E-01	7.575E-01
PB-212	1.108E+00	1.434E-01	1.434E-01
BI-214	1.615E+00	2.369E-01	2.369E-01
PB-214	1.785E+00	2.324E-01	2.324E-01
RN-222	1.615E+00	2.369E-01	2.369E-01
RA-224	4.377E+00	1.205E+00	1.205E+00
RA-226	1.785E+00	2.324E-01	2.324E-01
AC-228	9.915E-01	2.399E-01	2.399E-01
RA-228	9.915E-01	2.399E-01	2.399E-01
TH-228	1.108E+00	1.434E-01	1.434E-01
TH-229	-3.903E-01	4.665E-01	4.665E-01
TH-230	1.785E+00	2.324E-01	2.324E-01
TH-232	9.915E-01	2.399E-01	2.399E-01
U-234	1.785E+00	2.324E-01	2.324E-01
U-235	3.353E-01	3.251E-01	3.251E-01
AM-243	2.791E-01	1.100E-01	1.100E-01
ANH-511	8.380E-02	7.402E-02	7.402E-02

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	9.390E-02	2.877E-01	2.908E-01	NOT IDENT.
NA-22	-3.115E-03	2.886E-02	2.889E-02	NOT IDENT.
NA-24	-1.092E+12	4.400E+12	4.428E+12	SHORT HLIF
AL-26	-5.925E-03	2.085E-02	2.102E-02	NOT IDENT.
SC-46	5.339E-04	3.136E-02	3.136E-02	FAIL ABUN
V-48	5.355E-02	7.650E-02	8.022E-02	NOT IDENT.
CR-51	-2.671E-01	4.371E-01	4.534E-01	NOT IDENT.

MN-52	-2.865E-01	1.150E+00	1.157E+00	NOT IDENT.
MN-54	-2.653E-02	3.368E-02	3.574E-02	NOT IDENT.
CO-56	1.326E-02	3.548E-02	3.598E-02	FAIL ABUN
MN-56	1.000E+41	2.711E+41	0.000E+00	SHORT HLIF
CO-57	-1.954E-02	2.433E-02	2.588E-02	NOT IDENT.
CO-58	4.050E-04	3.022E-02	3.022E-02	NOT IDENT.
FE-59	9.665E-04	7.582E-02	7.582E-02	NOT IDENT.
CO-60	6.110E-03	2.866E-02	2.879E-02	NOT IDENT.
ZN-65	2.073E-02	6.150E-02	6.221E-02	NOT IDENT.
GE-68	5.750E-01	8.648E-01	9.028E-01	NOT IDENT.
AS-73	2.661E-02	1.377E+00	1.377E+00	NOT IDENT.
AS-74	-1.422E-02	1.251E-01	1.253E-01	NOT IDENT.
SE-75	2.060E-02	4.237E-02	4.337E-02	NOT IDENT.
BR-77	1.227E+04	1.065E+04	1.200E+04	SHORT HLIF
SR-82	1.922E-01	3.765E-01	3.863E-01	NOT IDENT.
RB-83	1.814E-04	5.986E-02	5.986E-02	NOT IDENT.
RB-84	3.753E-02	7.151E-02	7.349E-02	NOT IDENT.
KR-85	1.034E+01	5.924E+00	7.538E+00	NOT IDENT.
SR-85	6.375E-02	3.660E-02	4.653E-02	NOT IDENT.
RB-86	7.297E-01	9.005E-01	9.587E-01	NOT IDENT.
Y-88	6.161E-04	2.960E-02	2.961E-02	NOT IDENT.
Y-91	-7.273E-01	1.390E+01	1.391E+01	NOT IDENT.
NB-94	-1.375E-03	2.485E-02	2.485E-02	NOT IDENT.
NB-95	-1.025E-02	4.138E-02	4.164E-02	NOT IDENT.
NB-95M	2.330E-01	1.414E-01	1.762E-01	NOT IDENT.
ZR-95	-2.083E-02	6.211E-02	6.281E-02	NOT IDENT.
NB-97	-1.000E+41	1.677E+41	0.000E+00	SHORT HLIF
ZR-97	1.476E+12	2.560E+12	2.645E+12	SHORT HLIF
MO-99	-3.551E+02	4.457E+02	4.736E+02	SHORT HLIF
TC-99M	-8.380E+33	1.226E+34	0.000E+00	SHORT HLIF
RH-101	8.637E-03	2.968E-02	2.993E-02	NOT IDENT.
RH-102	7.498E-02	8.977E-02	9.593E-02	FAIL ABUN
RU-103	7.959E-03	4.181E-02	4.197E-02	FAIL ABUN
RH-106	1.170E-01	1.999E-01	2.067E-01	NOT IDENT.
RU-106	1.170E-01	1.999E-01	2.067E-01	NOT IDENT.
AG-108M	4.836E-04	2.200E-02	2.200E-02	NOT IDENT.
AG-110	-2.373E-01	5.401E-01	5.506E-01	NOT IDENT.
AG-110M	-3.886E-03	3.722E-02	3.726E-02	NOT IDENT.
SN-113	-2.149E-04	3.822E-02	3.822E-02	NOT IDENT.
CD-115	4.198E+02	7.554E+02	7.788E+02	SHORT HLIF
SN-117M	-5.593E-02	9.783E-02	1.010E-01	NOT IDENT.
SB-122	-3.565E+00	7.812E+01	7.814E+01	SHORT HLIF
TE-123M	-1.333E-02	2.605E-02	2.673E-02	NOT IDENT.
SB-124	-2.214E-02	8.232E-02	8.292E-02	NOT IDENT.
SB-125	-8.645E-03	7.048E-02	7.059E-02	FAIL ABUN
TE-125M	-3.418E+00	1.043E+01	1.054E+01	NOT IDENT.
I-126	-1.821E-02	3.746E-01	3.747E-01	NOT IDENT.
SB-126	2.001E-03	2.620E-01	2.620E-01	NOT IDENT.
SB-127	-2.111E+00	1.348E+01	1.351E+01	NOT IDENT.
I-131	-2.628E-01	2.976E-01	3.203E-01	NOT IDENT.
I-132	-1.000E+41	4.438E+41	0.000E+00	SHORT HLIF
TE-132	-5.428E+00	1.371E+01	1.393E+01	NOT IDENT.
BA-133	-4.132E-03	3.932E-02	3.936E-02	FAIL ABUN
I-133	-9.223E+07	4.907E+08	4.924E+08	SHORT HLIF
CS-134	4.565E-02	4.973E-02	5.382E-02	FAIL ABUN
I-135	-2.069E+31	4.350E+31	0.000E+00	SHORT HLIF
CS-136	-4.175E-02	1.691E-01	1.701E-01	NOT IDENT.
BA-137M	-1.440E-02	2.896E-02	2.967E-02	NOT IDENT.
CS-137	-1.521E-02	3.059E-02	3.135E-02	NOT IDENT.
LA-138	2.520E-02	3.883E-02	4.046E-02	NOT IDENT.
CE-139	3.787E-04	2.661E-02	2.661E-02	NOT IDENT.
BA-140	-2.720E-02	4.283E-01	4.284E-01	NOT IDENT.
LA-140	-2.151E-02	1.425E-01	1.428E-01	FAIL ABUN
CE-143	1.434E+06	2.508E+05	6.934E+05	SHORT HLIF
CE-144	-8.742E-03	1.821E-01	1.821E-01	NOT IDENT.
PM-144	-1.784E-02	2.436E-02	2.565E-02	NOT IDENT.
PR-144	-1.350E+00	1.836E+00	1.935E+00	NOT IDENT.
PM-146	-7.355E-03	3.345E-02	3.361E-02	NOT IDENT.
ND-147	-3.326E-01	1.007E+00	1.018E+00	FAIL ABUN
PM-147	1.646E+02	6.753E+02	6.793E+02	NOT IDENT.
PM-149	-1.794E+03	7.726E+03	7.768E+03	SHORT HLIF
EU-150	-6.940E-04	2.648E-02	2.648E-02	NOT IDENT.
EU-152	-9.842E-02	8.198E-02	9.322E-02	FAIL ABUN
GD-153	-5.912E-02	8.846E-02	9.239E-02	NOT IDENT.
EU-154	-4.726E-03	8.179E-02	8.182E-02	FAIL ABUN
EU-155	4.195E-02	9.723E-02	9.905E-02	FAIL ABUN
TB-160	-5.840E-02	1.289E-01	1.315E-01	FAIL ABUN
HO-166M	1.744E-02	4.352E-02	4.423E-02	FAIL ABUN

TM-171	1.580E+01	2.652E+01	2.746E+01	NOT IDENT.
HF-172	8.518E-02	1.790E-01	1.830E-01	NOT IDENT.
LU-172	-3.851E-02	4.460E-02	4.786E-02	FAIL ABUN
LU-176	-1.733E-02	2.185E-02	2.320E-02	FAIL ABUN
HF-181	1.333E-02	4.390E-02	4.431E-02	NOT IDENT.
TA-182	3.913E-02	1.171E-01	1.184E-01	FAIL ABUN
RE-183	-1.517E-01	3.004E-01	3.081E-01	NOT IDENT.
RE-184	9.925E-02	1.276E-01	1.352E-01	NOT IDENT.
W-188	8.090E-01	8.148E+00	8.156E+00	NOT IDENT.
IR-192	-2.396E-02	3.272E-02	3.446E-02	FAIL ABUN
HG-203	-3.238E-02	4.631E-02	4.856E-02	NOT IDENT.
TL-204	1.026E-01	6.446E+00	6.446E+00	NOT IDENT.
BI-207	-1.054E-02	4.143E-02	4.170E-02	FAIL ABUN
BI-210	1.720E+00	5.810E+00	5.862E+00	NOT IDENT.
PB-210	1.720E+00	5.810E+00	5.862E+00	NOT IDENT.
PB-211	-3.984E-01	6.461E-01	6.706E-01	FAIL ABUN
BI-213	-2.120E-02	7.806E-02	7.865E-02	NOT IDENT.
RN-219	1.997E-01	3.482E-01	3.596E-01	FAIL ABUN
RA-223	4.302E-02	5.290E-01	5.294E-01	FAIL ABUN
AC-225	-9.316E-03	1.402E+00	1.402E+00	NOT IDENT.
AC-227	-2.008E-01	2.119E-01	2.305E-01	FAIL ABUN
TH-227	-2.008E-01	2.119E-01	2.305E-01	FAIL ABUN
PA-231	2.856E-01	4.408E-01	4.592E-01	NOT IDENT.
TH-231	4.302E-02	5.290E-01	5.294E-01	FAIL ABUN
PA-233	-4.671E-02	5.496E-02	5.885E-02	FAIL ABUN
PA-234	8.454E-02	2.359E-01	2.389E-01	FAIL ABUN
PA-234M	5.427E+00	5.035E+00	5.598E+00	FAIL ABUN
TH-234	3.786E-01	1.706E+00	1.714E+00	FAIL ABUN
NP-237	-4.671E-02	5.496E-02	5.885E-02	FAIL ABUN
NP-238	-3.194E+02	1.524E+03	1.530E+03	SHORT HLIF
U-238	3.786E-01	1.706E+00	1.714E+00	FAIL ABUN
NP-239	-2.060E-01	2.527E-01	2.692E-01	FAIL ABUN
PU-239	2.962E+01	3.145E+02	3.148E+02	NOT IDENT.
AM-241	-6.963E-02	1.966E-01	1.991E-01	NOT IDENT.
CM-243	-2.996E-02	1.011E-01	1.020E-01	FAIL ABUN
BK-247	3.857E-02	7.079E-02	7.289E-02	FAIL ABUN
CM-247	2.163E-02	3.241E-02	3.385E-02	FAIL ABUN
CF-249	-1.910E-02	3.210E-02	3.323E-02	NOT IDENT.
CF-251	-5.475E-02	1.129E-01	1.156E-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	212.7920	85.43	240.9003	131.20	200.8139
45.60	221.1864	86.55	241.1097	133.02	188.3391
46.54	193.7390	86.79	241.1539	133.52	191.5705
49.72	198.3698	86.94	241.1826	136.00	198.2157
51.35	180.8253	87.09	241.2102	136.47	187.6682
51.87	182.9106	87.57	241.2999	140.51	0.0000
52.39	175.0516	88.03	241.3848	143.76	192.7341
52.97	189.0882	88.34	241.4422	144.24	192.7875
53.44	187.1872	88.47	241.4662	145.44	192.9201
54.07	203.2477	89.96	241.7401	152.43	186.1954
57.36	0.0000	1093.63	241.8645	153.25	178.7864
57.53	189.9502	91.11	241.9507	323.87	193.8794
57.98	202.0349	92.59	242.2186	156.02	193.0005
59.27	218.3088	93.35	202.4787	158.56	186.8273
59.32	209.3061	94.56	184.0954	159.00	182.5774
59.54	209.3503	94.65	184.1072	162.33	177.5264
60.96	229.6936	94.67	184.1099	162.66	170.0255
61.17	229.7390	94.87	185.6845	163.33	174.3926
62.93	219.0633	97.43	213.3172	165.86	167.0842
63.29	217.1255	98.43	206.8512	176.31	177.7534
63.58	230.2550	98.44	206.8532	176.60	174.5280
64.28	240.4648	99.53	178.0329	177.52	187.6243
66.73	282.3420	100.11	178.1064	181.07	0.0000
67.24	267.3385	102.03	193.9033	181.52	171.1617
125.81	235.1486	103.18	213.7765	184.41	168.1451
67.75	235.1628	103.37	203.4270	143.76	170.9777
68.89	250.5556	105.21	175.6282	193.51	196.7780
69.67	260.8371	105.31	179.7983	197.03	171.9264
70.82	256.5442	106.12	185.0980	198.01	180.7709
70.83	256.5468	106.47	193.4633	201.83	171.2233
72.81	269.1488	109.28	191.7509	203.43	164.7614
72.87	282.8485	111.00	199.2770	205.31	155.0134
74.66	281.4509	111.76	194.1596	210.85	147.1469
74.82	281.4890	114.06	194.4567	215.65	170.1153
74.97	281.5242	116.30	215.6845	218.12	153.7181
77.11	282.0276	116.74	220.9829	222.11	137.3771
78.74	272.0139	119.76	176.2928	227.09	137.6811
79.69	284.4592	121.12	181.6980	227.38	136.5883
80.03	284.5358	121.22	181.7095	228.16	134.4128
80.12	284.5585	121.78	204.8904	228.18	134.4141
80.19	284.5741	122.06	211.2326	116.74	134.4141
80.57	284.6621	122.92	195.5759	235.69	140.4285
81.00	235.7690	123.07	195.5948	235.96	140.4439
81.07	235.7820	265.00	206.1894	238.63	156.2282
81.75	284.9317	125.81	194.8782	238.98	0.0000
82.47	240.3393	127.23	204.5398	240.99	156.3863
83.79	240.5905	127.91	209.9000	242.00	156.4532
84.00	240.6300	129.30	210.0797	244.70	100.6924

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.40	101.0175	344.28	101.0787	563.25	57.9554
252.80	105.5243	345.93	85.4435	564.24	0.0000
254.15	0.0000	351.06	86.1737	569.33	46.5088
256.23	131.5298	351.93	86.1993	946.00	46.5103
260.90	0.0000	355.39	0.0000	569.70	46.5134
264.66	105.5856	356.01	82.2357	583.19	50.4025
264.80	105.5914	364.49	77.2041	584.27	50.4157
265.00	105.5990	366.42	0.0000	595.83	46.8124
269.46	111.8906	372.51	73.8896	427.87	44.9927
270.03	119.8301	375.05	72.1904	602.52	0.0000
271.23	122.1482	377.52	66.9615	604.72	34.5281
273.65	101.8890	356.01	67.9813	607.14	42.2466
276.40	123.5320	388.16	85.7557	609.32	42.2685
277.37	110.5405	388.63	76.9268	610.33	42.2781
277.60	110.5504	391.69	74.3459	614.28	28.5881
278.00	122.4756	264.66	90.5325	618.01	37.6501
279.20	129.3401	401.81	74.0757	620.36	36.7291
279.54	129.3563	402.40	68.6756	621.93	23.5527
279.70	122.5569	404.85	82.4744	630.19	0.0000
280.46	105.5654	410.95	63.2181	631.29	36.8232
283.69	118.1997	413.71	63.2723	633.25	36.8398
284.31	119.3640	414.70	65.6084	634.78	45.3574
285.41	114.8661	423.72	70.6149	635.95	45.3706
285.90	0.0000	427.09	59.0552	636.99	45.3809
287.50	119.5114	427.87	64.4381	657.50	39.8967
290.67	112.8192	433.94	57.3828	657.76	40.8492
293.27	0.0000	439.40	51.1883	657.90	0.0000
351.93	86.7571	440.45	61.0865	661.66	43.7371
295.96	86.7818	453.88	64.9325	664.57	0.0000
879.38	86.8669	463.37	56.4281	666.33	44.7352
299.98	86.9117	468.07	48.6384	666.50	40.9293
300.09	86.9163	473.00	49.8723	667.71	0.0000
300.13	86.9179	475.06	44.4571	677.62	40.0774
301.36	90.9611	476.78	53.5561	685.70	38.2373
302.85	82.4253	477.60	48.1202	692.65	0.0000
256.23	73.8853	482.18	42.1817	695.00	38.3167
304.85	80.7683	487.02	47.3361	696.49	40.2453
306.78	103.1818	492.35	0.0000	696.51	40.2453
308.46	89.4797	497.08	56.5952	697.00	37.3742
311.90	107.9703	505.52	49.7715	697.30	33.5431
316.51	97.7953	507.63	0.0000	697.49	32.5868
319.41	86.3800	511.00	48.5618	702.65	40.2991
320.08	95.6175	514.00	48.6006	706.68	49.9386
321.04	87.5828	514.00	48.6006	711.68	31.7260
323.87	89.9796	520.40	45.1401	720.70	40.7320
325.23	122.3382	520.69	0.0000	721.93	0.0000
328.76	115.5579	522.65	0.0000	722.78	37.0055
333.37	109.3791	527.90	0.0000	722.91	37.0066
333.97	98.9829	528.26	42.3417	723.31	38.5522
334.37	105.9439	529.59	42.3557	724.19	46.2715
338.28	104.3481	529.87	0.0000	727.33	34.7267
338.32	104.3500	531.02	45.1345	733.00	46.3579
311.90	104.4287	537.26	44.2852	735.93	28.0247
340.48	104.4287	546.56	0.0000	333.97	30.9346
340.55	104.4305	552.55	43.5332	739.50	0.0000

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
744.23	34.0764	949.00	29.2071	1384.29	16.1710
747.24	34.0979	667.71	0.0000	1408.01	5.1917
748.06	36.1701	962.31	30.6895	1434.09	14.4727
752.31	38.7878	964.08	27.4681	1435.80	6.9484
753.82	31.0400	966.17	0.0000	1457.56	0.0000
756.73	36.8832	911.20	19.4057	1460.82	11.9822
756.80	36.8832	983.53	12.1597	1489.16	15.3074
884.68	51.5184	984.45	0.0000	1505.03	15.3398
765.81	52.5103	1274.44	14.6237	1584.12	12.3963
766.42	42.2358	1001.03	16.2622	1596.21	12.1937
766.84	38.9050	1002.74	16.2666	1620.50	4.4475
772.60	0.0000	1004.73	16.2725	1621.92	4.4482
776.52	23.3892	507.63	0.0000	1678.03	0.0000
739.50	0.0000	1025.87	0.0000	1690.97	12.3361
778.90	41.9266	1028.54	0.0000	1750.46	0.0000
783.70	35.1354	1037.84	29.6602	1764.49	8.1453
788.74	40.3822	1038.76	0.0000	1063.66	7.7624
792.07	12.5137	631.29	17.4130	1771.35	7.0444
795.86	23.4814	1048.07	27.6625	1791.20	0.0000
810.06	27.4728	1049.04	24.5918	1808.65	7.2770
810.29	26.4924	1050.41	24.5977	1810.72	0.0000
344.28	26.4933	1063.66	24.6519	1836.06	8.2125
810.76	25.5136	1077.00	15.4413		
815.77	12.7695	1077.34	16.4717		
1048.07	15.7246	1085.87	23.7117		
832.01	34.6865	1093.63	27.8701		
834.85	42.5936	1099.45	21.6973		
835.71	35.5001	1112.07	17.7487		
836.80	0.0000	1112.84	20.7092		
846.75	0.0000	1115.54	16.5742		
846.77	31.6230	1120.29	20.7336		
856.80	12.6738	1120.55	20.7349		
860.56	30.7162	1221.41	24.8848		
871.09	20.6508	1129.67	18.6877		
873.19	33.3724	1131.51	0.0000		
875.33	0.0000	1147.95	0.0000		
879.38	31.8203	1173.23	24.0430		
880.51	22.2790	1177.95	23.0138		
881.60	22.5484	1189.05	15.7187		
883.24	25.8723	1204.77	16.8066		
884.68	27.8701	1221.41	14.4417		
889.28	25.9016	1231.02	25.3096		
894.76	28.9203	1235.36	16.8838		
898.04	22.9502	1238.28	18.0981		
900.72	38.9357	1260.41	0.0000		
903.28	21.3079	1271.87	18.0366		
911.20	22.0060	1274.44	19.1052		
912.08	22.0094	1274.54	19.1052		
923.98	0.0000	1291.59	13.8323		
926.50	26.7489	1298.22	0.0000		
929.11	9.6340	1312.11	12.8064		
935.54	22.5053	1332.49	16.0538		
937.49	22.5135	1362.66	0.0000		
944.13	18.1126	1365.19	8.6016		
946.00	23.1516	1368.63	0.0000		

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 06:17:26.62

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GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

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Configuration : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205581251.CNF;1
Background file : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]BKG_GAM21.CNF;808
Background date : 11-DEC-2023 05:17:22
Sample date : 21-NOV-2023 00:00:00 Acquisition date : 13-DEC-2023 06:01:53
Sample ID : G1205581251 Sample quantity : 1.15000E+02 GRAM
Detector name : GAM21 Detector geometry: CAN
Elapsed live time: 0 00:15:00.00 Elapsed real time: 0 00:15:06.16 0.7%
Energy tolerance : 1.50000 keV Analyst Initials : RXF2
Abundance limit : 75.00000 Sensitivity : 3.00000
Batch ID : 2529194 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	31.73	2764	5621	0.82	62.89	60	8	3.07E+00	5.0	
2	0	36.18	1089	6306	0.68	71.79	71	5	1.21E+00	11.3	
3	3	39.47	2378	6011	0.76	78.38	75	20	2.64E+00	5.7	9.58E+02
4	3	42.98	2983	5993	0.78	85.39	75	20	3.31E+00	4.8	
5	3	46.21	74253	5946	0.80	91.86	75	20	8.25E+01	0.4	
6	0	49.44	870	8070	0.74	98.32	97	5	9.66E-01	15.9	
7	0	59.28	78171	7235	0.69	117.98	114	8	8.69E+01	0.4	
8	0	76.47*	171	920	0.99	152.37	150	6	1.90E-01	29.1	
9	0	87.74	66	824	1.05	174.92	172	6	7.30E-02	70.1	
10	0	197.88	93	497	2.05	395.19	392	7	1.03E-01	41.1	
11	0	266.65	91	336	1.27	532.75	530	6	1.01E-01	33.7	
12	0	433.21	42	306	0.93	865.90	863	6	4.72E-02	66.9	
13	0	545.81	21	215	0.81	1091.15	1089	9	2.28E-02	131.9	
14	0	628.54	41	136	2.92	1256.65	1253	10	4.53E-02	55.6	
15	0	661.19	11258	216	1.46	1321.98	1314	16	1.25E+01	1.0	
16	0	887.52	23	114	1.68	1774.80	1773	8	2.60E-02	81.6	
17	0	938.84	34	169	1.27	1877.47	1875	9	3.78E-02	70.6	
18	0	972.53	40	160	1.24	1944.90	1940	11	4.47E-02	63.2	
19	0	978.47	34	183	0.94	1956.77	1951	13	3.80E-02	83.2	
20	0	1093.40	25	82	1.49	2186.75	2182	8	2.81E-02	65.2	
21	0	1146.93	39	60	1.41	2293.87	2288	13	4.30E-02	44.7	
22	0	1172.54	2991	144	2.16	2345.11	2334	23	3.32E+00	2.1	
23	0	1331.71	2603	23	2.13	2663.65	2655	18	2.89E+00	2.0	
24	0	1451.92	5	5	1.40	2904.22	2897	9	5.00E-03	97.2	
25	0	1758.37	8	2	2.71	3517.62	3512	10	8.56E-03	52.4	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.1 Generated 13-DEC-2023 06:17:27

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205581251.CNF;1		
Analyses by	: PEAK V16.9,PEAKEFF V2.2,ENBACK V1.6,NID V3.4		
Sample title	: RXF2		
Sample date	: 21-NOV-2023 00:00:00	Acquisition date	: 13-DEC-2023 06:01:53
Sample ID	: G1205581251	Sample quantity	: 115.00 GRAM
Sample type	: SOLID	Sample geometry	:
Detector name	: GAMMA21	Detector geometry	: CAN
Elapsed live time	: 0 00:15:00.00	Elapsed real time	: 0 00:15:06.16 0.7%
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	2849	99.85	1.156E+00	6.444E+01	6.496E+01	4.21
	1332.49	2466	99.98*	1.017E+00	6.333E+01	6.383E+01	4.01
CD-109	88.03	70	3.70*	1.121E+01	4.396E+00	4.545E+00	140.17
SN-126	64.28	------	9.60	1.191E+01	------ Line Not Found		------
	86.94	70	8.90	1.121E+01	1.827E+00	1.827E+00	140.17
	87.57	70	37.00*	1.121E+01	4.396E-01	4.396E-01	140.17
BA-137M	661.66	10996	89.90*	2.099E+00	1.522E+02	1.524E+02	1.97
CS-137	661.66	10996	85.10*	2.099E+00	1.607E+02	1.610E+02	1.97
BI-210	46.54	80865	4.25*	1.143E+01	4.347E+03	4.355E+03	0.85
PB-210	46.54	80865	4.25*	1.143E+01	4.347E+03	4.355E+03	0.85
AM-241	59.54	84310	35.90*	1.192E+01	5.144E+02	5.145E+02	0.81

Flag: "*" = Keyline

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 06:17:28.63

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205581251.CNF;1		
Acquisition date	: 13-DEC-2023 06:01:53	Sensitivity	: 3.000
Detector ID	: GAM21	Energy tolerance	: 1.500
Elapsed live time	: 0 00:15:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 00:15:06.16	Half life ratio	: *****
Sample date	: 21-NOV-2023 00:00:00	Analyst initials	: RXF2
Sample ID	: G1205581251	Sample Quantity	: 1.1500E+02 GRAM
Batch Number	: 2529194	Wet Weight	: 0.00000
Wet wt corr	: 1.00000	Dry Weight	: 0.00000
Nuclide Library	: SOLID.NLB;17		

CALIBRATION INFORMATION

Eff. Cal. date	: 3-JUL-2023 09:20:00	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM21_CAN.CNF;25		

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	6.383E+01	2.510E+00	4.920E-01
CD-109	4.545E+00	6.244E+00	6.670E+00
SN-126	4.396E-01	6.038E-01	6.435E-01
BA-137M	1.524E+02	2.947E+00	6.258E-01
CS-137	1.610E+02	3.113E+00	6.611E-01
BI-210	4.355E+03	3.625E+01	1.423E+01
PB-210	4.355E+03	3.625E+01	1.423E+01
AM-241	5.145E+02	4.088E+00	1.434E+00

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L. Cnt Uncert (1.96-sigma)	MDA (pCi/GRAM)	
BE-7	4.807E+00	5.373E+00	9.936E+00	NOT IDENT.
NA-22	5.501E-03	2.885E-01	5.506E-01	NOT IDENT.
NA-24	0.000E+00	1.181E+10	0.000E+00	SHORT HLIF
AL-26	4.316E-02	2.193E-01	4.850E-01	NOT IDENT.
K-40	-1.319E+00	2.060E+00	3.574E+00	NOT IDENT.
SC-46	-1.783E-01	7.283E-01	1.078E+00	NOT IDENT.
V-48	-1.608E-01	1.623E+00	2.576E+00	NOT IDENT.
CR-51	-1.895E+00	4.693E+00	7.818E+00	NOT IDENT.
MN-52	-1.164E+00	2.771E+00	5.074E+00	NOT IDENT.
MN-54	-2.223E-01	5.015E-01	8.366E-01	NOT IDENT.
CO-56	1.619E-01	5.761E-01	1.011E+00	NOT IDENT.
MN-56	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
CO-57	-2.251E-02	1.555E-01	2.877E-01	NOT IDENT.
CO-58	-2.754E-01	5.447E-01	9.090E-01	NOT IDENT.
FE-59	-7.692E-01	1.569E+00	2.727E+00	NOT IDENT.
ZN-65	1.793E-01	1.147E+00	2.089E+00	NOT IDENT.
GE-68	6.703E+00	1.866E+01	3.434E+01	NOT IDENT.
AS-73	-2.264E+00	4.607E+00	7.514E+00	NOT IDENT.
AS-74	3.357E-01	1.219E+00	2.228E+00	NOT IDENT.
SE-75	9.408E-02	4.781E-01	7.723E-01	NOT IDENT.
BR-77	-1.771E+02	6.300E+02	1.089E+03	NOT IDENT.
SR-82	-1.310E-02	4.894E+00	8.535E+00	NOT IDENT.

RB-83	-3.757E-02	9.117E-01	1.636E+00	NOT IDENT.
RB-84	-3.471E-01	1.194E+00	1.999E+00	NOT IDENT.
KR-85	-1.244E+01	8.027E+01	1.433E+02	NOT IDENT.
SR-85	-7.136E-02	4.585E-01	8.184E-01	NOT IDENT.
RB-86	2.506E+00	1.510E+01	2.746E+01	NOT IDENT.
Y-88	2.349E-02	2.263E-01	5.054E-01	NOT IDENT.
Y-91	-7.816E+01	1.899E+02	3.350E+02	NOT IDENT.
NB-94	-2.370E-01	3.311E-01	5.544E-01	NOT IDENT.
NB-95	-2.764E-01	4.916E-01	8.237E-01	NOT IDENT.
NB-95M	-6.148E-02	1.088E+00	1.899E+00	NOT IDENT.
ZR-95	3.102E-01	8.917E-01	1.602E+00	NOT IDENT.
NB-97	0.000E+00	1.248E+41	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	2.252E+10	0.000E+00	SHORT HLIF
MO-99	3.709E+02	8.763E+02	1.580E+03	NOT IDENT.
TC-99M	0.000E+00	7.896E+25	0.000E+00	SHORT HLIF
RH-101	1.328E-01	1.903E-01	3.608E-01	FAIL ABUN
RH-102	-3.698E-01	6.860E-01	1.041E+00	NOT IDENT.
RU-103	-1.195E-01	5.796E-01	1.034E+00	NOT IDENT.
RH-106	1.871E+00	3.456E+00	6.375E+00	NOT IDENT.
RU-106	1.871E+00	3.456E+00	6.375E+00	NOT IDENT.
AG-108M	3.733E-01	4.895E-01	7.354E-01	FAIL ABUN
AG-110	1.840E+00	8.385E+00	1.364E+01	NOT IDENT.
AG-110M	2.933E-01	8.569E-01	1.339E+00	FAIL ABUN
SN-113	1.089E-02	5.893E-01	9.784E-01	NOT IDENT.
CD-115	1.160E+02	1.247E+03	2.251E+03	NOT IDENT.
SN-117M	-2.892E-01	5.200E-01	9.269E-01	NOT IDENT.
SB-122	2.562E+01	1.222E+02	2.231E+02	NOT IDENT.
TE-123M	-9.908E-02	1.930E-01	3.446E-01	NOT IDENT.
SB-124	2.893E-01	6.416E-01	1.445E+00	NOT IDENT.
SB-125	-5.175E-01	1.225E+00	2.192E+00	NOT IDENT.
TE-125M	4.003E+00	5.764E+01	1.083E+02	NOT IDENT.
I-126	-1.850E+00	3.829E+00	5.797E+00	NOT IDENT.
SB-126	-7.427E-01	2.268E+00	3.905E+00	NOT IDENT.
SB-127	-5.792E+00	5.109E+01	8.979E+01	NOT IDENT.
I-131	-2.350E+00	2.500E+00	3.986E+00	NOT IDENT.
I-132	0.000E+00	1.960E+41	0.000E+00	SHORT HLIF
TE-132	-1.371E+01	2.928E+01	5.044E+01	FAIL ABUN
BA-133	-2.841E-02	4.763E-01	7.972E-01	NOT IDENT.
I-133	0.000E+00	2.093E+07	0.000E+00	SHORT HLIF
CS-134	-2.169E-02	4.612E-01	8.025E-01	NOT IDENT.
I-135	0.000E+00	2.534E+24	0.000E+00	SHORT HLIF
CS-136	4.851E-01	2.176E+00	3.990E+00	NOT IDENT.
LA-138	1.098E-01	2.509E-01	5.849E-01	NOT IDENT.
CE-139	7.695E-02	2.109E-01	3.872E-01	NOT IDENT.
BA-140	3.952E+00	4.441E+00	8.359E+00	NOT IDENT.
LA-140	-2.134E-01	8.687E-01	1.606E+00	NOT IDENT.
CE-141	-2.302E-02	4.550E-01	8.327E-01	NOT IDENT.
CE-143	0.000E+00	4.159E+04	0.000E+00	SHORT HLIF
CE-144	-2.801E-03	1.216E+00	2.247E+00	NOT IDENT.
PM-144	-2.899E-03	3.497E-01	6.197E-01	NOT IDENT.
PR-144	-3.233E+00	2.654E+01	4.661E+01	NOT IDENT.
PM-146	-1.958E-01	6.445E-01	1.149E+00	NOT IDENT.
ND-147	3.944E+00	1.063E+01	1.944E+01	NOT IDENT.
PM-147	-6.841E+01	4.471E+03	8.312E+03	NOT IDENT.
PM-149	0.000E+00	8.203E+03	0.000E+00	SHORT HLIF
EU-150	3.918E-02	2.913E-01	4.954E-01	NOT IDENT.
EU-152	3.792E-01	1.102E+00	1.886E+00	NOT IDENT.
GD-153	-1.873E-01	5.453E-01	8.473E-01	NOT IDENT.
EU-154	2.965E-02	8.168E-01	1.562E+00	NOT IDENT.
EU-155	-2.057E-01	5.784E-01	1.075E+00	FAIL ABUN
TB-160	-2.050E+00	2.134E+00	3.400E+00	FAIL ABUN
HO-166M	-1.018E-01	5.722E-01	1.003E+00	NOT IDENT.
TM-171	-6.875E+01	8.542E+01	1.390E+02	NOT IDENT.
HF-172	1.942E-01	1.168E+00	2.178E+00	NOT IDENT.
LU-172	8.235E-01	1.052E+00	1.745E+00	FAIL ABUN
LU-176	6.054E-03	2.777E-01	4.740E-01	FAIL ABUN
HF-181	3.485E-01	6.738E-01	1.237E+00	NOT IDENT.
TA-182	3.763E-01	1.502E+00	2.868E+00	NOT IDENT.
RE-183	0.000E+00	5.333E+00	3.214E+00	FAIL ABUN
RE-184	-1.916E-01	2.280E+00	3.850E+00	NOT IDENT.
W-188	4.975E+01	7.073E+01	1.257E+02	NOT IDENT.
IR-192	-2.668E-01	3.931E-01	6.469E-01	NOT IDENT.
HG-203	2.829E-02	3.973E-01	6.869E-01	NOT IDENT.
TL-204	4.528E+00	1.761E+01	2.898E+01	NOT IDENT.
BI-207	-3.405E-01	7.442E-01	1.304E+00	NOT IDENT.
TL-208	-4.550E-02	3.926E-01	6.975E-01	NOT IDENT.
BI-211	-1.872E+00	2.227E+00	3.592E+00	NOT IDENT.
PB-211	3.154E+00	8.250E+00	1.532E+01	NOT IDENT.

BI-212	5.251E+00	5.397E+00	1.016E+01	NOT IDENT.
PB-212	-2.428E-01	5.015E-01	8.599E-01	FAIL ABUN
BI-213	1.260E+00	1.474E+00	2.743E+00	NOT IDENT.
BI-214	-1.794E-01	7.276E-01	1.281E+00	NOT IDENT.
PB-214	-5.487E-01	8.043E-01	1.308E+00	FAIL ABUN
RN-219	4.305E-01	4.979E+00	8.287E+00	NOT IDENT.
RN-222	-1.794E-01	7.276E-01	1.281E+00	NOT IDENT.
RA-223	-1.684E+00	6.994E+00	1.172E+01	NOT IDENT.
RA-224	2.797E+00	5.214E+00	9.305E+00	NOT IDENT.
AC-225	1.191E+00	8.811E+00	1.557E+01	NOT IDENT.
RA-226	-5.487E-01	8.043E-01	1.308E+00	FAIL ABUN
AC-227	-1.919E+00	2.299E+00	3.850E+00	NOT IDENT.
TH-227	-1.919E+00	2.299E+00	3.850E+00	NOT IDENT.
AC-228	-2.514E-01	2.307E+00	3.878E+00	NOT IDENT.
RA-228	-2.514E-01	2.307E+00	3.878E+00	NOT IDENT.
TH-228	-2.428E-01	5.015E-01	8.599E-01	FAIL ABUN
TH-229	-1.968E+00	4.041E+00	7.077E+00	FAIL ABUN
TH-230	-5.487E-01	8.043E-01	1.308E+00	FAIL ABUN
PA-231	5.090E-01	4.717E+00	8.100E+00	NOT IDENT.
TH-231	-1.684E+00	6.994E+00	1.172E+01	NOT IDENT.
TH-232	-2.514E-01	2.307E+00	3.878E+00	NOT IDENT.
PA-233	-1.099E-01	6.947E-01	1.173E+00	NOT IDENT.
PA-234	-5.359E-01	4.962E+00	8.930E+00	NOT IDENT.
PA-234M	2.652E+01	6.296E+01	1.171E+02	NOT IDENT.
TH-234	3.417E+00	3.891E+00	6.601E+00	NOT IDENT.
U-234	-5.487E-01	8.043E-01	1.308E+00	FAIL ABUN
U-235	1.064E-01	1.272E+00	2.339E+00	NOT IDENT.
NP-237	-1.099E-01	6.947E-01	1.173E+00	NOT IDENT.
NP-238	0.000E+00	3.532E+03	0.000E+00	SHORT HLIF
U-238	3.417E+00	3.891E+00	6.601E+00	NOT IDENT.
NP-239	-1.192E+00	1.523E+00	2.771E+00	NOT IDENT.
PU-239	-1.298E+03	1.999E+03	3.621E+03	NOT IDENT.
AM-243	1.394E-02	2.033E-01	3.305E-01	FAIL ABUN
CM-243	3.302E-01	6.022E-01	1.149E+00	NOT IDENT.
BK-247	1.390E-01	8.257E-01	1.332E+00	NOT IDENT.
CM-247	5.332E-02	4.202E-01	7.742E-01	NOT IDENT.
CF-249	-1.264E-01	5.054E-01	8.287E-01	NOT IDENT.
CF-251	-4.872E-01	8.915E-01	1.573E+00	NOT IDENT.
ANH-511	-2.109E-01	3.599E-01	6.387E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 06:17:27.36

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	2849	99.85	1.156E+00	6.444E+01	6.496E+01	4.21
	1332.49	2466	99.98*	1.017E+00	6.333E+01	6.383E+01	4.01
CD-109	88.03	70	3.70*	1.121E+01	4.396E+00	4.545E+00	140.17
SN-126	64.28	------	9.60	1.191E+01	------ Line Not Found		------
	86.94	70	8.90	1.121E+01	1.827E+00	1.827E+00	140.17
	87.57	70	37.00*	1.121E+01	4.396E-01	4.396E-01	140.17
BA-137M	661.66	10996	89.90*	2.099E+00	1.522E+02	1.524E+02	1.97
CS-137	661.66	10996	85.10*	2.099E+00	1.607E+02	1.610E+02	1.97
BI-210	46.54	80865	4.25*	1.143E+01	4.347E+03	4.355E+03	0.85
PB-210	46.54	80865	4.25*	1.143E+01	4.347E+03	4.355E+03	0.85
AM-241	59.54	84310	35.90*	1.192E+01	5.144E+02	5.145E+02	0.81

Flag: "*" = Keyline

Sample ID : G1205581251 Acquisition date : 13-DEC-2023 06:01:53

Total number of lines in spectrum	25	
Number of unidentified lines	10	
Number of lines tentatively identified by NID	15	60.00%

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	6.333E+01	6.383E+01	0.256E+01	4.01	
CD-109	461.40D	1.03	4.396E+00	4.545E+00	6.371E+00	140.17	
SN-126	2.30E+05Y	1.00	4.396E-01	4.396E-01	6.162E-01	140.17	
BA-137M	30.08Y	1.00	1.522E+02	1.524E+02	0.030E+02	1.97	
CS-137	30.08Y	1.00	1.607E+02	1.610E+02	0.032E+02	1.97	
BI-210	22.20Y	1.00	4.347E+03	4.355E+03	0.037E+03	0.85	
PB-210	22.20Y	1.00	4.347E+03	4.355E+03	0.037E+03	0.85	
AM-241	432.60Y	1.00	5.144E+02	5.145E+02	0.042E+02	0.81	
	Total Activity :		9.590E+03	9.607E+03			
	Grand Total Activity :		9.590E+03	9.607E+03			

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

Sample ID : G1205581251 Acquisition date : 13-DEC-2023 06:01:53

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	%Eff	Flags
0	31.73	3054	6211	0.82	62.89	60	8	3.07E+00	10.1	9.28E+00	
0	36.18	1197	6933	0.68	71.79	71	5	1.21E+00	22.7	1.02E+01	
3	39.47	2606	6586	0.76	78.38	75	20	2.64E+00	11.3	1.07E+01	
3	42.98	3257	6545	0.78	85.39	75	20	3.31E+00	9.6	1.11E+01	T
0	49.44	945	8766	0.74	98.32	97	5	9.66E-01	31.8	1.16E+01	T
0	76.47	182	982	0.99	152.37	150	6	1.90E-01	58.1	1.16E+01	T
0	197.88	96	511	2.05	395.19	392	7	1.03E-01	82.2	6.85E+00	T
0	266.65	92	341	1.27	532.75	530	6	1.01E-01	67.4	5.27E+00	
0	433.21	42	304	0.93	865.90	863	6	4.72E-02	****	3.26E+00	T
0	545.81	20	212	0.81	1091.15	1089	9	2.28E-02	****	2.57E+00	T
0	628.54	40	133	2.92	1256.65	1253	10	4.53E-02	****	2.21E+00	
0	887.52	23	110	1.68	1774.80	1773	8	2.60E-02	****	1.54E+00	
0	938.84	33	163	1.27	1877.47	1875	9	3.78E-02	****	1.45E+00	T
0	972.53	39	153	1.24	1944.90	1940	11	4.47E-02	****	1.40E+00	
0	978.47	33	176	0.94	1956.77	1951	13	3.80E-02	****	1.39E+00	
0	1093.40	24	78	1.49	2186.75	2182	8	2.81E-02	****	1.24E+00	T
0	1146.93	37	57	1.41	2293.87	2288	13	4.30E-02	89.5	1.18E+00	T
0	1451.92	4	4	1.40	2904.22	2897	9	5.00E-03	****	9.33E-01	
0	1758.37	7	2	2.71	3517.62	3512	10	8.56E-03	****	7.75E-01	

Flags: "T" = Tentatively associated

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 06:17:38.10

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*************************************************************************
*                          GEL Laboratories LLC                         *
*                            2040 Savage Road                           *
*                          Charleston, SC 29407                         *
*************************************************************************
*                                                                       *
*                        DETECTOR AND SAMPLE DATA                       *
*                                                                       *
* Configuration    : DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205581251.CNF;1  *
* Acquisition date : 13-DEC-2023 06:01:53 Sensitivity     : 3.000       *
* Detector ID      : GAM21                Energy tolerance: 1.500       *
* Elapsed live time:    0 00:15:00.00     Abundance limit : 75.000      *
* Elapsed real time:    0 00:15:06.16     Half life ratio : *****       *
* Sample date      : 21-NOV-2023 00:00:00 Nuclide Library : SOLID       *
* Sample ID        : G1205581251          Analyst initials: RXF2        *
* Batch Number     : 2529194              Sample Quantity : 1.1500E+02 GRAM  *
* Wet wt corr      :    1.00000           Wet Weight      :    0.00000  *
*                                         Dry Weight      :    0.00000  *
*************************************************************************
*                                                                       *
*                        CALIBRATION INFORMATION                        *
*                                                                       *
* Eff. Cal. date   :  3-JUL-2023 09:20:00 Eff. Geometry   : CAN         *
* Eff. File        : DKA100:[CANBERRA.GAMMA]EFF_GAM21_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/GRAM)
CO-60	2.111E-01
CD-109	3.247E+00
SN-126	3.132E-01
BA-137M	2.942E-01
CS-137	3.108E-01
BI-210	7.044E+00
PB-210	7.044E+00
AM-241	7.088E-01

---- Non-Identified Nuclides ----

Nuclide	Lc (pCi/GRAM)	
BE-7	4.816E+00	NOT IDENT.
NA-22	2.417E-01	NOT IDENT.
NA-24	0.000E+00	SHORT HLIF
AL-26	1.958E-01	NOT IDENT.
K-40	1.432E+00	NOT IDENT.
SC-46	5.116E-01	NOT IDENT.
V-48	1.221E+00	NOT IDENT.
CR-51	3.769E+00	NOT IDENT.
MN-52	1.949E+00	NOT IDENT.
MN-54	3.959E-01	NOT IDENT.
CO-56	4.788E-01	NOT IDENT.
MN-56	0.000E+00	SHORT HLIF
CO-57	1.393E-01	NOT IDENT.
CO-58	4.286E-01	NOT IDENT.
FE-59	1.293E+00	NOT IDENT.
ZN-65	9.837E-01	NOT IDENT.
GE-68	1.626E+01	NOT IDENT.
AS-73	3.723E+00	NOT IDENT.
AS-74	1.053E+00	NOT IDENT.
SE-75	3.733E-01	NOT IDENT.
BR-77	5.271E+02	NOT IDENT.
SR-82	4.026E+00	NOT IDENT.
RB-83	7.832E-01	NOT IDENT.

RB-84	9.470E-01	NOT IDENT.
KR-85	6.867E+01	NOT IDENT.
SR-85	3.922E-01	NOT IDENT.
RB-86	1.300E+01	NOT IDENT.
Y-88	1.977E-01	NOT IDENT.
Y-91	1.519E+02	NOT IDENT.
NB-94	2.593E-01	NOT IDENT.
NB-95	3.869E-01	NOT IDENT.
NB-95M	9.187E-01	NOT IDENT.
ZR-95	7.557E-01	NOT IDENT.
NB-97	0.000E+00	SHORT HLIF
ZR-97	0.000E+00	SHORT HLIF
MO-99	7.476E+02	NOT IDENT.
TC-99M	0.000E+00	SHORT HLIF
RH-101	1.748E-01	FAIL ABUN
RH-102	4.915E-01	NOT IDENT.
RU-103	4.967E-01	NOT IDENT.
RH-106	3.023E+00	NOT IDENT.
RU-106	3.023E+00	NOT IDENT.
AG-108M	3.558E-01	FAIL ABUN
AG-110	6.426E+00	NOT IDENT.
AG-110M	6.364E-01	FAIL ABUN
SN-113	4.721E-01	NOT IDENT.
CD-115	1.077E+03	NOT IDENT.
SN-117M	4.478E-01	NOT IDENT.
SB-122	1.057E+02	NOT IDENT.
TE-123M	1.664E-01	NOT IDENT.
SB-124	6.042E-01	NOT IDENT.
SB-125	1.060E+00	NOT IDENT.
TE-125M	5.249E+01	NOT IDENT.
I-126	2.729E+00	NOT IDENT.
SB-126	1.834E+00	NOT IDENT.
SB-127	4.229E+01	NOT IDENT.
I-131	1.917E+00	NOT IDENT.
I-132	0.000E+00	SHORT HLIF
TE-132	2.440E+01	FAIL ABUN
BA-133	3.843E-01	NOT IDENT.
I-133	0.000E+00	SHORT HLIF
CS-134	3.770E-01	NOT IDENT.
I-135	0.000E+00	SHORT HLIF
CS-136	1.886E+00	NOT IDENT.
LA-138	2.356E-01	NOT IDENT.
CE-139	1.873E-01	NOT IDENT.
BA-140	3.994E+00	NOT IDENT.
LA-140	6.580E-01	NOT IDENT.
CE-141	4.027E-01	NOT IDENT.
CE-143	0.000E+00	SHORT HLIF
CE-144	1.086E+00	NOT IDENT.
PM-144	2.913E-01	NOT IDENT.
PR-144	2.191E+01	NOT IDENT.
PM-146	5.570E-01	NOT IDENT.
ND-147	9.307E+00	NOT IDENT.
PM-147	4.025E+03	NOT IDENT.
PM-149	0.000E+00	SHORT HLIF
EU-150	2.391E-01	NOT IDENT.
EU-152	9.108E-01	NOT IDENT.
GD-153	4.116E-01	NOT IDENT.
EU-154	6.862E-01	NOT IDENT.
EU-155	5.213E-01	FAIL ABUN
TB-160	1.607E+00	FAIL ABUN
HO-166M	4.683E-01	NOT IDENT.
TM-171	6.885E+01	NOT IDENT.
HF-172	1.055E+00	NOT IDENT.
LU-172	8.266E-01	FAIL ABUN
LU-176	2.289E-01	FAIL ABUN
HF-181	5.970E-01	NOT IDENT.
TA-182	1.300E+00	NOT IDENT.
RE-183	1.597E+00	FAIL ABUN
RE-184	1.831E+00	NOT IDENT.
W-188	6.059E+01	NOT IDENT.
IR-192	3.117E-01	NOT IDENT.
HG-203	3.315E-01	NOT IDENT.
TL-204	1.410E+01	NOT IDENT.
BI-207	6.152E-01	NOT IDENT.
TL-208	3.315E-01	NOT IDENT.
BI-211	1.729E+00	NOT IDENT.
PB-211	7.395E+00	NOT IDENT.
BI-212	4.802E+00	NOT IDENT.

PB-212	4.161E-01	FAIL ABUN
BI-213	1.329E+00	NOT IDENT.
BI-214	6.066E-01	NOT IDENT.
PB-214	6.294E-01	FAIL ABUN
RN-219	3.992E+00	NOT IDENT.
RN-222	6.066E-01	NOT IDENT.
RA-223	5.657E+00	NOT IDENT.
RA-224	4.504E+00	NOT IDENT.
AC-225	7.556E+00	NOT IDENT.
RA-226	6.294E-01	FAIL ABUN
AC-227	1.857E+00	NOT IDENT.
TH-227	1.857E+00	NOT IDENT.
AC-228	1.849E+00	NOT IDENT.
RA-228	1.849E+00	NOT IDENT.
TH-228	4.161E-01	FAIL ABUN
TH-229	3.424E+00	FAIL ABUN
TH-230	6.294E-01	FAIL ABUN
PA-231	3.910E+00	NOT IDENT.
TH-231	5.657E+00	NOT IDENT.
TH-232	1.849E+00	NOT IDENT.
PA-233	5.666E-01	NOT IDENT.
PA-234	4.263E+00	NOT IDENT.
PA-234M	5.548E+01	NOT IDENT.
TH-234	3.220E+00	NOT IDENT.
U-234	6.294E-01	FAIL ABUN
U-235	1.132E+00	NOT IDENT.
NP-237	5.666E-01	NOT IDENT.
NP-238	0.000E+00	SHORT HLIF
U-238	3.220E+00	NOT IDENT.
NP-239	1.340E+00	NOT IDENT.
PU-239	1.750E+03	NOT IDENT.
AM-243	1.608E-01	FAIL ABUN
CM-243	5.583E-01	NOT IDENT.
BK-247	6.437E-01	NOT IDENT.
CM-247	3.733E-01	NOT IDENT.
CF-249	3.998E-01	NOT IDENT.
CF-251	7.590E-01	NOT IDENT.
ANH-511	3.066E-01	NOT IDENT.

VAX/VMS Nuclide Identification Report Generated 13-DEC-2023 06:17:42.41

GEL Laboratories LLC
2040 Savage Road
Charleston, SC 29407

DETECTOR AND SAMPLE DATA

Configuration	: DKA100:[CANBERRA.GAMMA.ARCHIVE.GAMMA]G1205581251.CNF;1		
Acquisition date	: 13-DEC-2023 06:01:53	Sensitivity	: 3.000
Detector ID	: GAM21	Energy tolerance	: 1.500
Elapsed live time	: 0 00:15:00.00	Abundance limit	: 75.000
Elapsed real time	: 0 00:15:06.16	Half life ratio	: *****
Sample date	: 21-NOV-2023 00:00:00	Nuclide Library	: SOLID
Sample ID	: G1205581251	Analyst initials	: RXF2
Batch Number	: 2529194	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	: 3-JUL-2023 09:20:00	Eff. Geometry	: CAN
Eff. File	: DKA100:[CANBERRA.GAMMA]EFF_GAM21_CAN.CNF;25		

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	6.383E+01	5.790E+00	5.790E+00
CD-109	4.545E+00	6.260E+00	6.260E+00
SN-126	4.396E-01	6.050E-01	6.050E-01
BA-137M	1.524E+02	2.045E+01	2.045E+01
CS-137	1.610E+02	2.160E+01	2.160E+01
BI-210	4.355E+03	4.111E+02	4.111E+02
PB-210	4.355E+03	4.111E+02	4.111E+02
AM-241	5.145E+02	4.211E+01	4.211E+01

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/GRAM)	K.L Act error (1.96-sigma)	TPU (1.96-sigma)	
BE-7	4.807E+00	5.395E+00	5.814E+00	NOT IDENT.
NA-22	5.501E-03	2.885E-01	2.885E-01	NOT IDENT.
NA-24	-2.388E+08	1.181E+10	1.181E+10	SHORT HLIF
AL-26	4.316E-02	2.193E-01	2.202E-01	NOT IDENT.
K-40	-1.319E+00	2.064E+00	2.147E+00	NOT IDENT.
SC-46	-1.783E-01	7.286E-01	7.330E-01	NOT IDENT.
V-48	-1.608E-01	1.623E+00	1.624E+00	NOT IDENT.
CR-51	-1.895E+00	4.696E+00	4.773E+00	NOT IDENT.
MN-52	-1.164E+00	2.773E+00	2.822E+00	NOT IDENT.
MN-54	-2.223E-01	5.021E-01	5.120E-01	NOT IDENT.
CO-56	1.619E-01	5.764E-01	5.810E-01	NOT IDENT.
MN-56	1.000E+41	3.595E+41	0.000E+00	SHORT HLIF
CO-57	-2.251E-02	1.555E-01	1.558E-01	NOT IDENT.
CO-58	-2.754E-01	5.456E-01	5.596E-01	NOT IDENT.
FE-59	-7.692E-01	1.572E+00	1.609E+00	NOT IDENT.
ZN-65	1.793E-01	1.147E+00	1.150E+00	NOT IDENT.
GE-68	6.703E+00	1.867E+01	1.891E+01	NOT IDENT.
AS-73	-2.264E+00	4.631E+00	4.742E+00	NOT IDENT.
AS-74	3.357E-01	1.219E+00	1.229E+00	NOT IDENT.
SE-75	9.408E-02	4.782E-01	4.801E-01	NOT IDENT.
BR-77	-1.771E+02	6.404E+02	6.454E+02	NOT IDENT.
SR-82	-1.310E-02	4.894E+00	4.894E+00	NOT IDENT.

RB-83	-3.757E-02	9.117E-01	9.119E-01	NOT IDENT.
RB-84	-3.471E-01	1.195E+00	1.205E+00	NOT IDENT.
KR-85	-1.244E+01	8.028E+01	8.048E+01	NOT IDENT.
SR-85	-7.136E-02	4.586E-01	4.597E-01	NOT IDENT.
RB-86	2.506E+00	1.510E+01	1.514E+01	NOT IDENT.
Y-88	2.349E-02	2.264E-01	2.266E-01	NOT IDENT.
Y-91	-7.816E+01	1.900E+02	1.933E+02	NOT IDENT.
NB-94	-2.370E-01	3.326E-01	3.493E-01	NOT IDENT.
NB-95	-2.764E-01	4.928E-01	5.083E-01	NOT IDENT.
NB-95M	-6.148E-02	1.088E+00	1.088E+00	NOT IDENT.
ZR-95	3.102E-01	8.926E-01	9.035E-01	NOT IDENT.
NB-97	1.000E+41	1.255E+41	0.000E+00	SHORT HLIF
ZR-97	-7.235E+09	2.254E+10	2.277E+10	SHORT HLIF
MO-99	3.709E+02	8.776E+02	8.934E+02	NOT IDENT.
TC-99M	-1.293E+25	7.899E+25	0.000E+00	SHORT HLIF
RH-101	1.328E-01	1.926E-01	2.017E-01	FAIL ABUN
RH-102	-3.698E-01	6.881E-01	7.080E-01	NOT IDENT.
RU-103	-1.195E-01	5.797E-01	5.822E-01	NOT IDENT.
RH-106	1.871E+00	3.465E+00	3.566E+00	NOT IDENT.
RU-106	1.871E+00	3.465E+00	3.566E+00	NOT IDENT.
AG-108M	3.733E-01	4.906E-01	5.187E-01	FAIL ABUN
AG-110	1.840E+00	8.389E+00	8.429E+00	NOT IDENT.
AG-110M	2.933E-01	8.575E-01	8.676E-01	FAIL ABUN
SN-113	1.089E-02	5.893E-01	5.893E-01	NOT IDENT.
CD-115	1.160E+02	1.247E+03	1.248E+03	NOT IDENT.
SN-117M	-2.892E-01	5.215E-01	5.375E-01	NOT IDENT.
SB-122	2.562E+01	1.222E+02	1.228E+02	NOT IDENT.
TE-123M	-9.908E-02	1.935E-01	1.986E-01	NOT IDENT.
SB-124	2.893E-01	6.421E-01	6.552E-01	NOT IDENT.
SB-125	-5.175E-01	1.226E+00	1.248E+00	NOT IDENT.
TE-125M	4.003E+00	5.764E+01	5.767E+01	NOT IDENT.
I-126	-1.850E+00	3.838E+00	3.928E+00	NOT IDENT.
SB-126	-7.427E-01	2.271E+00	2.296E+00	NOT IDENT.
SB-127	-5.792E+00	5.110E+01	5.117E+01	NOT IDENT.
I-131	-2.350E+00	2.508E+00	2.722E+00	NOT IDENT.
I-132	-1.000E+41	5.093E+42	0.000E+00	SHORT HLIF
TE-132	-1.371E+01	2.934E+01	2.998E+01	FAIL ABUN
BA-133	-2.841E-02	4.763E-01	4.765E-01	NOT IDENT.
I-133	5.308E+06	2.095E+07	2.108E+07	SHORT HLIF
CS-134	-2.169E-02	4.612E-01	4.613E-01	NOT IDENT.
I-135	2.123E+23	2.536E+24	0.000E+00	SHORT HLIF
CS-136	4.851E-01	2.176E+00	2.187E+00	NOT IDENT.
LA-138	1.098E-01	2.511E-01	2.559E-01	NOT IDENT.
CE-139	7.695E-02	2.117E-01	2.145E-01	NOT IDENT.
BA-140	3.952E+00	4.463E+00	4.805E+00	NOT IDENT.
LA-140	-2.134E-01	8.688E-01	8.741E-01	NOT IDENT.
CE-141	-2.302E-02	4.550E-01	4.551E-01	NOT IDENT.
CE-143	5.382E+03	4.160E+04	4.167E+04	SHORT HLIF
CE-144	-2.801E-03	1.216E+00	1.216E+00	NOT IDENT.
PM-144	-2.899E-03	3.497E-01	3.497E-01	NOT IDENT.
PR-144	-3.233E+00	2.654E+01	2.658E+01	NOT IDENT.
PM-146	-1.958E-01	6.449E-01	6.509E-01	NOT IDENT.
ND-147	3.944E+00	1.064E+01	1.079E+01	NOT IDENT.
PM-147	-6.841E+01	4.471E+03	4.471E+03	NOT IDENT.
PM-149	2.804E+03	8.213E+03	8.310E+03	SHORT HLIF
EU-150	3.918E-02	2.913E-01	2.918E-01	NOT IDENT.
EU-152	3.792E-01	1.103E+00	1.116E+00	NOT IDENT.
GD-153	-1.873E-01	5.456E-01	5.521E-01	NOT IDENT.
EU-154	2.965E-02	8.168E-01	8.169E-01	NOT IDENT.
EU-155	-2.057E-01	5.789E-01	5.863E-01	FAIL ABUN
TB-160	-2.050E+00	2.147E+00	2.337E+00	FAIL ABUN
HO-166M	-1.018E-01	5.724E-01	5.742E-01	NOT IDENT.
TM-171	-6.875E+01	8.566E+01	9.110E+01	NOT IDENT.
HF-172	1.942E-01	1.169E+00	1.172E+00	NOT IDENT.
LU-172	8.235E-01	1.058E+00	1.121E+00	FAIL ABUN
LU-176	6.054E-03	2.777E-01	2.777E-01	FAIL ABUN
HF-181	3.485E-01	6.748E-01	6.928E-01	NOT IDENT.
TA-182	3.763E-01	1.502E+00	1.512E+00	NOT IDENT.
RE-183	6.711E+02	7.296E+01	3.112E+02	FAIL ABUN
RE-184	-1.916E-01	2.280E+00	2.281E+00	NOT IDENT.
W-188	4.975E+01	7.101E+01	7.447E+01	NOT IDENT.
IR-192	-2.668E-01	3.937E-01	4.116E-01	NOT IDENT.
HG-203	2.829E-02	3.973E-01	3.975E-01	NOT IDENT.
TL-204	4.528E+00	1.761E+01	1.773E+01	NOT IDENT.
BI-207	-3.405E-01	7.449E-01	7.605E-01	NOT IDENT.
TL-208	-4.550E-02	3.926E-01	3.932E-01	NOT IDENT.
BI-211	-1.872E+00	2.232E+00	2.386E+00	NOT IDENT.
PB-211	3.154E+00	8.255E+00	8.377E+00	NOT IDENT.

BI-212	5.251E+00	5.441E+00	5.933E+00	NOT IDENT.
PB-212	-2.428E-01	5.022E-01	5.140E-01	FAIL ABUN
BI-213	1.260E+00	1.478E+00	1.584E+00	NOT IDENT.
BI-214	-1.794E-01	7.280E-01	7.324E-01	NOT IDENT.
PB-214	-5.487E-01	8.055E-01	8.427E-01	FAIL ABUN
RN-219	4.305E-01	4.980E+00	4.984E+00	NOT IDENT.
RN-222	-1.794E-01	7.280E-01	7.324E-01	NOT IDENT.
RA-223	-1.684E+00	6.996E+00	7.037E+00	NOT IDENT.
RA-224	2.797E+00	5.223E+00	5.373E+00	NOT IDENT.
AC-225	1.191E+00	8.813E+00	8.829E+00	NOT IDENT.
RA-226	-5.487E-01	8.055E-01	8.427E-01	FAIL ABUN
AC-227	-1.919E+00	2.318E+00	2.474E+00	NOT IDENT.
TH-227	-1.919E+00	2.318E+00	2.474E+00	NOT IDENT.
AC-228	-2.514E-01	2.307E+00	2.310E+00	NOT IDENT.
RA-228	-2.514E-01	2.307E+00	2.310E+00	NOT IDENT.
TH-228	-2.428E-01	5.022E-01	5.140E-01	FAIL ABUN
TH-229	-1.968E+00	4.049E+00	4.145E+00	FAIL ABUN
TH-230	-5.487E-01	8.055E-01	8.427E-01	FAIL ABUN
PA-231	5.090E-01	4.718E+00	4.723E+00	NOT IDENT.
TH-231	-1.684E+00	6.996E+00	7.037E+00	NOT IDENT.
TH-232	-2.514E-01	2.307E+00	2.310E+00	NOT IDENT.
PA-233	-1.099E-01	6.948E-01	6.966E-01	NOT IDENT.
PA-234	-5.359E-01	5.000E+00	5.006E+00	NOT IDENT.
PA-234M	2.652E+01	6.301E+01	6.413E+01	NOT IDENT.
TH-234	3.417E+00	3.967E+00	4.255E+00	NOT IDENT.
U-234	-5.487E-01	8.055E-01	8.427E-01	FAIL ABUN
U-235	1.064E-01	1.272E+00	1.273E+00	NOT IDENT.
NP-237	-1.099E-01	6.948E-01	6.966E-01	NOT IDENT.
NP-238	-1.044E+03	3.534E+03	3.565E+03	SHORT HLIF
U-238	3.417E+00	3.967E+00	4.255E+00	NOT IDENT.
NP-239	-1.192E+00	1.533E+00	1.625E+00	NOT IDENT.
PU-239	-1.298E+03	2.008E+03	2.091E+03	NOT IDENT.
AM-243	1.394E-02	2.033E-01	2.034E-01	FAIL ABUN
CM-243	3.302E-01	6.038E-01	6.219E-01	NOT IDENT.
BK-247	1.390E-01	8.262E-01	8.286E-01	NOT IDENT.
CM-247	5.332E-02	4.203E-01	4.210E-01	NOT IDENT.
CF-249	-1.264E-01	5.056E-01	5.088E-01	NOT IDENT.
CF-251	-4.872E-01	8.952E-01	9.217E-01	NOT IDENT.
ANH-511	-2.109E-01	3.606E-01	3.730E-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	2943.1011	85.43	409.7223	131.20	273.0647
45.60	2981.1755	86.55	412.8575	133.02	300.9523
46.54	2998.1824	86.79	436.3323	133.52	283.8528
49.72	3836.7205	86.94	436.5765	136.00	290.6686
51.35	3691.9954	87.09	436.8162	136.47	295.2061
51.87	3705.1106	87.57	437.5765	140.51	306.6472
52.39	3708.2463	88.03	438.3046	143.76	301.3880
52.97	3588.0671	88.34	427.1739	144.24	302.5875
53.44	3673.3066	88.47	427.3713	145.44	288.0271
54.07	3519.2188	89.96	366.8102	152.43	270.1006
57.36	0.0000	90.64	417.4979	153.25	263.6233
57.53	3998.7942	91.11	399.1140	154.21	285.1903
57.98	2348.2627	92.59	379.0530	156.02	273.1785
59.27	2363.4773	93.35	377.0915	158.56	293.2761
59.32	2364.0664	94.56	357.8668	159.00	282.9492
59.54	2366.6326	94.65	357.9771	162.33	299.2654
60.96	525.1262	94.67	358.0028	162.66	308.3938
61.17	525.6608	94.87	398.3809	163.33	287.4200
62.93	447.6434	97.43	398.8174	165.86	274.6184
63.29	461.5166	98.43	344.4819	176.31	252.1938
63.58	464.7736	98.44	344.4924	176.60	284.4615
64.28	537.4253	99.53	363.8425	177.52	276.7128
66.73	476.8890	100.11	366.7990	181.07	296.2646
67.24	476.6519	102.03	342.4404	181.52	287.2618
67.68	492.3044	103.18	355.9138	184.41	335.4840
67.75	459.0012	103.37	361.4766	185.72	338.2040
68.89	481.5050	105.21	356.6519	193.51	314.7860
69.67	431.8701	105.31	352.1518	197.03	292.9841
70.82	419.0992	106.12	339.9353	198.01	293.5088
70.83	419.1227	106.47	334.9004	201.83	299.3973
72.81	410.3577	109.28	315.9919	203.43	325.3580
72.87	407.7265	111.00	324.6684	205.31	312.8865
74.66	408.0208	111.76	323.8347	210.85	313.9762
74.82	405.5330	114.06	331.5569	215.65	339.2496
74.97	405.7798	116.30	333.7102	218.12	348.5894
77.11	431.6046	116.74	323.7878	222.11	337.9551
78.74	409.1903	119.76	329.7733	227.09	301.5244
79.69	454.3272	121.12	311.6945	227.38	301.6663
80.03	440.8392	121.22	311.7802	228.16	313.1212
80.12	441.0016	121.78	329.2090	228.18	313.1355
80.19	441.1210	122.06	314.1216	235.69	296.5237
80.57	509.5181	122.92	326.1953	235.96	296.6481
81.00	411.4034	123.07	326.3275	238.63	317.3366
81.07	411.5188	123.68	306.5944	238.98	317.5069
81.75	433.8611	125.81	309.9966	240.99	274.3171
82.47	405.2039	127.23	285.7885	242.00	318.9922
83.79	432.9456	127.91	303.5340	244.70	294.4803
84.00	418.9879	129.30	305.4681	252.40	280.1290

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
252.80	265.6505	351.06	252.4565	569.33	105.3809
254.15	0.0000	351.93	245.5851	569.50	104.4362
256.23	283.8119	355.39	0.0000	569.70	111.1572
260.90	243.4064	356.01	240.7257	583.19	125.7682
264.66	268.1268	364.49	252.5665	584.27	120.0544
264.80	268.1807	366.42	224.1616	595.83	92.7193
265.00	268.2576	372.51	238.9515	600.60	109.6667
269.46	251.3744	375.05	261.4801	602.52	0.0000
270.03	274.4453	377.52	249.9626	604.72	116.8501
271.23	275.9801	383.85	257.7319	607.14	117.0389
273.65	261.8212	388.16	258.8599	609.32	113.2733
276.40	273.6227	388.63	250.3551	610.33	101.5205
277.37	254.4925	391.69	249.8862	614.28	101.7930
277.60	239.4054	400.66	270.8460	618.01	102.0444
278.00	259.0504	401.81	226.1671	620.36	93.2733
279.20	250.7881	402.40	233.3846	621.93	96.3527
279.54	242.2117	404.85	238.9559	630.19	0.0000
279.70	253.1301	410.95	273.9880	631.29	113.9351
280.46	275.1360	413.71	280.6165	633.25	102.0706
283.69	265.4105	414.70	264.0110	634.78	104.1777
284.31	277.6575	423.72	296.8900	635.95	100.2482
285.41	257.2607	427.09	288.4401	636.99	102.3196
285.90	0.0000	427.87	301.4562	657.50	82.3250
287.50	251.3912	433.94	279.5345	657.76	82.3381
290.67	208.3453	439.40	300.3440	657.90	0.0000
293.27	0.0000	440.45	286.8052	661.66	82.5392
295.22	230.6484	453.88	348.8409	664.57	0.0000
295.96	278.5910	463.37	326.1664	666.33	101.1753
298.58	240.5544	468.07	366.4362	666.50	98.1172
299.98	262.1805	473.00	353.7562	667.71	0.0000
300.09	262.2163	475.06	350.8101	677.62	81.2984
300.13	262.2307	476.78	305.8403	685.70	91.0078
301.36	250.3457	477.60	287.3119	692.65	67.5020
302.85	240.7399	482.18	232.8849	695.00	90.4763
304.50	278.2659	487.02	232.0226	696.49	82.2306
304.85	264.9166	492.35	233.0409	696.51	85.3533
306.78	257.6809	497.08	207.6431	697.00	81.2151
308.46	283.0261	505.52	192.6225	697.30	83.3105
311.90	267.2429	507.63	0.0000	697.49	88.5278
316.51	263.0614	511.00	199.8799	702.65	87.7563
319.41	226.2728	514.00	181.9753	706.68	67.0208
320.08	256.1904	514.00	181.9753	711.68	69.3167
321.04	254.1943	520.40	170.8781	720.70	87.6302
323.87	269.9904	520.69	169.9919	721.93	0.0000
325.23	247.4127	522.65	0.0000	722.78	82.4497
328.76	246.1317	527.90	157.0072	722.91	83.5132
333.37	250.9431	528.26	169.1291	723.31	84.5898
333.97	245.3017	529.59	162.7879	724.19	85.6901
334.37	244.2545	529.87	0.0000	727.33	74.1870
338.28	255.8654	531.02	154.5848	733.00	74.4291
338.32	255.8787	537.26	125.3796	735.93	82.0068
340.48	251.8219	546.56	0.0000	737.46	89.5405
340.55	251.8416	552.55	137.2296	739.50	90.7103
344.28	247.0294	563.25	95.3817	744.23	77.0420
345.93	253.3769	564.24	103.0869	747.24	90.0327

ENERGY	MDA COUNTS	ENERGY	MDA COUNTS	ENERGY	MDA COUNTS
748.06	93.2906	954.55	0.0000	1408.01	6.3248
752.31	92.4388	962.31	131.4781	1434.09	6.3757
753.82	96.8188	964.08	131.5813	1435.80	3.1895
756.73	84.0461	966.17	133.1104	1457.56	0.0000
756.80	84.0493	968.97	139.2196	1460.82	9.6416
763.94	82.2158	983.53	115.5547	1489.16	6.4819
765.81	95.2939	984.45	0.0000	1505.03	3.2562
766.42	83.4104	996.26	101.6675	1584.12	3.3303
766.84	75.8447	1001.03	97.3247	1596.21	8.9106
772.60	0.0000	1002.74	104.6785	1620.50	8.9702
776.52	92.5814	1004.73	109.3213	1621.92	6.7302
777.92	123.1707	1021.30	0.0000	1678.03	0.0000
778.90	105.7898	1025.87	0.0000	1690.97	5.4841
783.70	109.3424	1028.54	0.0000	1750.46	0.0000
788.74	96.4792	1037.84	97.9193	1764.49	0.9314
792.07	79.0781	1038.76	0.0000	1770.23	4.6638
795.86	81.4373	1046.59	93.6334	1771.35	1.8660
801.95	85.0114	1048.07	93.6888	1791.20	0.0000
1093.63	104.2201	1049.04	96.5098	1808.65	4.7083
810.29	107.5581	1050.41	88.2101	1810.72	0.0000
810.45	107.5660	1063.66	105.4892	1836.06	3.7920
810.76	105.3636	1077.00	99.4850		
815.77	107.8620	1077.34	95.7433		
818.51	110.2430	1085.87	88.5323		
832.01	100.9131	1093.63	107.3251		
834.85	116.7757	1099.45	124.9907		
835.71	108.9632	1112.07	100.8630		
836.80	0.0000	1112.84	102.7991		
846.75	0.0000	1115.54	83.8481		
846.77	100.5342	1120.29	70.6396		
856.80	111.2509	1120.55	67.7802		
860.56	110.3209	1121.30	67.8019		
871.09	99.4574	1129.67	65.1445		
873.19	113.2925	1131.51	0.0000		
875.33	0.0000	1147.95	0.0000		
879.38	129.6999	1173.23	48.6908		
880.51	97.6137	1177.95	48.3830		
881.60	117.1987	1189.05	37.2184		
883.24	110.3906	1204.77	38.4168		
884.68	110.4688	1221.41	27.7454		
889.28	124.5498	1231.02	21.8738		
894.76	122.5625	1235.36	20.9116		
898.04	108.8558	1238.28	15.9492		
900.72	129.8646	1260.41	0.0000		
903.28	128.8586	1271.87	19.1600		
911.20	142.1546	1274.44	17.1588		
912.08	132.8840	1274.54	17.1588		
923.98	0.0000	1291.59	14.2128		
926.50	136.4149	1298.22	0.0000		
929.11	137.4569	1312.11	12.2666		
935.54	124.4289	1332.49	12.3486		
937.49	151.4301	1362.66	0.0000		
944.13	164.6600	1365.19	7.2803		
946.00	150.9445	1368.63	0.0000		
949.00	150.2629	1384.29	8.3706		

Continuing Calibration Data

Review of Gamma Spectrometer QA results (Daily calibration & background checks)
12-DEC-2023 09:43:05

Run Date	Detector	Parameter	Flag	Status	Comments
12-DEC-23	GAM01	All Parameters Passed			
12-DEC-23	GAM02	Cal Check PSFWHM-59	Investigate		
12-DEC-23	GAM03	Cal Check PSFWHM-59	Investigate		
12-DEC-23	GAM04	Cal Check PSFWHM-59	Action	Lockout	Detector locked out.
12-DEC-23	GAM04	Cal Check NLACTVTY-1332	Investigate		
12-DEC-23	GAM05	Cal Check NLACTVTY-59	Investigate		
12-DEC-23	GAM06	All Parameters Passed			
12-DEC-23	GAM07	All Parameters Passed			
12-DEC-23	GAM08	Cal Check NLACTVTY-59	Investigate		
12-DEC-23	GAM11	All Parameters Passed			
12-DEC-23	GAM12	Cal Check PSFWHM-59	Investigate		
12-DEC-23	GAM12	Cal Check PSFWHM-662	Investigate		
12-DEC-23	GAM12	Cal Check PSFWHM-1332	Investigate		
12-DEC-23	GAM14	All Parameters Passed			
12-DEC-23	GAM16	All Parameters Passed			
12-DEC-23	GAM18	All Parameters Passed			
12-DEC-23	GAM19	All Parameters Passed			
12-DEC-23	GAM20	Cal Check PSFWHM-1332	Investigate		
12-DEC-23	GAM21	All Parameters Passed			
	GAM22	Cal Check may not have run since 12-DEC-2023			Detector locked out.
10-DEC-23	GAM22	Bkg Check may not have run since 12-DEC-2023			Detector locked out.
12-DEC-23	GAM23	All Parameters Passed			
12-DEC-23	GAM24	All Parameters Passed			
12-DEC-23	GAM27	Cal Check NLACTVTY-59	Investigate		
03-DEC-23	GAM29	Bkg Check may not have run since 12-DEC-2023			Detector locked out.
12-DEC-23	GAM30	Cal Check PSFWHM-662	Investigate		
03-DEC-23	GAM30	Bkg Check may not have run since 12-DEC-2023			Detector locked out.
12-DEC-23	GAM31	All Parameters Passed			
12-DEC-23	GAM32	Cal Check NLACTVTY-662	Investigate		
09-DEC-23	GAM33	Cal Check may not have run since 12-DEC-2023			Detector locked out.
03-DEC-23	GAM33	Bkg Check may not have run since 12-DEC-2023			Detector locked out.
06-DEC-23	GAM34	Cal Check may not have run since 12-DEC-2023			Detector locked out.
04-DEC-23	GAM34	Bkg Check may not have run since 12-DEC-2023			Detector locked out.
12-DEC-23	GAM38	All Parameters Passed			
12-DEC-23	GAM40	Cal Check NLACTVTY-59	Investigate		

12-DEC-23	GAM41	Cal Check PSFWHM-59	Action	Lockout	Detector locked out.
12-DEC-23	GAM41	Cal Check PSFWHM-662	Action	Lockout	Detector locked out.
12-DEC-23	GAM41	Cal Check PSFWHM-1332	Investigate		
12-DEC-23	GAM43	Cal Check PSFWHM-1332	Investigate		
12-DEC-23	GAM43	Cal Check NLACTVTY-59	Investigate		
18-MAY-23	GAM44	Cal Check may not have run since 12-DEC-2023			Detector locked out.
21-MAY-23	GAM44	Bkg Check may not have run since 12-DEC-2023			Detector locked out.
12-DEC-23	GAM46	All Parameters Passed			
12-DEC-23	GAM47	All Parameters Passed			
12-DEC-23	GAM48	All Parameters Passed			
12-DEC-23	GAM50	Cal Check PSFWHM-59	Investigate		
12-DEC-23	GAM50	Cal Check PSFWHM-662	Investigate		
12-DEC-23	GAM50	Cal Check PSFWHM-1332	Investigate		
12-DEC-23	GAM52	Cal Check NLACTVTY-1332	Investigate		
12-DEC-23	GAM53	All Parameters Passed			
12-DEC-23	GAM56	Cal Check PSFWHM-59	Investigate		
12-DEC-23	GAM56	Cal Check NLACTVTY-1332	Investigate		
12-DEC-23	XRAY1	Cal Check PSFWHM-40	Action	Approved	Low FWHM, approved for use.
12-DEC-23	XRAY1	Bkg Check BACKRATE	Investigate		
12-DEC-23	XRAY2	All Parameters Passed			
12-DEC-23	XRAY3	All Parameters Passed			
12-DEC-23	XRAY6	Cal Check PSFWHM-29	Action	Approved	Low FWHM, approved for use.
12-DEC-23	XRAY7	Cal Check PSFWHM-40	Investigate		

APPROVAL DATE: 12-DEC-2023 APPROVAL TIME: 09:52:42

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.

Review of Gamma Spectrometer QA results (Daily calibration & background checks)
13-DEC-2023 08:41:31

Run Date	Detector	Parameter	Flag	Status	Comments
13-DEC-23	GAM01	Cal Check NLACTVTY-1332	Investigate		
13-DEC-23	GAM02	Cal Check PSFWHM-59	Investigate		
13-DEC-23	GAM03	Cal Check NLACTVTY-59	Investigate		
13-DEC-23	GAM04	All Parameters Passed			
13-DEC-23	GAM05	All Parameters Passed			
13-DEC-23	GAM06	Bkg Check BACKRATE	Investigate		
13-DEC-23	GAM07	Cal Check NLACTVTY-59	Investigate		
13-DEC-23	GAM08	All Parameters Passed			
13-DEC-23	GAM11	All Parameters Passed			
13-DEC-23	GAM12	All Parameters Passed			
13-DEC-23	GAM14	All Parameters Passed			
13-DEC-23	GAM16	All Parameters Passed			
13-DEC-23	GAM18	All Parameters Passed			
13-DEC-23	GAM19	All Parameters Passed			
13-DEC-23	GAM20	Cal Check PSFWHM-662	Investigate		
13-DEC-23	GAM21	All Parameters Passed			
	GAM22	Cal Check may not have run since 13-DEC-2023			Detector locked out.
10-DEC-23	GAM22	Bkg Check may not have run since 13-DEC-2023			Detector locked out.
13-DEC-23	GAM23	Cal Check NLACTVTY-59	Investigate		
13-DEC-23	GAM24	All Parameters Passed			
13-DEC-23	GAM27	All Parameters Passed			
13-DEC-23	GAM29	Cal Check NLACTVTY-662	Investigate		
13-DEC-23	GAM30	Bkg Check BACKRATE	Investigate		
13-DEC-23	GAM31	All Parameters Passed			
13-DEC-23	GAM32	All Parameters Passed			
09-DEC-23	GAM33	Cal Check may not have run since 13-DEC-2023			Detector locked out.
03-DEC-23	GAM33	Bkg Check may not have run since 13-DEC-2023			Detector locked out.
06-DEC-23	GAM34	Cal Check may not have run since 13-DEC-2023			Detector locked out.
04-DEC-23	GAM34	Bkg Check may not have run since 13-DEC-2023			Detector locked out.
13-DEC-23	GAM38	All Parameters Passed			
13-DEC-23	GAM40	Cal Check NLACTVTY-59	Investigate		
13-DEC-23	GAM41	Cal Check PSFWHM-59	Action	Lockout	Detector locked out.
13-DEC-23	GAM41	Cal Check PSFWHM-662	Action	Lockout	Detector locked out.
13-DEC-23	GAM43	Cal Check NLACTVTY-1332	Investigate		
18-MAY-23	GAM44	Cal Check may not have run since 13-DEC-2023			Detector locked out.
21-MAY-23	GAM44	Bkg Check may not have run since 13-DEC-2023			Detector locked out.
13-DEC-23	GAM46	All Parameters Passed			
13-DEC-23	GAM47	All Parameters Passed			
13-DEC-23	GAM48	All Parameters Passed			

13-DEC-23	GAM50	Bkg Check BACKRATE	Investigate		
13-DEC-23	GAM52	All Parameters Passed			
12-DEC-23	GAM53	Cal Check may not have run since 13-DEC-2023			Not Run
08-DEC-23	GAM53	Bkg Check may not have run since 13-DEC-2023			Not Run
12-DEC-23	GAM56	Cal Check may not have run since 13-DEC-2023			Not Run
08-DEC-23	GAM56	Bkg Check may not have run since 13-DEC-2023			Not Run
13-DEC-23	XRAY1	Cal Check NLACTVTY-40	Investigate		
13-DEC-23	XRAY2	All Parameters Passed			
13-DEC-23	XRAY3	All Parameters Passed			
13-DEC-23	XRAY6	Cal Check PSFWHM-29	Investigate		
13-DEC-23	XRAY6	Cal Check PSFWHM-40	Investigate		
13-DEC-23	XRAY7	All Parameters Passed			

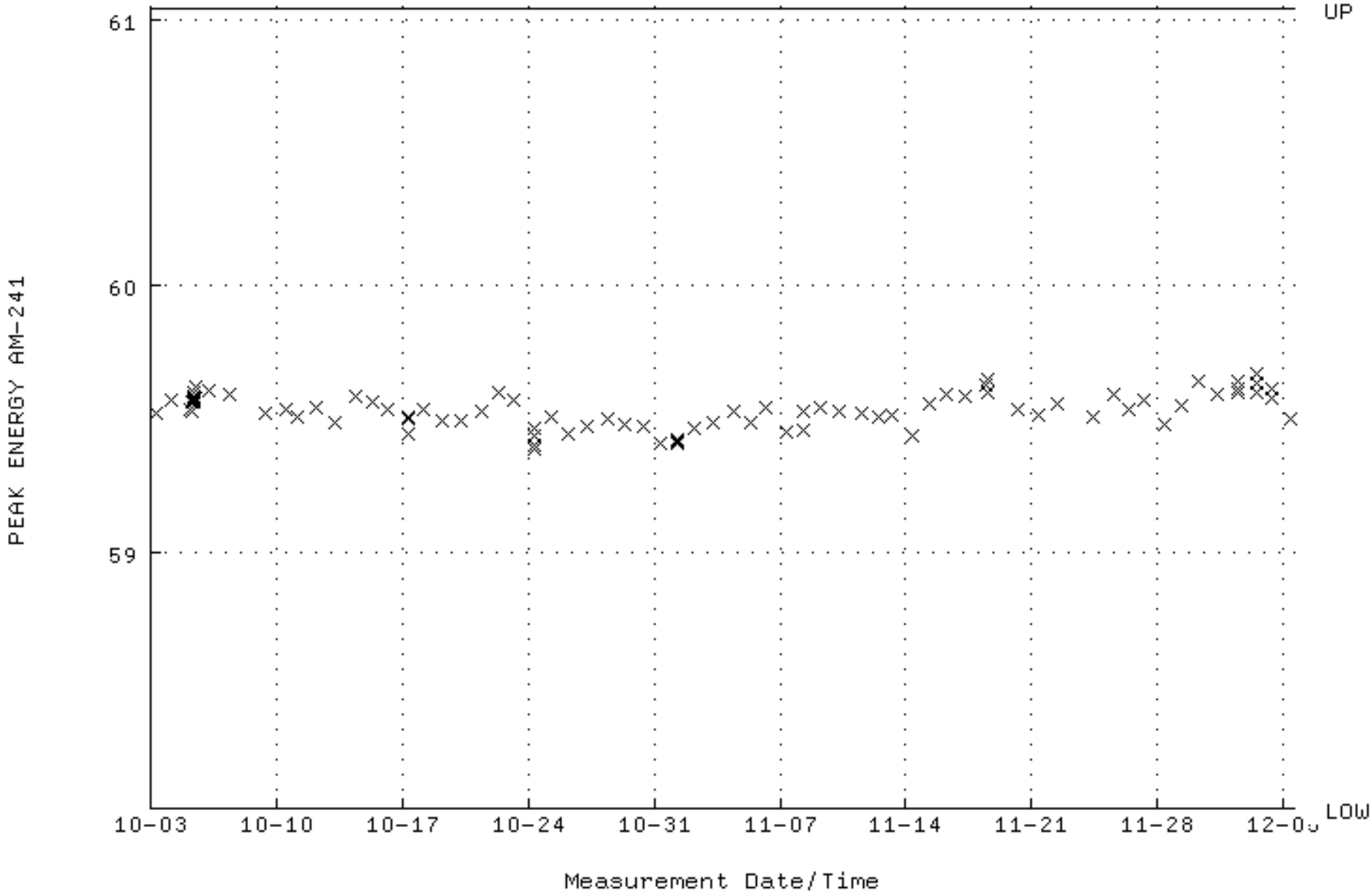
APPROVAL DATE: 13-DEC-2023 APPROVAL TIME: 09:30:59

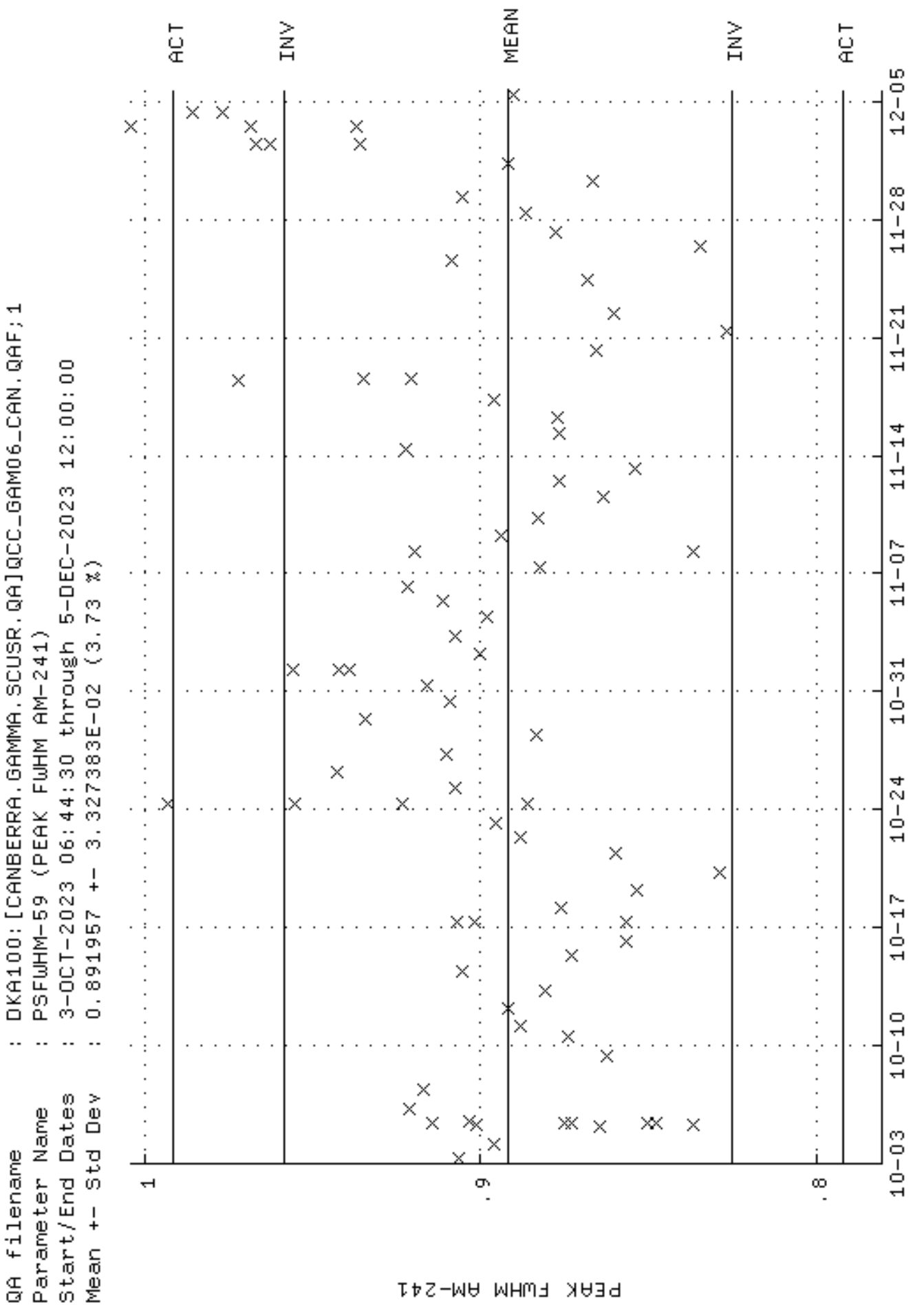
APPROVED BY: Rebekah Futch PROCEDURE # GL-RAD-I-001

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.

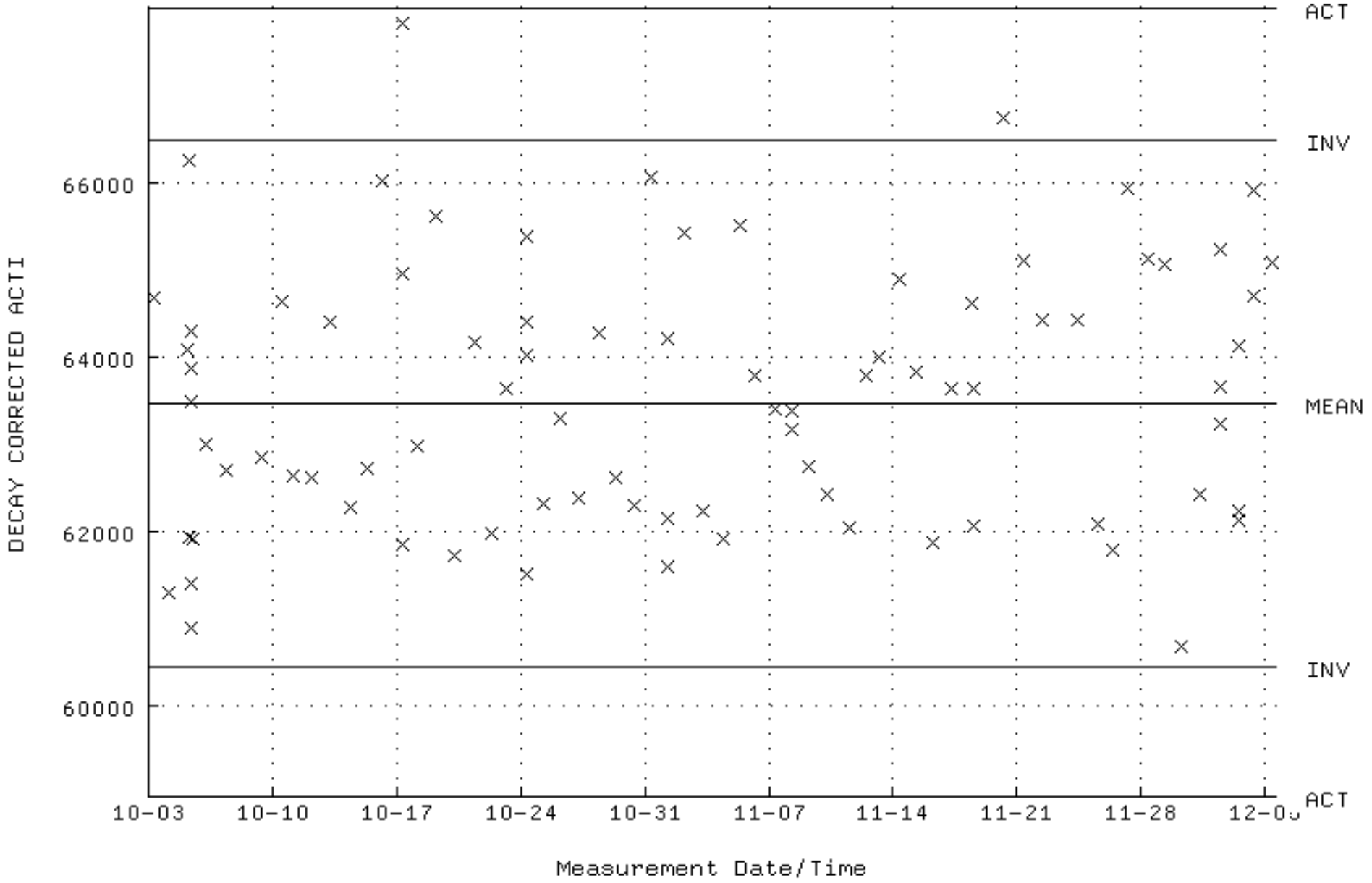
Background and Efficiency Data

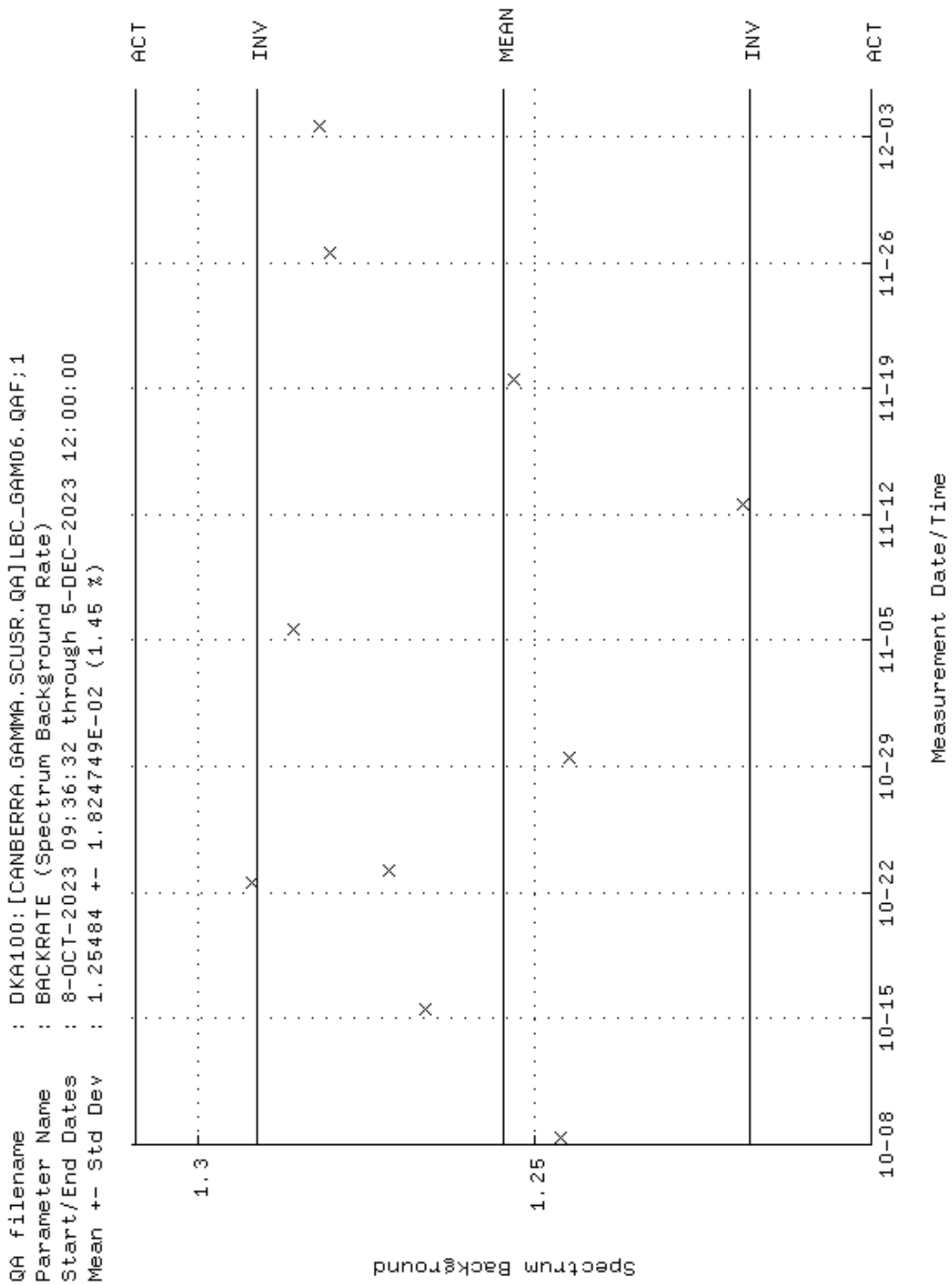
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM06_CAN.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 3-OCT-2023 06:44:30 through 5-DEC-2023 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400



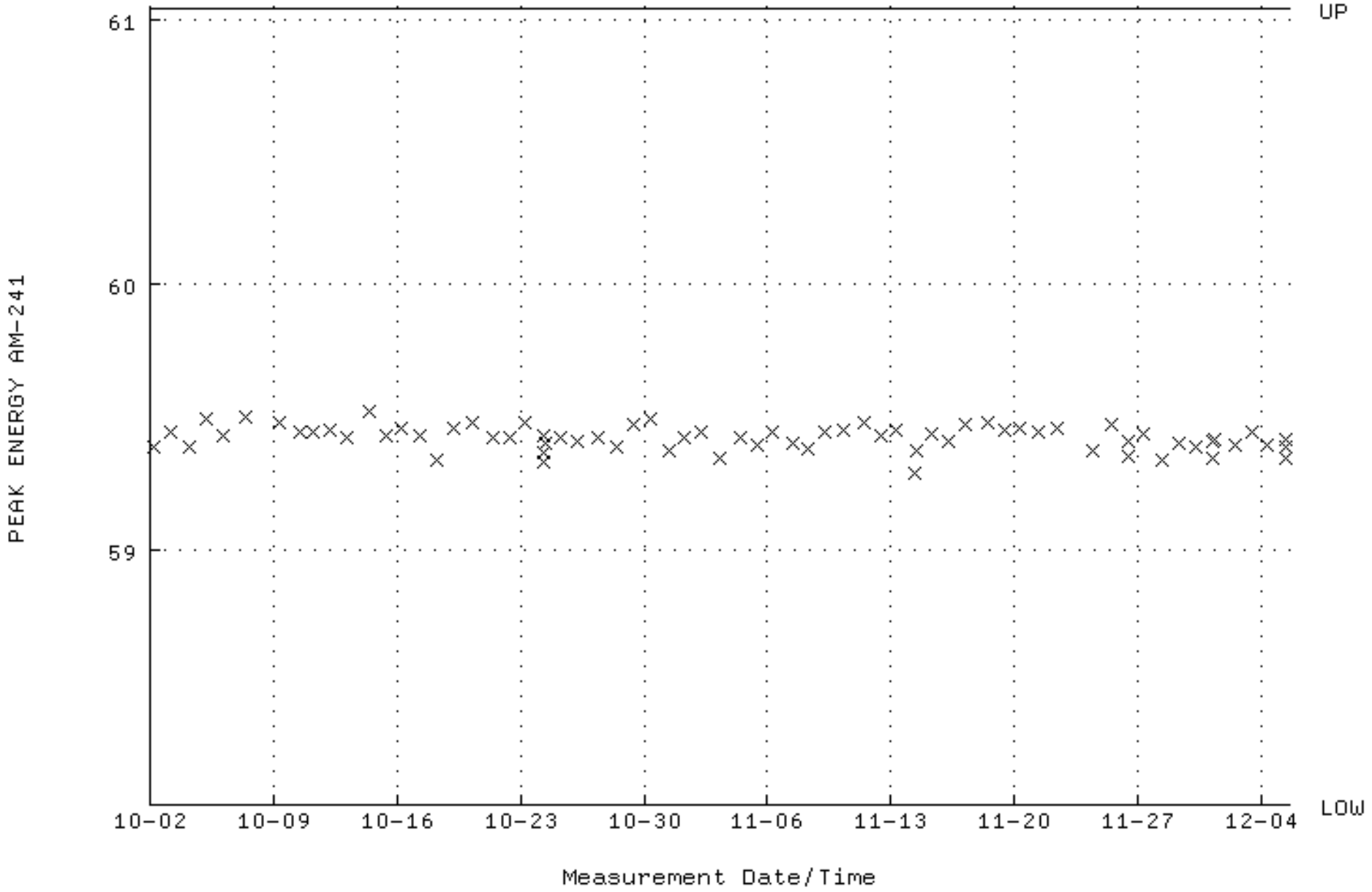

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM06_CAN.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 3-OCT-2023 06:44:30 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 0.891957 +- 3.327383E-02 (3.73 %)
ACT
INV
MEAN
INV
ACT
1
.9
.8
PEAK FWHM AM-241
10-03
10-10
10-17
10-24
10-31
11-07
11-14
11-21
11-28
12-05
Measurement Date/Time

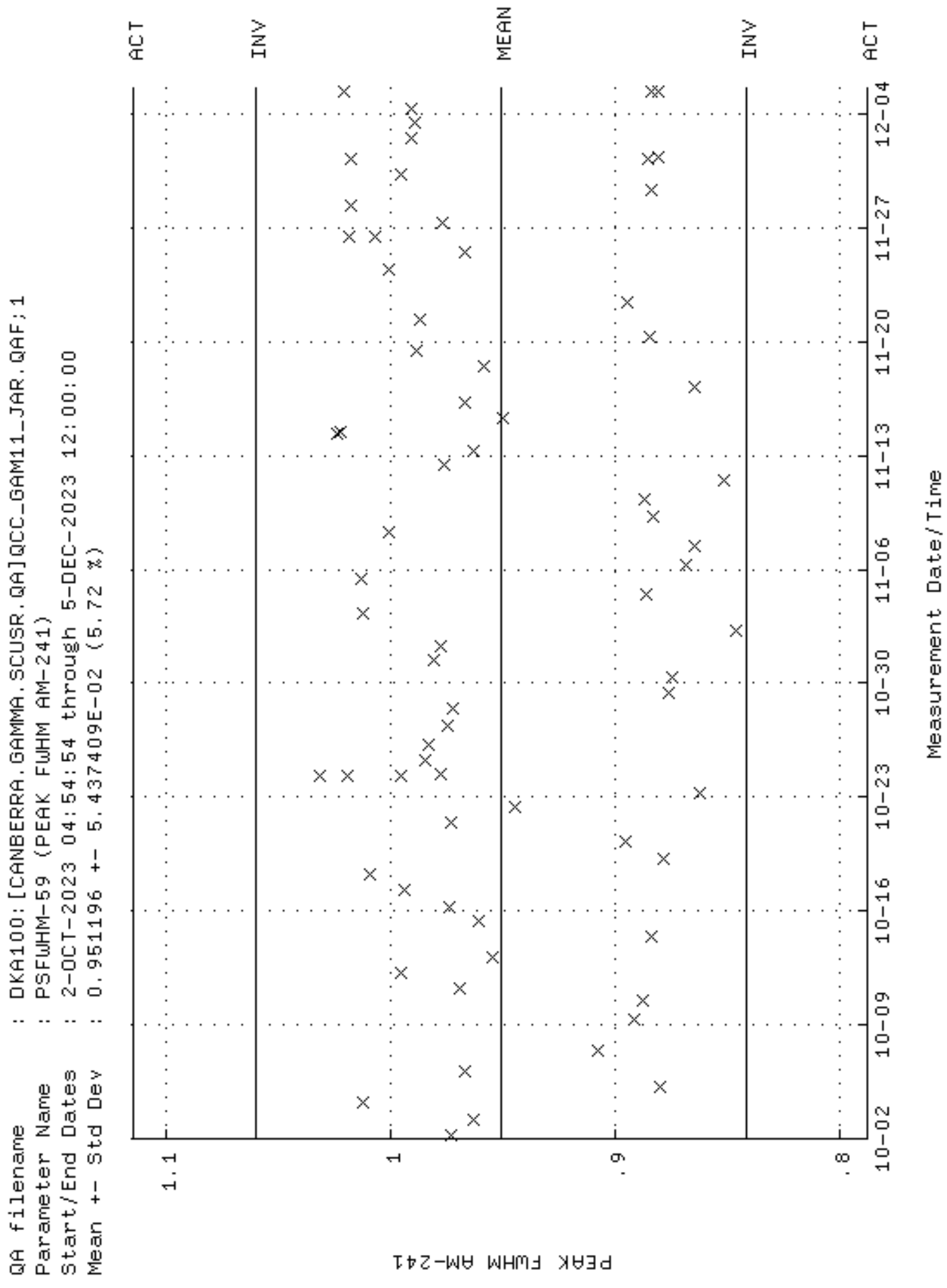
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM06_CAN.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 3-OCT-2023 06:44:30 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 63473.8 +- 1503.81 (2.37 %)



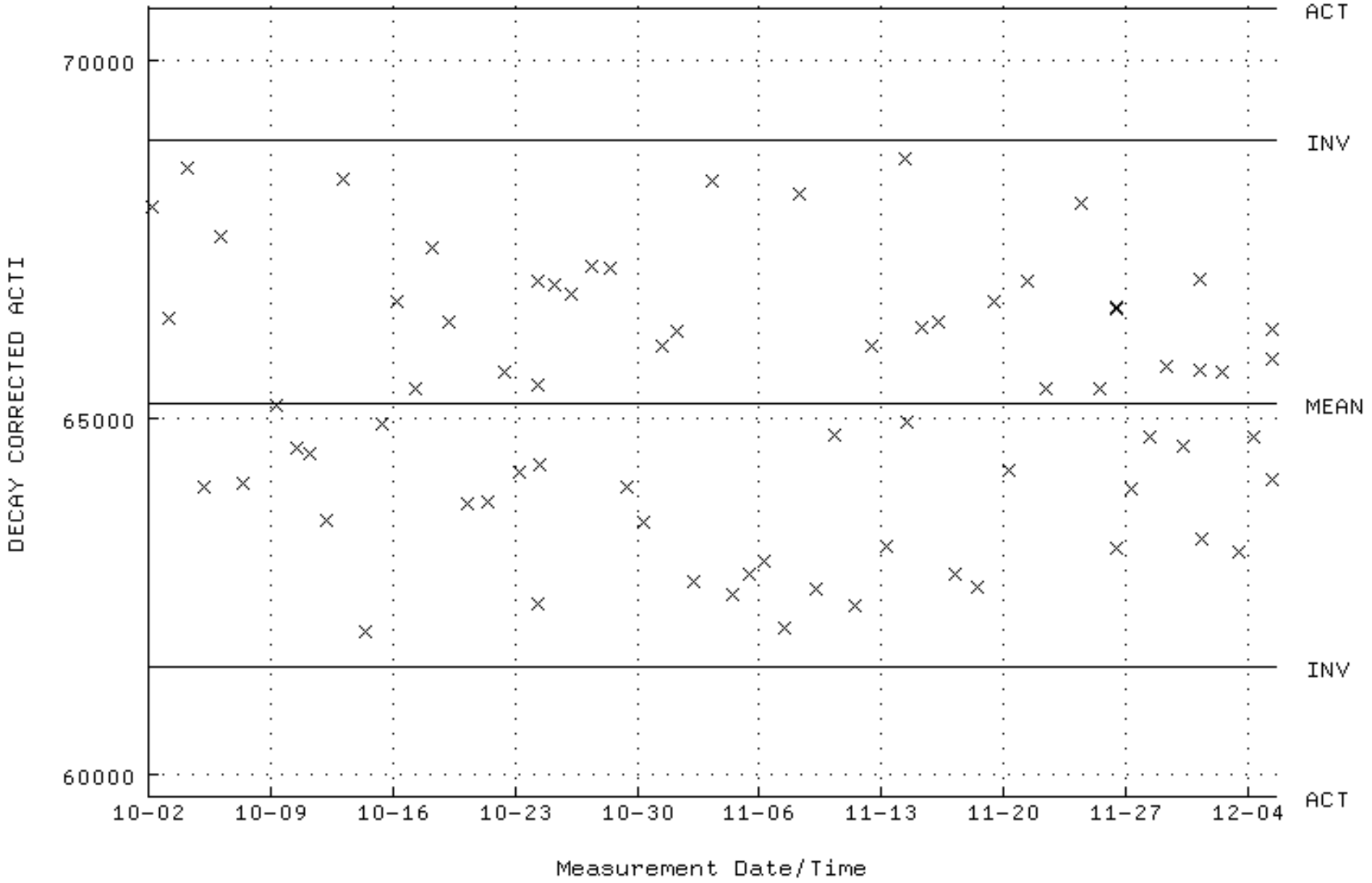

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM06.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 8-OCT-2023 09:36:32 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 1.25484 +- 1.824749E-02 (1.45 %)
ACT
INV
MEAN
INV
ACT
1.3
1.25
Spectrum Background
10-08
10-15
10-22
10-29
11-05
11-12
11-19
11-26
12-03
Measurement Date/Time

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM11_JAR.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-OCT-2023 04:54:54 through 5-DEC-2023 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400

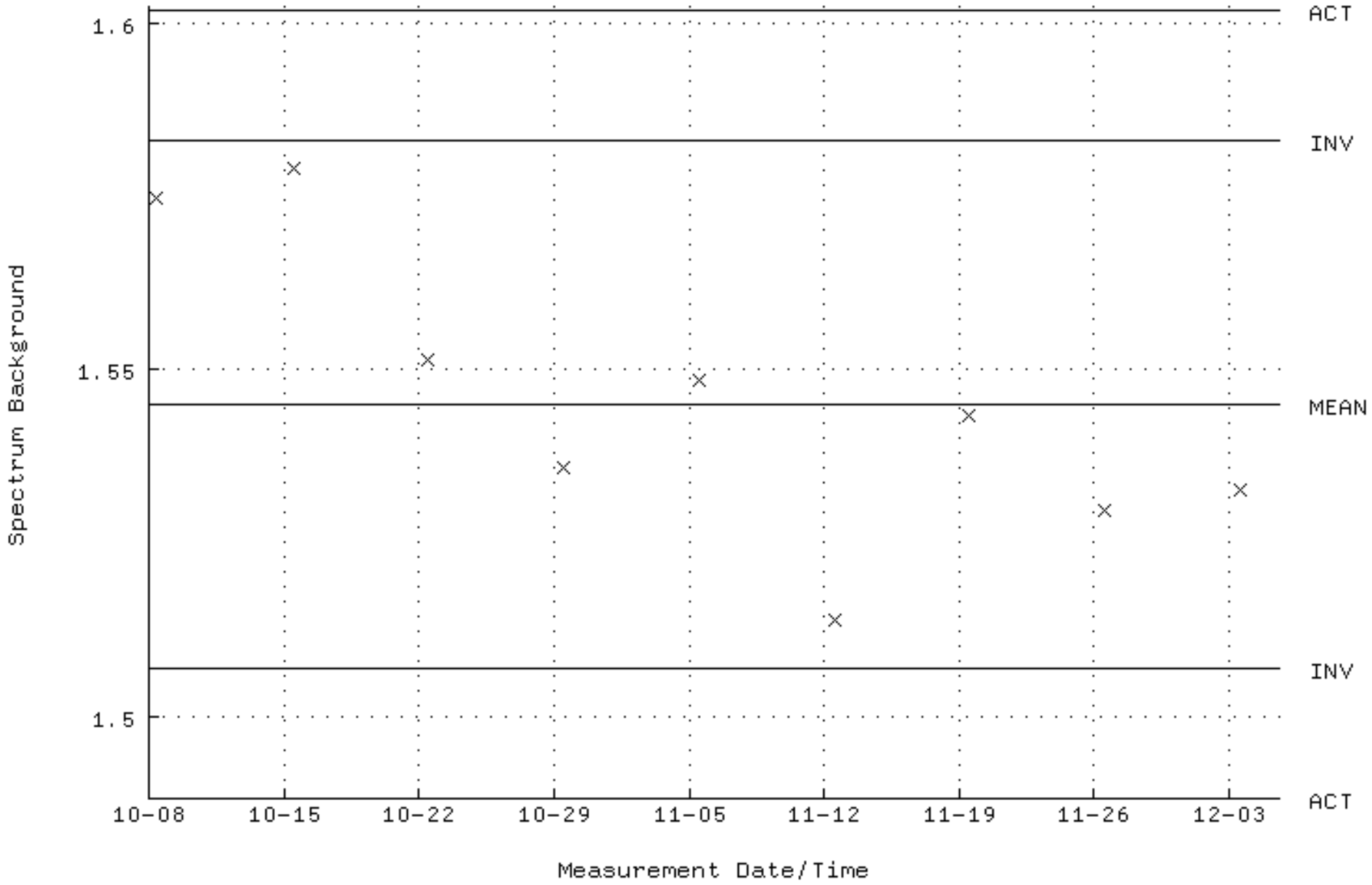



QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM11_JAR.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-OCT-2023 04:54:54 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 0.951196 +- 5.437409E-02 (5.72 %)
ACT
INV
MEAN
INV
ACT
1.1
1
.9
.8
PEAK FWHM AM-241
10-02
10-09
10-16
10-23
10-30
11-06
11-13
11-20
11-27
12-04
Measurement Date/Time

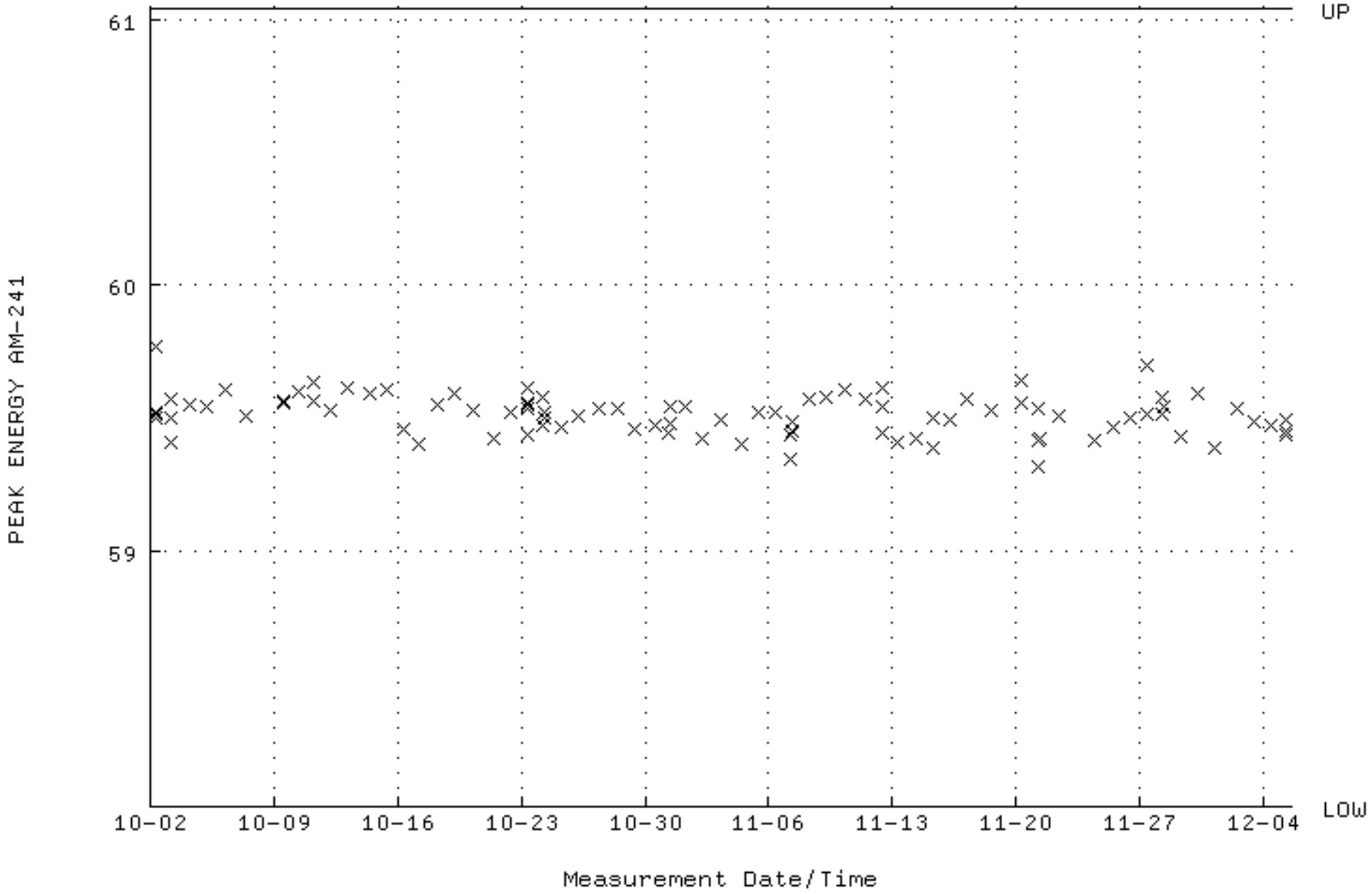
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM11_JAR.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-OCT-2023 04:54:54 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 65210.2 +- 1836.30 (2.82 %)



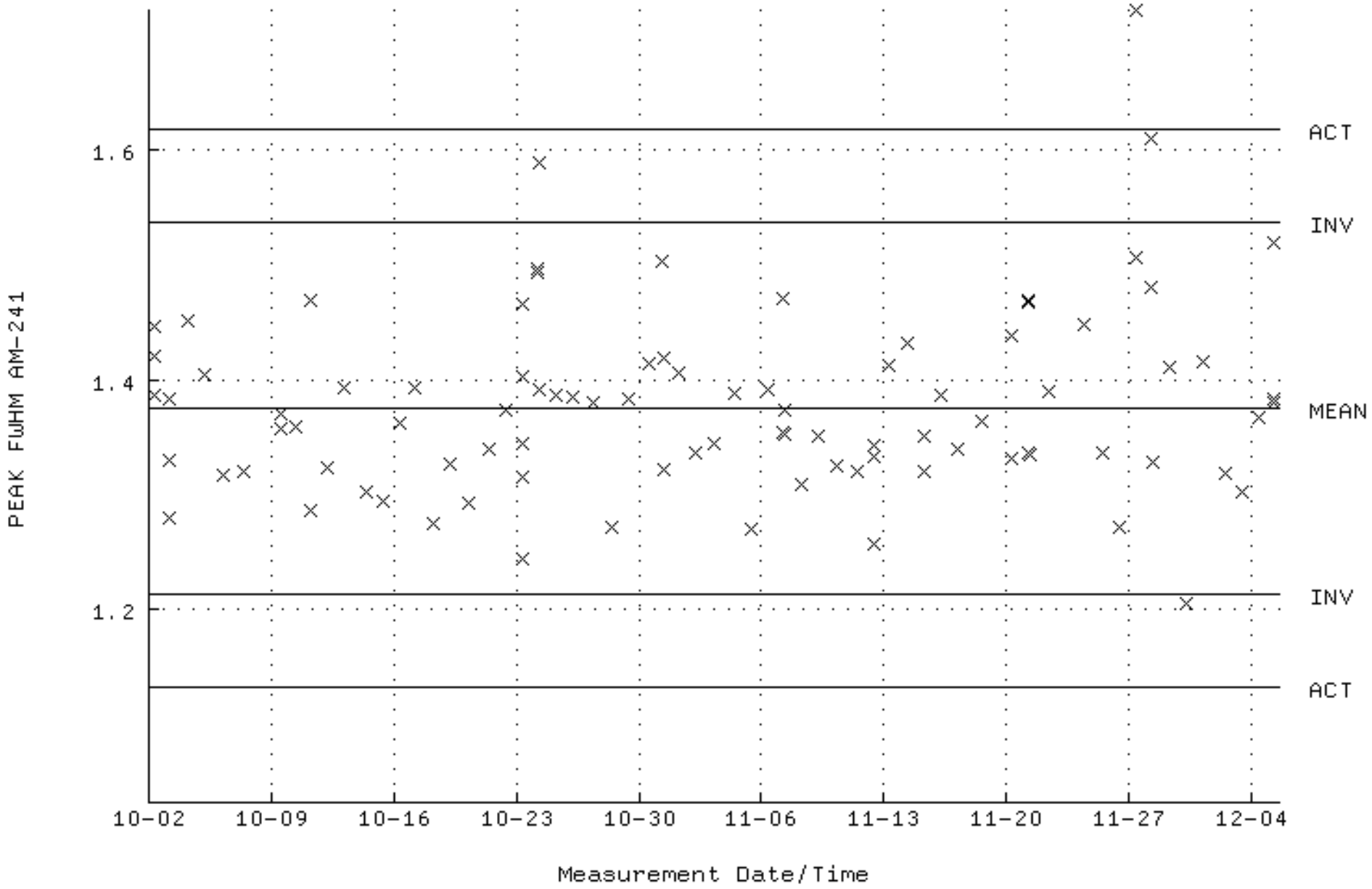
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM11.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 8-OCT-2023 09:36:48 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 1.54514 +- 1.902434E-02 (1.23 %)

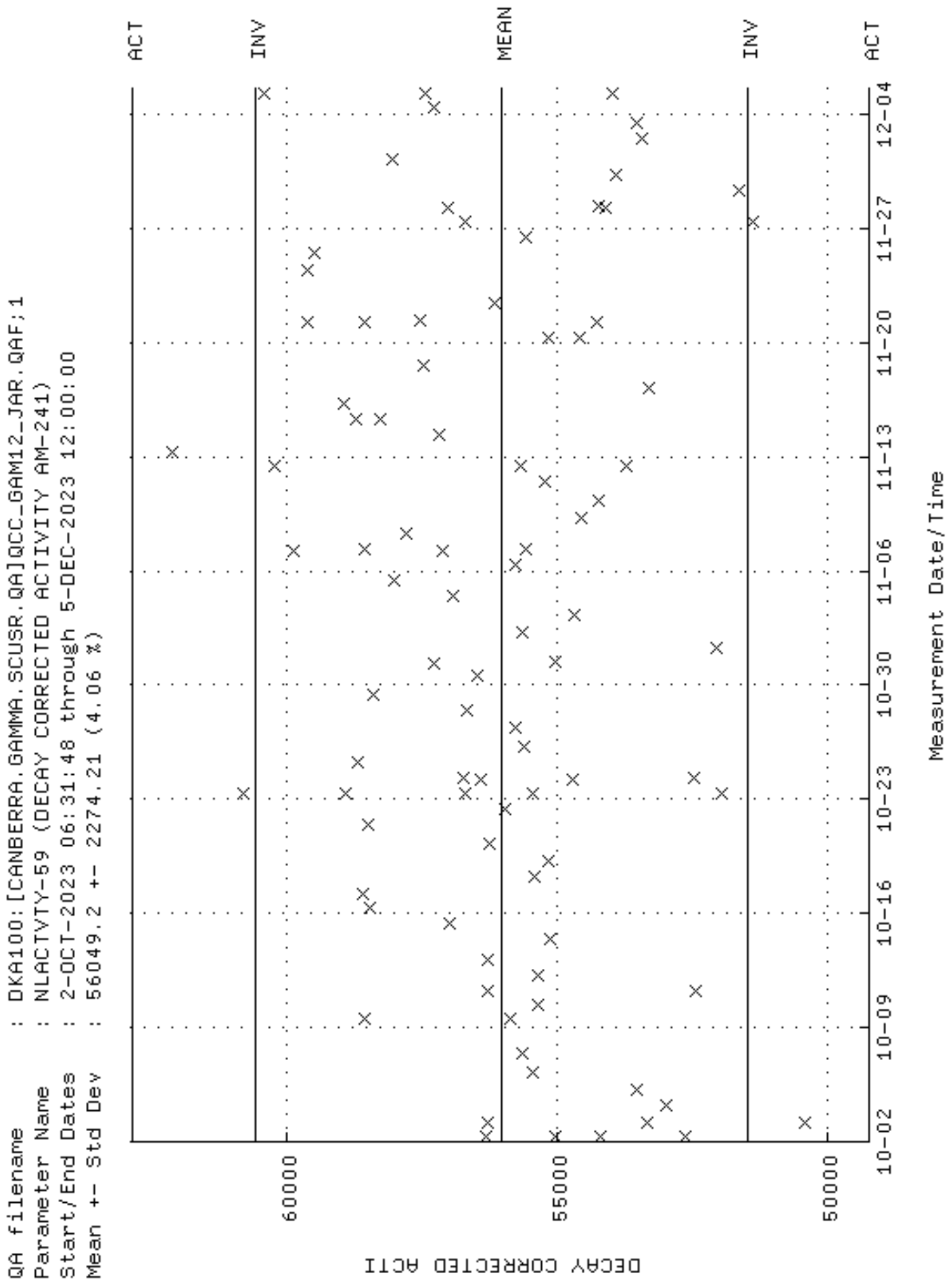


QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM12_JAR.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-OCT-2023 06:31:48 through 5-DEC-2023 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400

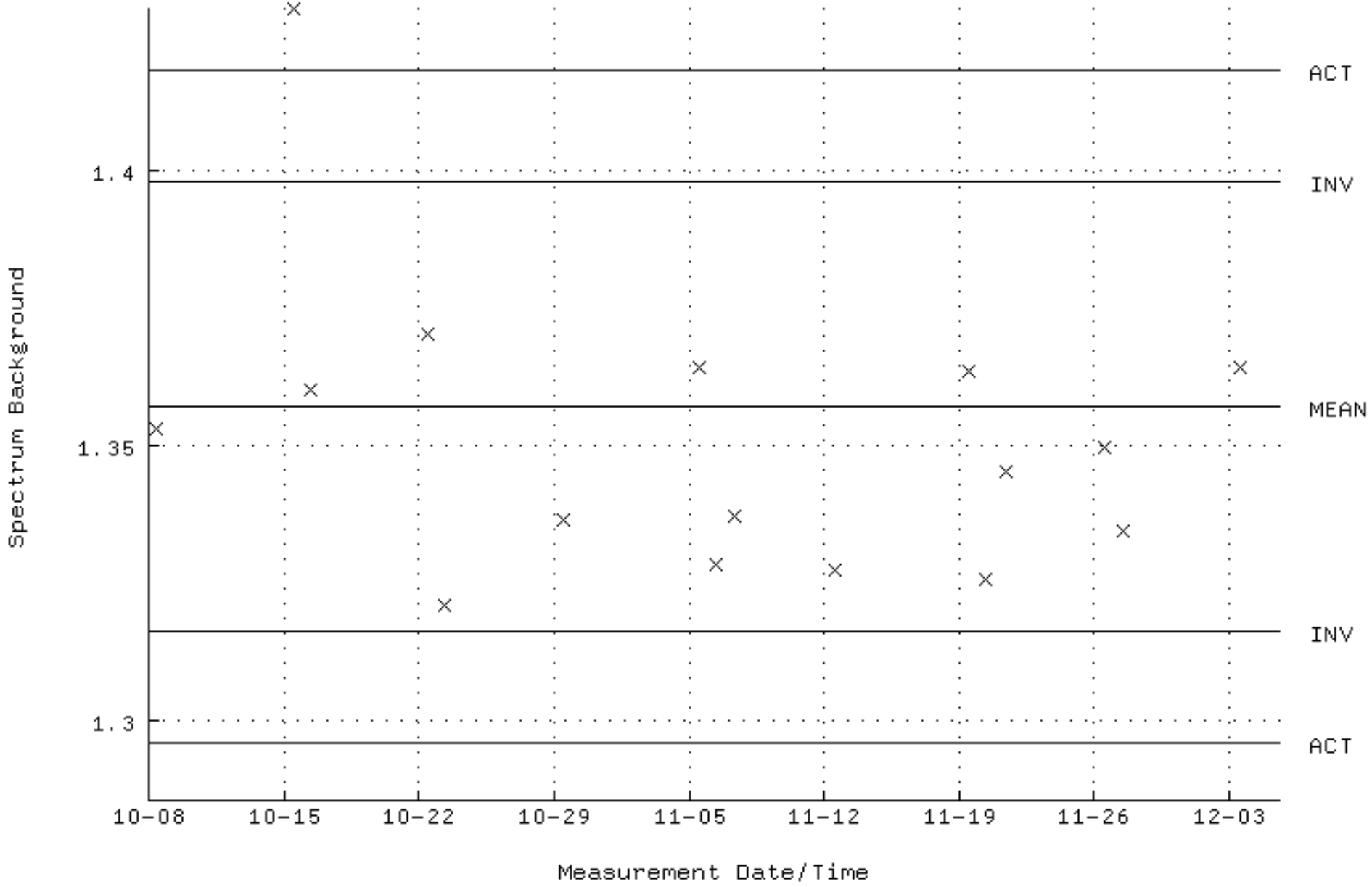


QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM12_JAR.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-OCT-2023 06:31:48 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 1.37576 +- 8.111428E-02 (5.90 %)

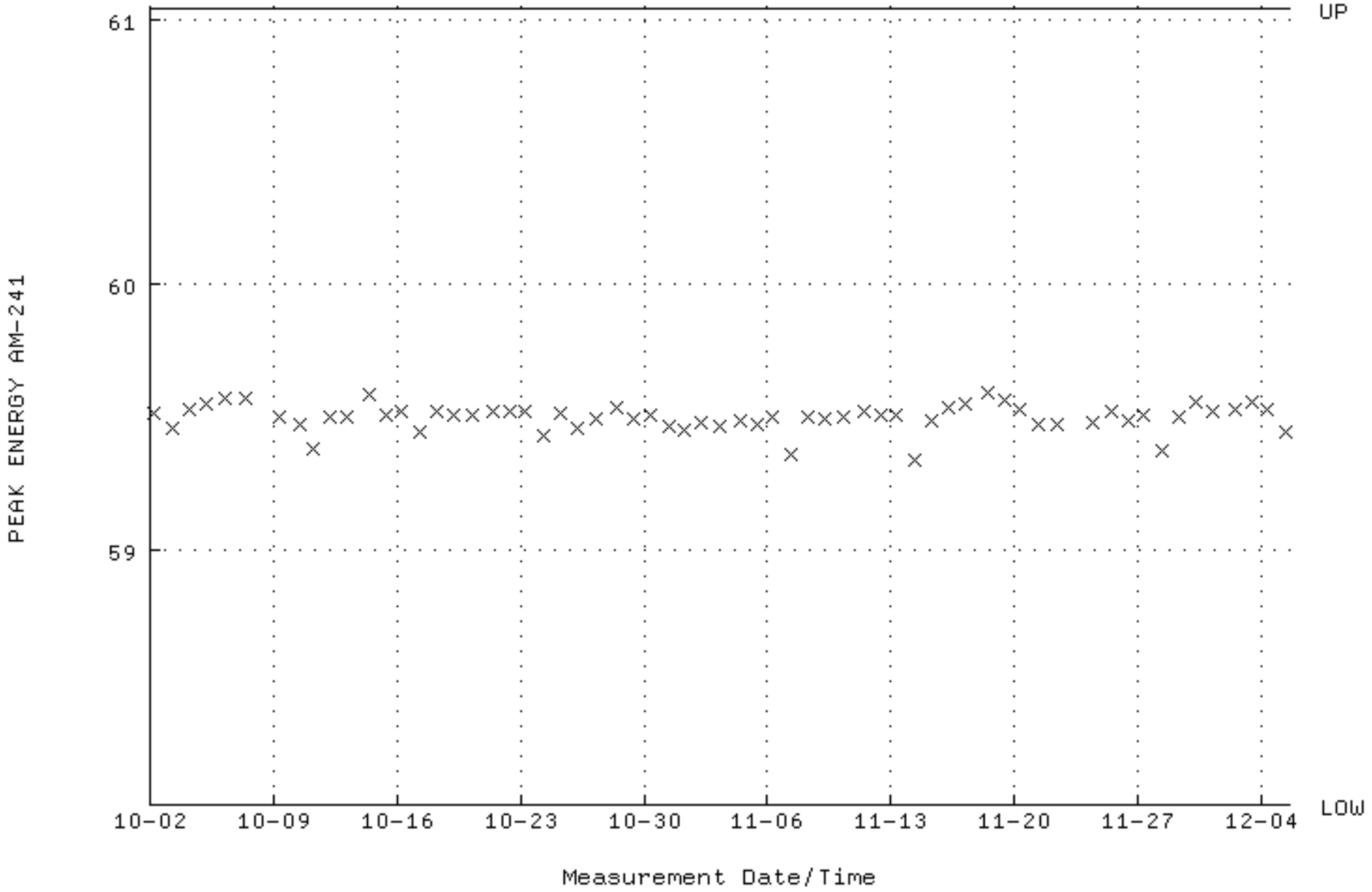



QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM12_JAR.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-OCT-2023 06:31:48 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 56049.2 +- 2274.21 (4.06 %)
ACT
INV
MEAN
INV
ACT
60000
55000
50000
DECAY CORRECTED ACTI
10-02
10-09
10-16
10-23
10-30
11-06
11-13
11-20
11-27
12-04
Measurement Date/Time

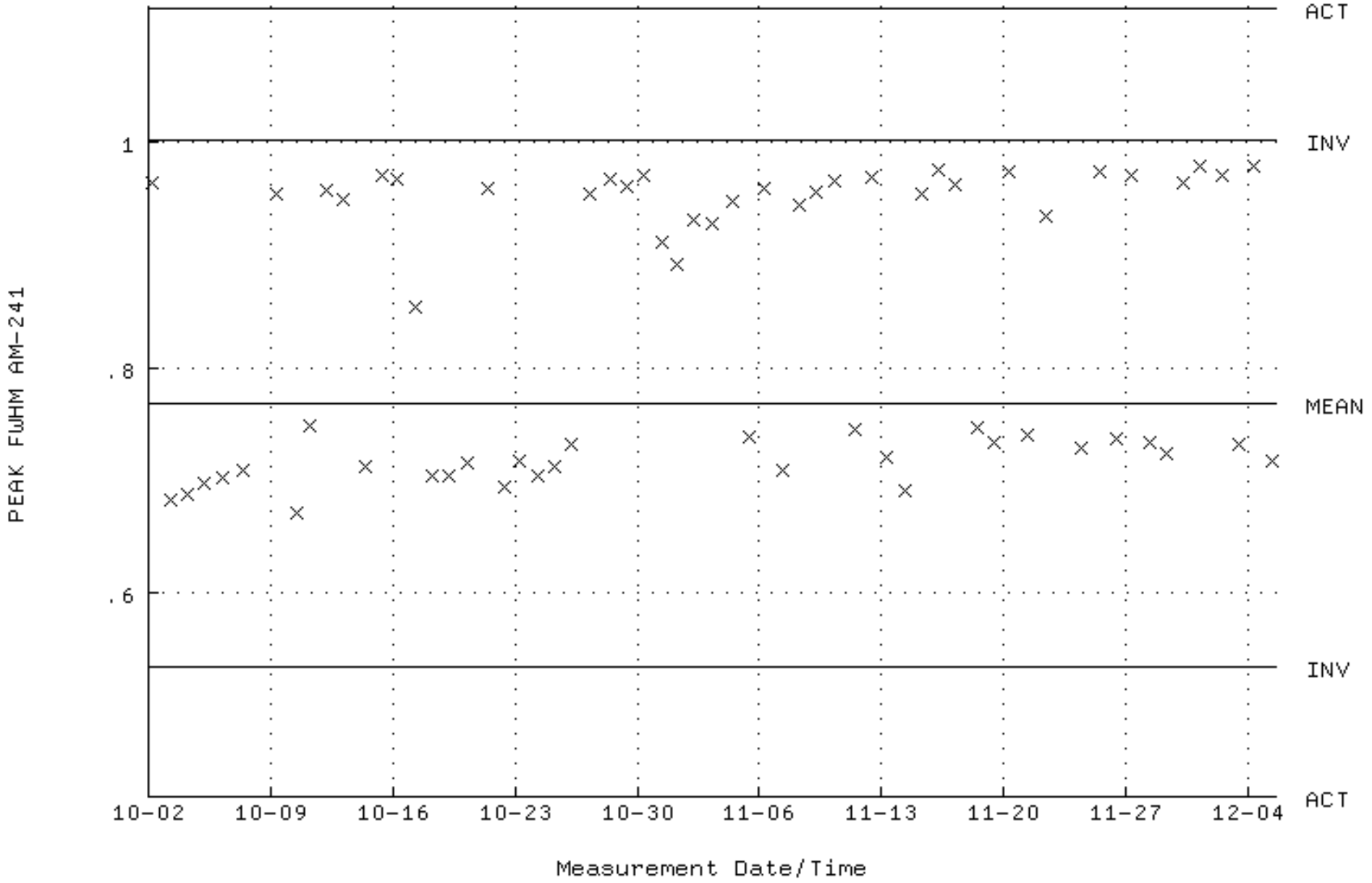
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM12.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 8-OCT-2023 09:36:53 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 1.35724 +- 2.036170E-02 (1.50 %)



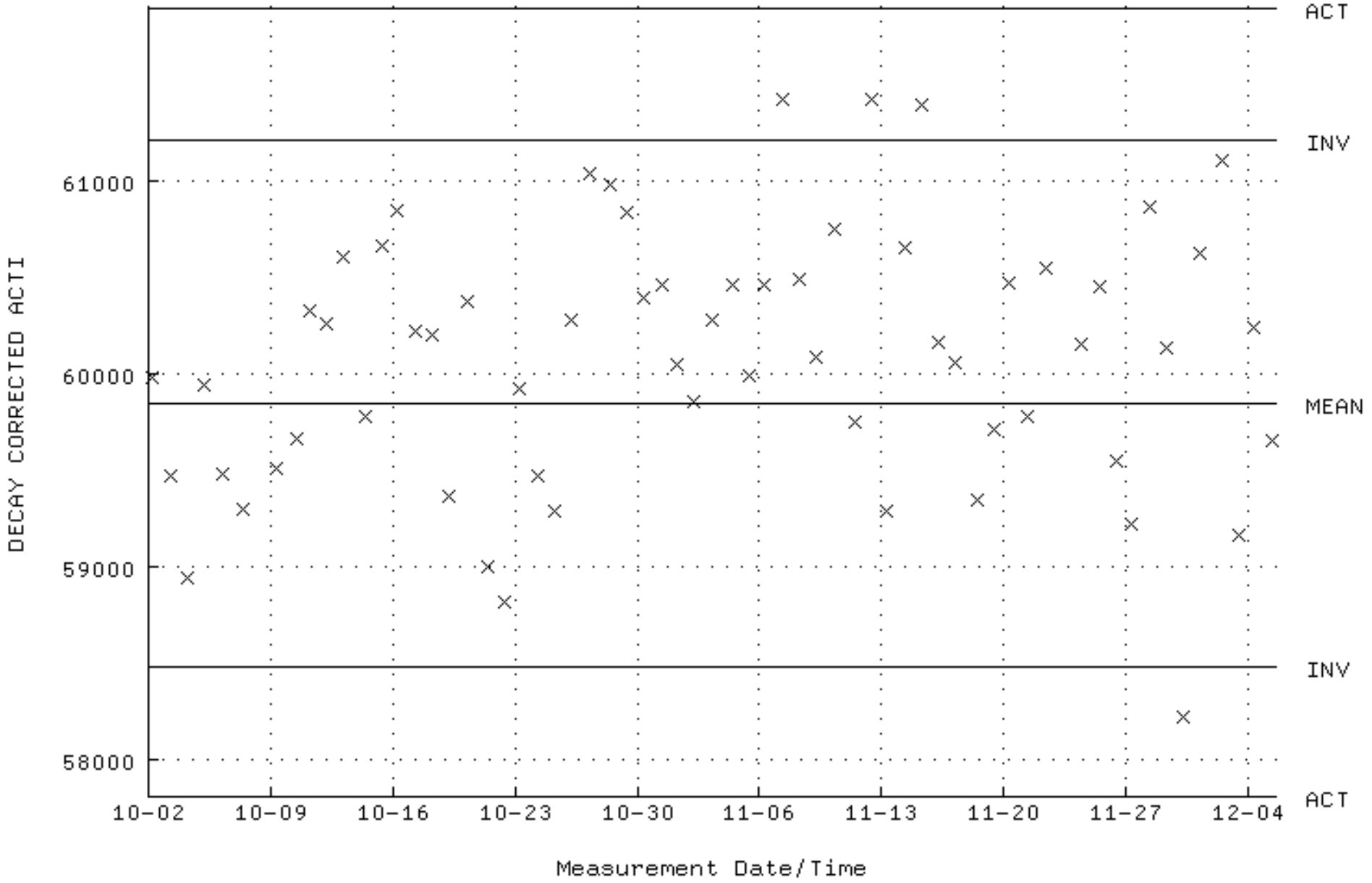
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM21_CAN.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-OCT-2023 04:55:14 through 5-DEC-2023 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400



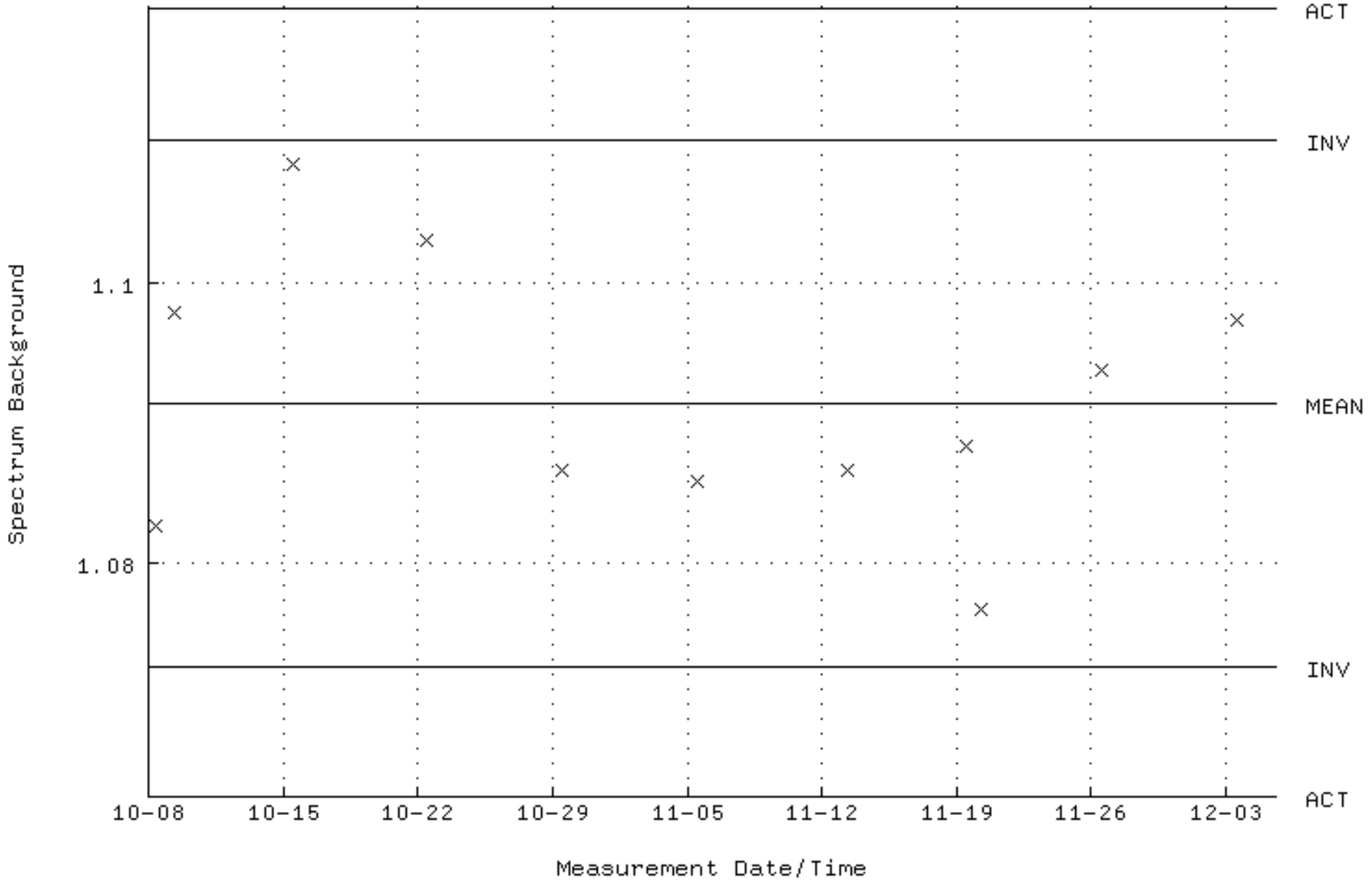
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM21_CAN.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-OCT-2023 04:55:14 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 0.769359 +- 0.116623 (15.16 %)



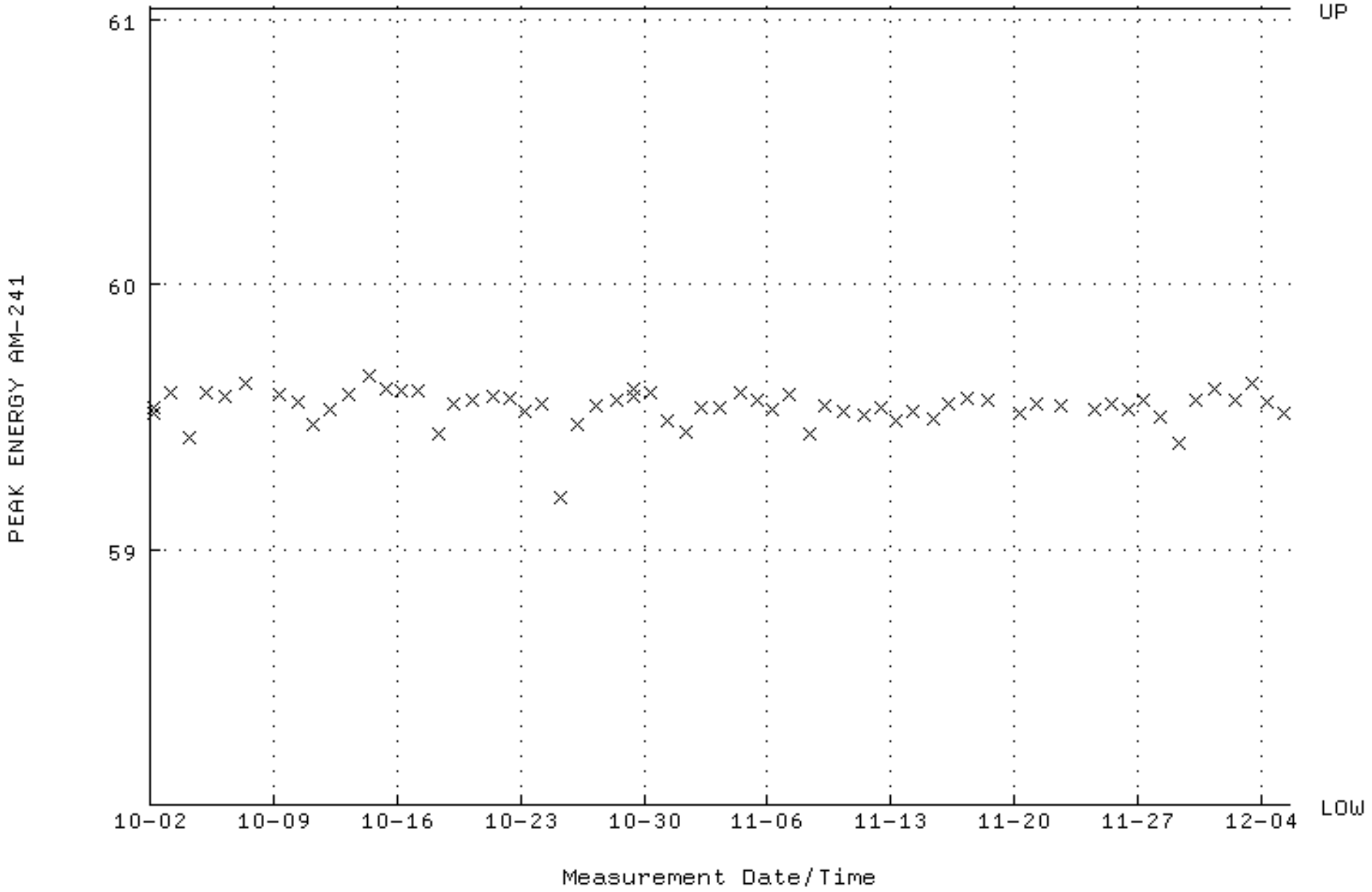
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM21_CAN.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-OCT-2023 04:55:14 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 59847.2 +- 681.106 (1.14 %)

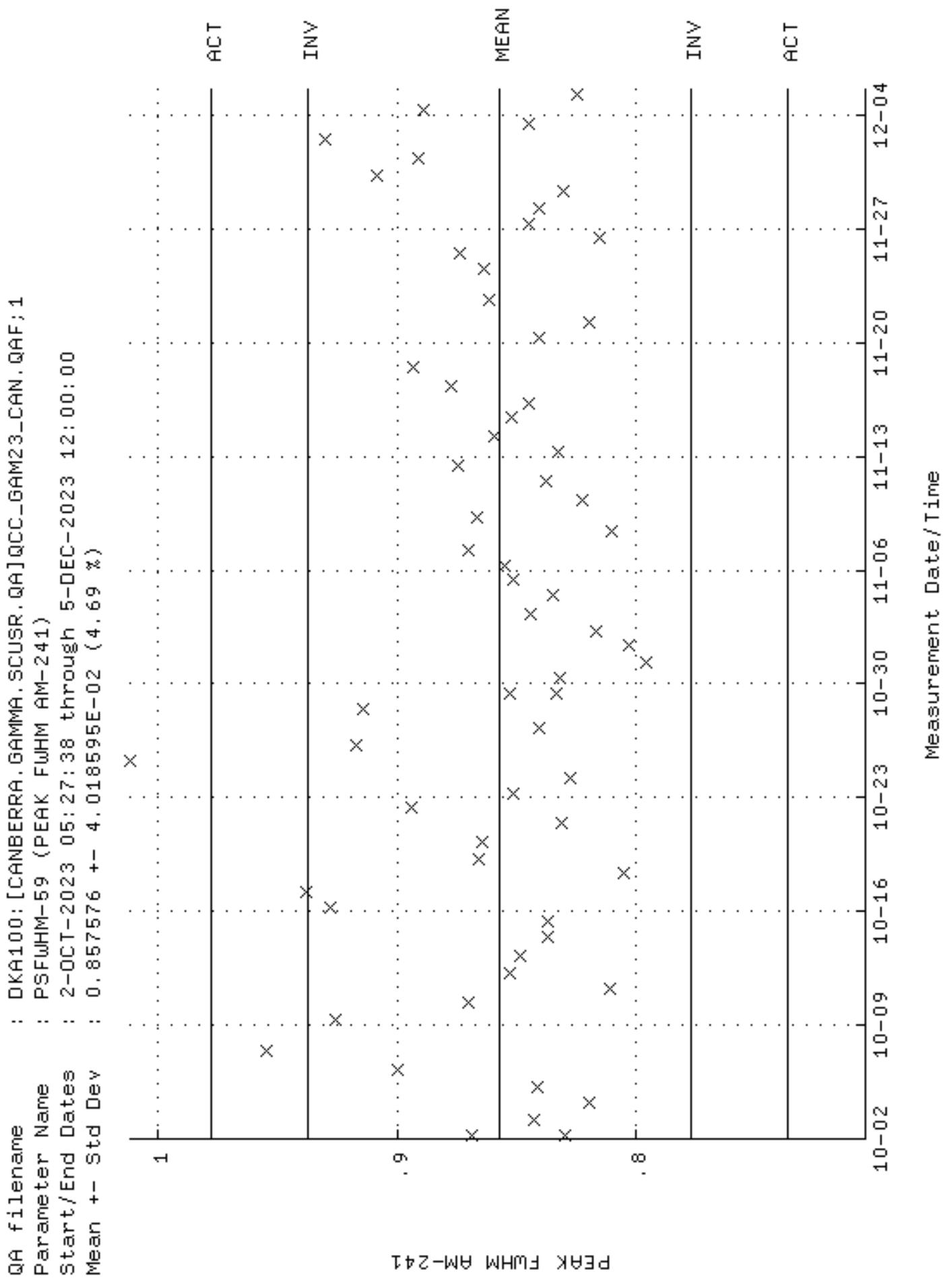


QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM21.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 8-OCT-2023 09:37:24 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 1.09141 +- 9.379522E-03 (0.86 %)

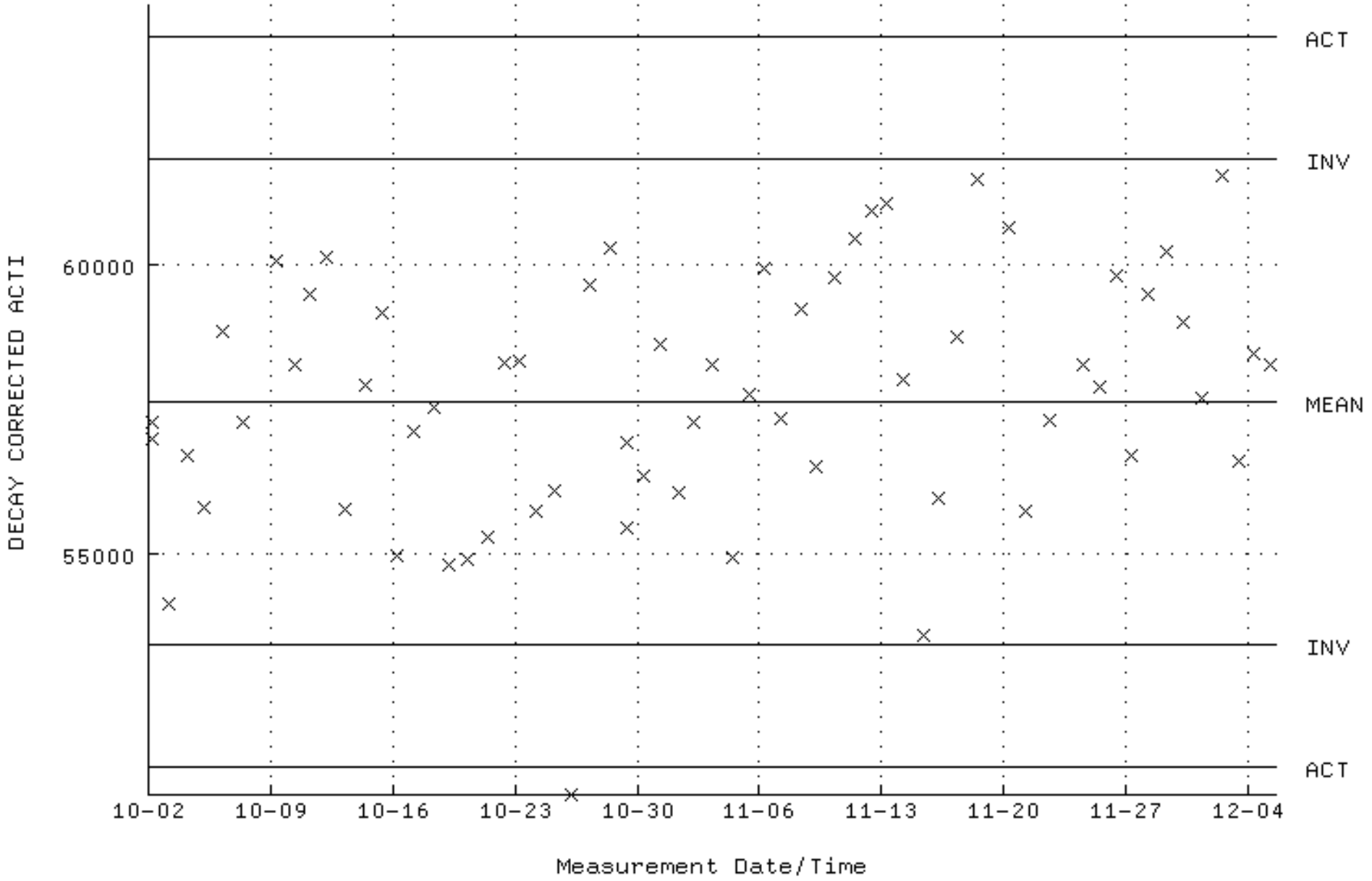


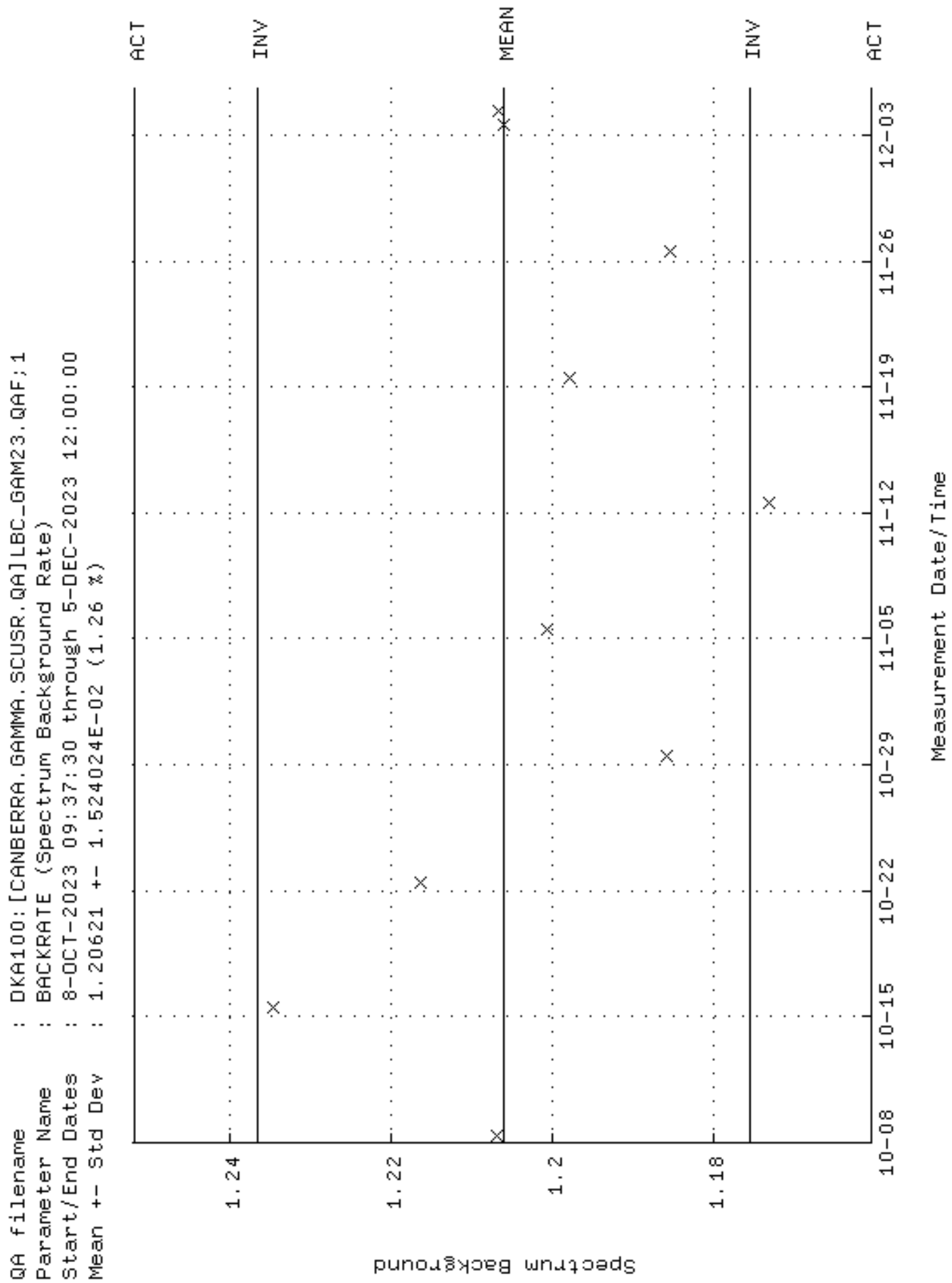
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM23_CAN.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-OCT-2023 05:27:38 through 5-DEC-2023 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400



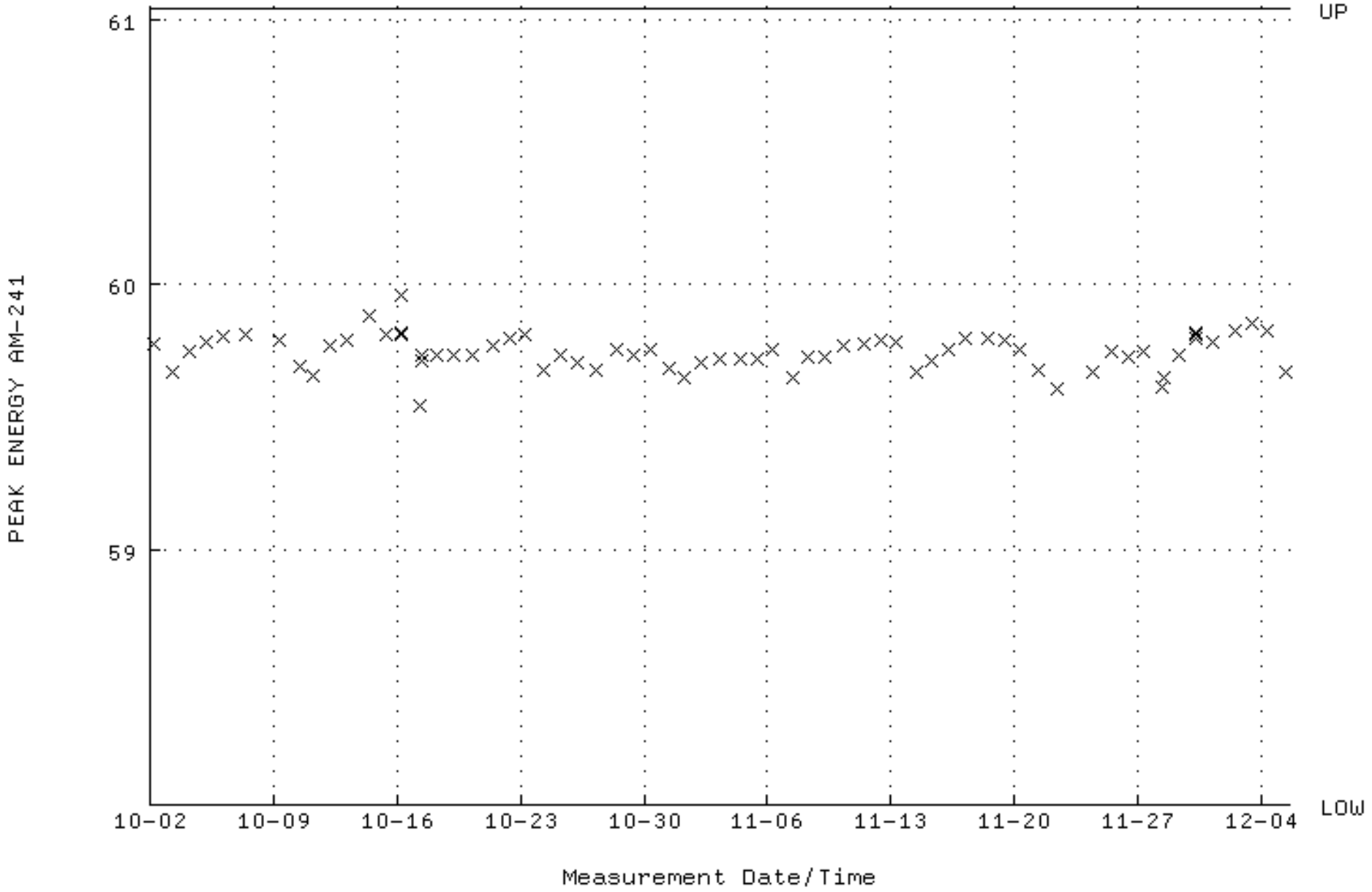

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM23_CAN.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-OCT-2023 05:27:38 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 0.857576 +- 4.018595E-02 (4.69 %)
ACT
INV
MEAN
INV
ACT
1
.9
.8
PEAK FWHM AM-241
10-02
10-09
10-16
10-23
10-30
11-06
11-13
11-20
11-27
12-04
Measurement Date/Time

QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM23_CAN.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-OCT-2023 05:27:38 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 57639.9 +- 2100.85 (3.64 %)

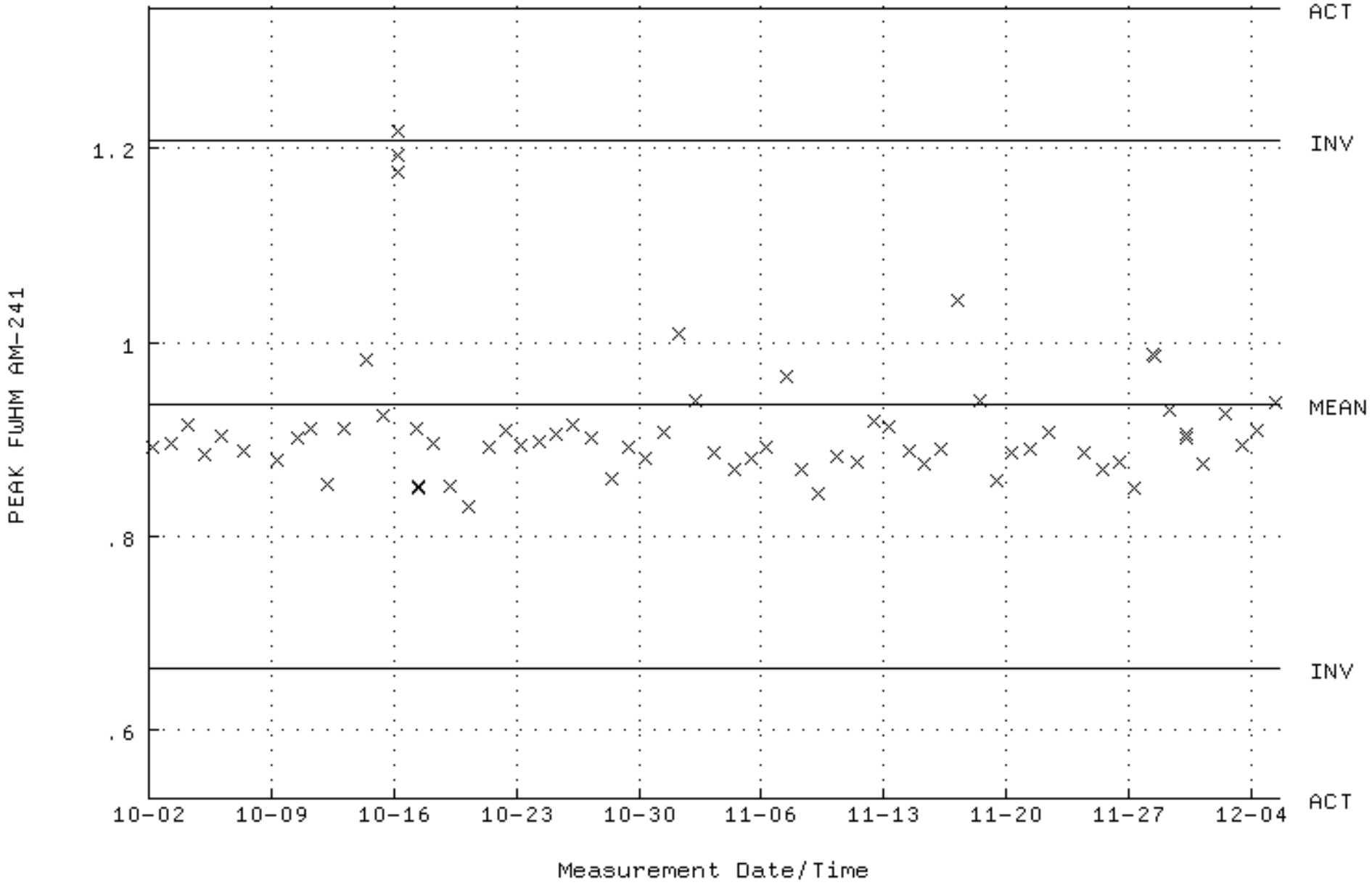



QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM23.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 8-OCT-2023 09:37:30 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 1.20621 +- 1.5240240E-02 (1.26 %)
ACT
INV
MEAN
INV
ACT
1.24
1.22
1.2
1.18
Spectrum Background
10-08
10-15
10-22
10-29
11-05
11-12
11-19
11-26
12-03
Measurement Date/Time

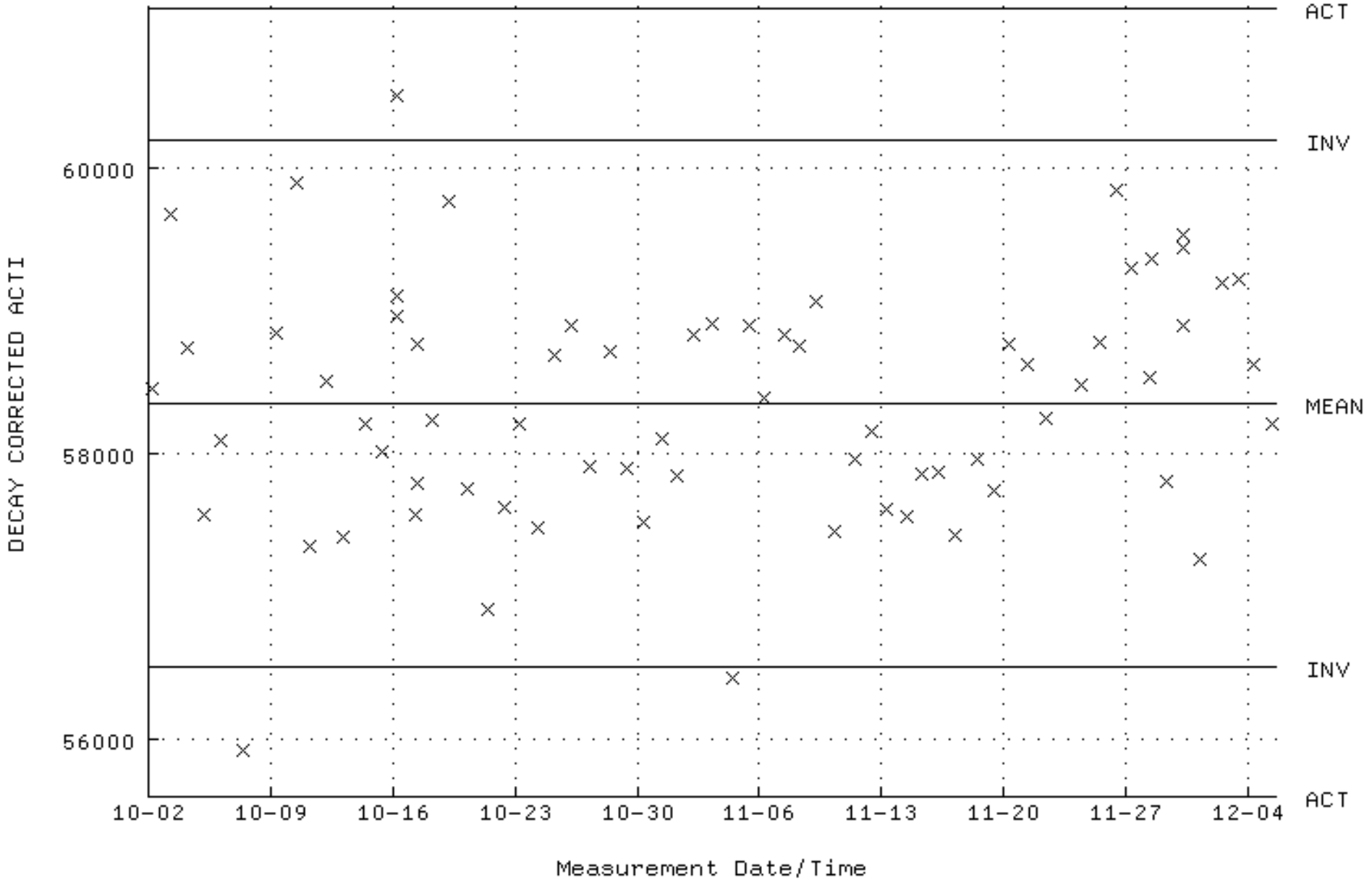
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM31_CAN.QAF;1
Parameter Name : PSENERGY-59 (PEAK ENERGY AM-241)
Start/End Dates : 2-OCT-2023 04:55:28 through 5-DEC-2023 12:00:00
Lower/Upper Lmts: 58.0400 through 61.0400



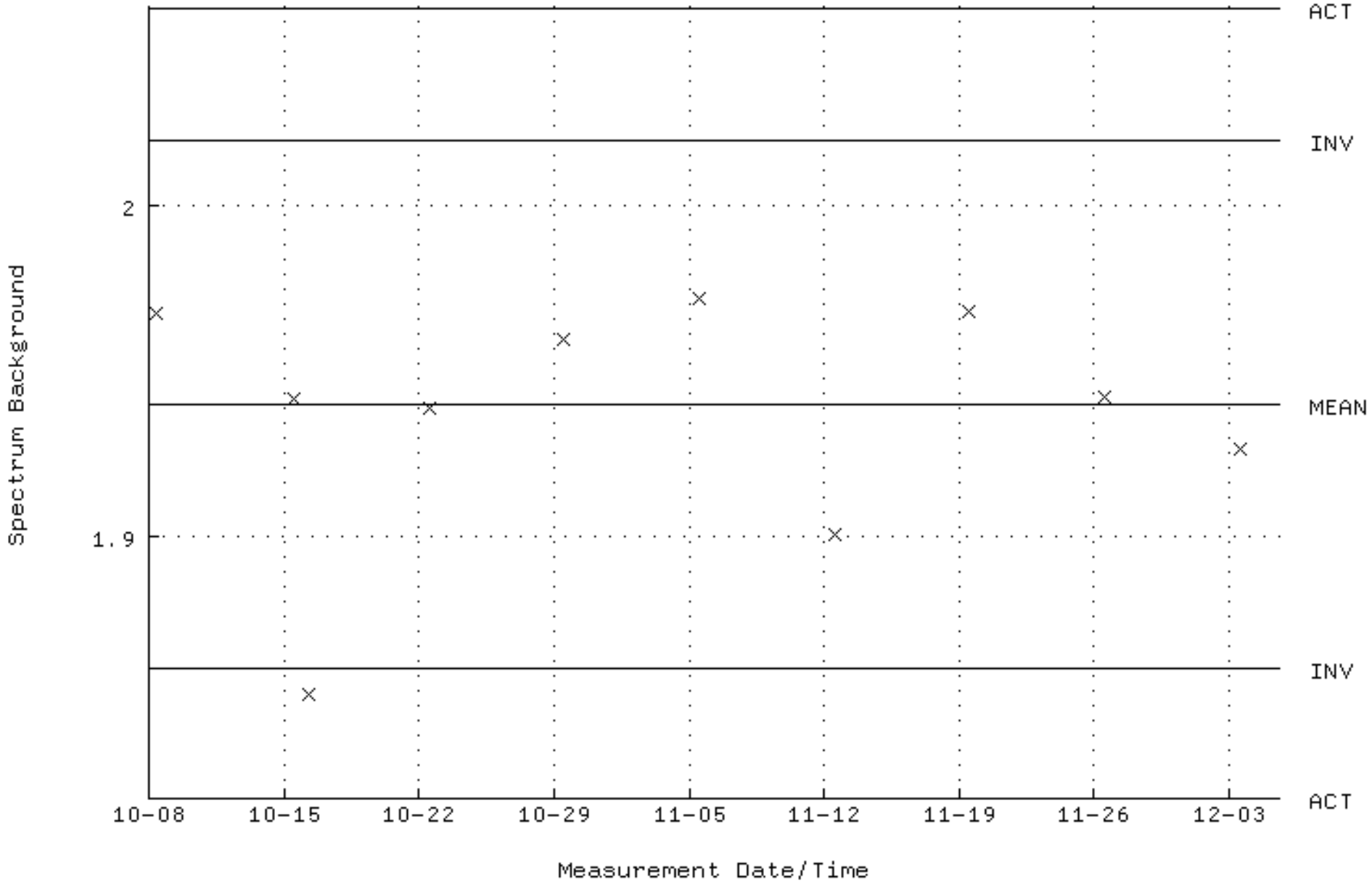
QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM31_CAN.QAF;1
Parameter Name : PSFWHM-59 (PEAK FWHM AM-241)
Start/End Dates : 2-OCT-2023 04:55:28 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 0.936858 +- 0.135831 (14.50 %)



QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]QCC_GAM31_CAN.QAF;1
Parameter Name : NLACTVTY-59 (DECAY CORRECTED ACTIVITY AM-241)
Start/End Dates : 2-OCT-2023 04:55:28 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 58358.7 +- 920.014 (1.58 %)



QA filename : DKA100:[CANBERRA.GAMMA.SCUSR.QA]LBC_GAM31.QAF;1
Parameter Name : BACKRATE (Spectrum Background Rate)
Start/End Dates : 8-OCT-2023 09:37:50 through 5-DEC-2023 12:00:00
Mean +- Std Dev : 1.93998 +- 3.976747E-02 (2.05 %)



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
23937 Avenue Stanford Valencia, California 91355

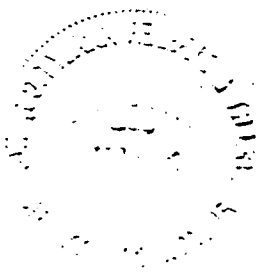
Laboratory
1380 Seaboard Industrial Blvd. Atlanta, Georgia, 30318

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	**Isotope**	**Result**			
7/14/2011	**Pb-210**	**pCi/L**			
	Mixed Gamma N1	722900		Isotopic Abundance:	0.0425
	Mixed Gamma N2	752300		Certificate Value (dps):	1129
	Mixed Gamma N3	692100			
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

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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
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**			

mgh 7/20/11

MStamps 7/20/11

Verification Rules

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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	**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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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	**Isotope**	**Result**			
7/14/2011	**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
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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
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

Heffampt 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	**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
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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
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

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**			
	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

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**				

mgh 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	**Isotope**	**Result**			
7/14/2011	**Y-88 (1836.1)**	**pCi/L**			
	Mixed Gamma N1	82870		Isotopic Abundance:	0.992
	Mixed Gamma N2	83080		Certificate Value (dps):	2989
	Mixed Gamma N3	84640			
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
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.

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: 2529194**

Sample ID	Sample Type	Analyst	Instrument	Run Date	Status	Geometry	Calibration Date
645981001	SAMPLE	RXF2	GAM21	DEC-12-23 19:28:47	DONE	CAN	03-JUL-23 00:00
645981002	SAMPLE	RXF2	GAM23	DEC-12-23 19:29:15	DONE	CAN	06-SEP-23 00:00
645981003	SAMPLE	RXF2	GAM31	DEC-12-23 19:30:01	DONE	CAN	05-JUN-23 00:00
645981004	SAMPLE	RXF2	GAM06	DEC-13-23 05:01:46	DONE	CAN	25-SEP-23 00:00
1205581249	MB	RXF2	GAM11	DEC-13-23 05:02:45	DONE	CAN	21-AUG-23 00:00
1205581250	DUP	RXF2	GAM12	DEC-13-23 05:03:21	DONE	CAN	11-OCT-23 00:00
1205581251	LCS	RXF2	GAM21	DEC-13-23 06:01:53	DONE	CAN	03-JUL-23 00:00

THE MJW COMPANIES

Radiological Consulting Professionals and Expert Technical Services

Addendum: MOD-PAC Aeriel Map of Facility and Locations

- MJW RSO Alexander Bartels gathered all background readings near the remediated sports fields on Monday, November 13, 2023.
- MJW Radiological Control Technicians will gather daily Background and QC readings at the same location when further investigations/digging is required.

Photo of TENORM after Segregation 2/8/23

*MJW added stations and rope barriers on 2/15/23 with TENORM posting

Single Channel Scaler Instrumentation Set-Up Sheet

Inst. Model/SN: Ludlum 2241-2/44-10
Detector Model/SN: 196664/PR413155
High Voltage:
Date/Time: 11/13/2023

Source Type: Th-232
Activity: Unknown
Source ID: MJW 6
Technician: A Bartels

Record 10, one-minute background counts:	
1	4990
2	5230
3	5100
4	5250
5	5080
6	5050
7	5130
8	4980
9	5200
10	5280

Record 10, one-minute gross source counts:	
1	80120
2	80230
3	79800
4	79950
5	80010
6	80190
7	79990
8	80080
9	80100
10	80020

Calculate the average background count:

Avg: 5129.0

Calculate the average background count:

Avg: 80049

Calculate the Background Range +/- 20%*

Low: 4103
High: 6155

Calculate the Source Count Range +/- 20%*

Low: 64039
High: 96058

* Instrument is analog. Ranges adjusted to nearest whole number detectable per instrument scale.

RSO or designee Review/Date: _____Alexander Bartels_____**11/25/23**_____

Single Channel Scaler Response Test Sheet

Inst. Model/SN: 2241-10/222619
Detector Model/SN: 44-10/PR413155
High Voltage:

Source Type: Th-232
Activity:
Source ID: MJW 6

Background Range +/- 20%*
Low: 4103
High: 6155

Source Count Range +/- 20%*
Low: 64039
High: 96058

* 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
11/13/23	1200	Y	5048	79855	S	01/05/24	S	AB
11/20/23	1200	Y	5011	80154	S	01/05/24	S	EO
11/21/23	1200	Y	5210	81255	S	01/05/24	S	EO

S = Satisfactory **U = Unsatisfactory** **N/A = Not applicable for this instrument**

RSO or designee Review/Date: Alexander Bartels **11/25/23**

Multiscale Set-Up and Response Test Sheet

Inst. Model/SN: Bicron / 19264
Detector Model/SN: N/A
High Voltage: Yes

Source Type: Th-232
Activity: Unknown
Source ID: MJW 6

Date/Time: 11/13/23 @ 1200
Technician: AB
Units: µrem/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		N/A		N/A		N/A		N/A	
Background Range +/- 20%	**Low**	**High**	**Low**	**High**	**Low**	**High**	**Low**	**High**	**Low**	**High**
	4	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Source Gross	N/A		N/A		250		N/A		N/A	
Source Range +/- 20%	**Low**	**High**	**Low**	**High**	**Low**	**High**	**Low**	**High**	**Low**	**High**
	N/A	N/A	N/A	N/A	200	300	N/A	N/A	N/A	N/A

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
11/13/23	1200	09/28/24	S	S	5	N/A	N/A	250	N/A	N/A	S	AB
11/20/23	0800	09/28/24	S	S	5	N/A	N/A	250	N/A	N/A	S	EO
11/21/23	0800	09/28/24	S	S	5	N/A	N/A	250	N/A	N/A	S	EO

S = Satisfactory **U = Unsatisfactory** **N/A = Not applicable for this instrument**

RSO or designee Review/Date: Alexander Bartels **11/25/23**

APPENDIX H

DATA USABILITY SUMMARY REPORTS

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

1801 Elmwood Ave.
SDG#L2410216
April 18, 2024
Sampling date: 2/25/2024

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Advantage, project located at 1801 Elmwood Ave., Alpha Analytical, SDG#L2410216 submitted to Vali-Data of WNY, LLC on March 11, 2024. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines (SOP NO. HW-31, revision 6). The laboratory performed the analysis using Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

ID	Sample ID	Laboratory ID
1	OA-1	L2410216-01
2	IA-4	L2410216-02
3	IA-4 DUPLICATE	L2410216-03

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD/Duplicate
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check
-Canister Certification Blanks

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Holding Times and Initial Calibration.

All results were recorded to the reporting limits.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except there was no vacuum in DUSR ID#1 upon receipt by the laboratory. All target analytes in this sample should be qualified as estimated.

INTERNAL STANDARD (IS)
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except Tetrahydrofuran and Carbon tetrachloride were detected in DUSR ID#3 but were not detected in #2.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD/DUPLICATE
No MS/MSD/Duplicate was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the Initial Calibration Verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV Instrument	Target Analyte	%RSD/%D	Qualifier	Associated Sample
ICV Airlab15	Bromoform	-34.9	UJ/J	WG1893026, 1-3

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

CANISTER CERTIFICATION BLANKS

All criteria were met.

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.

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on February 16, 2024. The canister certification data is provided as an addendum.

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: Report Date: 03/08/24

Title: Technical Director/Representative

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2410216-01	OA-1	01628	Flow 5	02/16/24	455253		-	-	-	Pass	4.5	5.3	16
L2410216-01	OA-1	3748	2.7L Can	02/16/24	455253	L2408153-01	Pass	-29.6	1.2	-	-	-	-
L2410216-02	IA-4	02243	Flow 5	02/16/24	455253		-	-	-	Pass	4.5	4.7	4
L2410216-02	IA-4	2996	2.7L Can	02/16/24	455253	L2408153-01	Pass	-29.8	-1.7	-	-	-	-
L2410216-03	IA-4 DUPLICATE	0079	Flow 5	02/16/24	455253		-	-	-	Pass	4.5	4.4	2
L2410216-03	IA-4 DUPLICATE	3227	2.7L Can	02/16/24	455253	L2408153-01	Pass	-29.7	-3.8	-	-	-	-

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2410216
Project Name	: MPC AREA C AIR RESAMPLE	**Project Number**	: 01304
Lab ID	: L2410216-01	**Date Collected**	: 02/25/24 10:10
Client ID	: OA-1	**Date Received**	: 02/26/24
Sample Location	: 1801 ELMWOOD AVE.	**Date Analyzed**	: 03/06/24 17:52
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1543272	**Instrument ID**	: AIRLAB15
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-71-8	Dichlorodifluoromethane	0.520	0.200	--	2.57	0.989	--	
74-87-3	Chloromethane	0.562	0.200	--	1.16	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	5.00	5.00	--	9.42	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	4.65	1.00	--	11.0	2.38	--	
75-69-4	Trichlorofluoromethane	0.265	0.200	--	1.49	1.12	--	
67-63-0	Isopropanol	0.886	0.500	--	2.18	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2410216
Project Name	: MPC AREA C AIR RESAMPLE	**Project Number**	: 01304
Lab ID	: L2410216-01	**Date Collected**	: 02/25/24 10:10
Client ID	: OA-1	**Date Received**	: 02/26/24
Sample Location	: 1801 ELMWOOD AVE.	**Date Analyzed**	: 03/06/24 17:52
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1543272	**Instrument ID**	: AIRLAB15
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2410216
Project Name	: MPC AREA C AIR RESAMPLE	**Project Number**	: 01304
Lab ID	: L2410216-01	**Date Collected**	: 02/25/24 10:10
Client ID	: OA-1	**Date Received**	: 02/26/24
Sample Location	: 1801 ELMWOOD AVE.	**Date Analyzed**	: 03/06/24 17:52
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1543272	**Instrument ID**	: AIRLAB15
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	0.208	0.200	--	1.09	1.05	--	
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2410216
Project Name	: MPC AREA C AIR RESAMPLE	**Project Number**	: 01304
Lab ID	: L2410216-02	**Date Collected**	: 02/25/24 10:07
Client ID	: IA-4	**Date Received**	: 02/26/24
Sample Location	: 1801 ELMWOOD AVE.	**Date Analyzed**	: 03/06/24 23:26
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1543280	**Instrument ID**	: AIRLAB15
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-71-8	Dichlorodifluoromethane	0.501	0.200	--	2.48	0.989	--	
74-87-3	Chloromethane	0.600	0.200	--	1.24	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	17.0	5.00	--	32.0	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	424	1.00	--	1010	2.38	--	
75-69-4	Trichlorofluoromethane	0.345	0.200	--	1.94	1.12	--	
67-63-0	Isopropanol	79.5	0.500	--	195	1.23	--	
75-65-0	Tertiary butyl Alcohol	0.951	0.500	--	2.88	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.721	0.200	--	2.25	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.70	0.500	--	5.01	1.47	--	
141-78-6	Ethyl Acetate	1.69	0.500	--	6.09	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	2.38	0.200	--	8.39	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2410216
Project Name	: MPC AREA C AIR RESAMPLE	**Project Number**	: 01304
Lab ID	: L2410216-02	**Date Collected**	: 02/25/24 10:07
Client ID	: IA-4	**Date Received**	: 02/26/24
Sample Location	: 1801 ELMWOOD AVE.	**Date Analyzed**	: 03/06/24 23:26
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1543280	**Instrument ID**	: AIRLAB15
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	2.49	0.200	--	10.2	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	0.863	0.500	--	3.54	2.05	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	6.20	0.200	--	23.4	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	1.00	0.200	--	4.34	0.869	--	
179601-23-1	p/m-Xylene	4.49	0.400	--	19.5	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.45	0.200	--	6.30	0.869	--	
622-96-8	4-Ethyltoluene	2.90	0.200	--	14.3	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	3.48	0.200	--	17.1	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	11.2	0.200	--	55.1	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2410216
Project Name	: MPC AREA C AIR RESAMPLE	**Project Number**	: 01304
Lab ID	: L2410216-02	**Date Collected**	: 02/25/24 10:07
Client ID	: IA-4	**Date Received**	: 02/26/24
Sample Location	: 1801 ELMWOOD AVE.	**Date Analyzed**	: 03/06/24 23:26
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1543280	**Instrument ID**	: AIRLAB15
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2410216
Project Name	: MPC AREA C AIR RESAMPLE	**Project Number**	: 01304
Lab ID	: L2410216-03	**Date Collected**	: 02/25/24 10:09
Client ID	: IA-4 DUPLICATE	**Date Received**	: 02/26/24
Sample Location	: 1801 ELMWOOD AVE.	**Date Analyzed**	: 03/07/24 00:08
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1543281	**Instrument ID**	: AIRLAB15
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-71-8	Dichlorodifluoromethane	0.480	0.200	--	2.37	0.989	--	
74-87-3	Chloromethane	0.592	0.200	--	1.22	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	16.3	5.00	--	30.7	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	406	1.00	--	964	2.38	--	
75-69-4	Trichlorofluoromethane	0.326	0.200	--	1.83	1.12	--	
67-63-0	Isopropanol	77.1	0.500	--	190	1.23	--	
75-65-0	Tertiary butyl Alcohol	0.911	0.500	--	2.76	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.760	0.200	--	2.37	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.66	0.500	--	4.90	1.47	--	
141-78-6	Ethyl Acetate	1.77	0.500	--	6.38	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	0.818	0.500	--	2.41	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	2.42	0.200	--	8.53	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2410216
Project Name	: MPC AREA C AIR RESAMPLE	**Project Number**	: 01304
Lab ID	: L2410216-03	**Date Collected**	: 02/25/24 10:09
Client ID	: IA-4 DUPLICATE	**Date Received**	: 02/26/24
Sample Location	: 1801 ELMWOOD AVE.	**Date Analyzed**	: 03/07/24 00:08
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1543281	**Instrument ID**	: AIRLAB15
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	2.44	0.200	--	10.0	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	0.816	0.500	--	3.34	2.05	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	6.40	0.200	--	24.1	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.959	0.200	--	4.17	0.869	--	
179601-23-1	p/m-Xylene	4.11	0.400	--	17.9	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.33	0.200	--	5.78	0.869	--	
622-96-8	4-Ethyltoluene	3.15	0.200	--	15.5	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	3.57	0.200	--	17.6	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	11.2	0.200	--	55.1	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2410216
Project Name	: MPC AREA C AIR RESAMPLE	**Project Number**	: 01304
Lab ID	: L2410216-03	**Date Collected**	: 02/25/24 10:09
Client ID	: IA-4 DUPLICATE	**Date Received**	: 02/26/24
Sample Location	: 1801 ELMWOOD AVE.	**Date Analyzed**	: 03/07/24 00:08
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1543281	**Instrument ID**	: AIRLAB15
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	Lab Number	: L2410216
Project Name	: MPC AREA C AIR RESAMPLE	Project Number	: 01304
Lab ID	: WG1893026-4	Date Collected	: NA
Client ID	: WG1893026-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/06/24 16:26
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1543270	Instrument ID	: AIRLAB15
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--	U
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	ND	1.00	--	ND	2.38	--	U
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	ND	0.500	--	ND	1.23	--	U
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2410216
Project Name	: MPC AREA C AIR RESAMPLE	**Project Number**	: 01304
Lab ID	: WG1893026-4	**Date Collected**	: NA
Client ID	: WG1893026-4BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/06/24 16:26
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1543270	**Instrument ID**	: AIRLAB15
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2410216
Project Name	: MPC AREA C AIR RESAMPLE	**Project Number**	: 01304
Lab ID	: WG1893026-4	**Date Collected**	: NA
Client ID	: WG1893026-4BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/06/24 16:26
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1543270	**Instrument ID**	: AIRLAB15
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airlab15\2023\11\1120T_I\
Data File : r1540792.D
Acq On : 21 Nov 2023 1:25 PM
Operator : AIRLAB15:RAY
Sample : CTO15-LLSTD10
Misc : WG1855304
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 21 15:45:10 2023
Quant Method : O:\Forensics\Data\Airlab15\2023\11\1120T_I\TFS15_231120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Nov 21 15:43:21 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	C	ethylbenzene	7.343	8.767	-19.4	94	0.00
83	C	m+p-xylene	5.792	6.986	-20.6	94	0.00
84	C	bromoform	1.938	2.615	-34.9#	104	0.00
85	C	styrene	4.694	5.655	-20.5	96	0.00
86	C	1,1,2,2-tetrachloroethane	4.357	5.023	-15.3	86	0.00
87	C	o-xylene	5.778	7.090	-22.7	93	0.00
88		1,2,3-trichloropropane	3.231	3.355	-3.8	84	0.00
89		nonane	4.585	4.888	-6.6	86	0.00
90	s	bromofluorobenzene	4.973	5.929	-19.2	102	0.00
91	C	isopropylbenzene	7.342	8.667	-18.0	96	0.00
92		bromobenzene	4.272	4.517	-5.7	85	0.00
93		2-chlorotoluene	2.221	2.602	-17.2	94	0.00
94		n-propylbenzene	2.613	2.970	-13.7	90	0.00
95		4-chlorotoluene	2.232	2.506	-12.3	90	0.00
96		4-ethyl toluene	7.753	9.337	-20.4	97	0.00
97		1,3,5-trimethylbenzene	7.201	8.906	-23.7	91	0.00
98		tert-butylbenzene	7.043	8.094	-14.9	88	0.00
99		1,2,4-trimethylbenzene	6.485	7.908	-21.9	89	0.00
100		decane	6.136	7.004	-14.1	87	0.00
101	C	Benzyl Chloride	3.901	4.853	-24.4	90	0.00
102		1,3-dichlorobenzene	4.602	5.530	-20.2	92	0.00
103	C	1,4-dichlorobenzene	4.546	5.411	-19.0	91	0.00
104		sec-butylbenzene	9.447	10.858	-14.9	90	0.00
106		p-isopropyltoluene	7.897	9.002	-14.0	95	0.00
107		1,2-dichlorobenzene	4.329	5.262	-21.6	91	0.00
108		n-butylbenzene	7.571	9.281	-22.6	92	0.00
111	C	1,2-dibromo-3-chloropropane	1.540	1.668	-8.3	81	0.00
112		undecane	6.581	7.659	-16.4	82	0.00
114		dodecane	6.085	7.445	-22.4	76	0.00
115	C	1,2,4-trichlorobenzene	3.363	4.068	-21.0	80	0.00
116		naphthalene	8.774	10.532	-20.0	84	0.00
117		1,2,3-trichlorobenzene	2.982	3.643	-22.2	85	0.00
119	C	hexachlorobutadiene	2.852	3.242	-13.7	77	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 2

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

MOD-PAC Corp, Buffalo, NY
Alpha Analytical SDG#L2419960
June 5, 2024
Sampling date: 4/9/2024

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Advantage, project located at MOD-PAC Corp, Buffalo, NY, Alpha Analytical SDG#L2419960 submitted to Vali-Data of WNY, LLC on April 18, 2024. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using the USEPA method Volatile Organics (8260D).

ID	Sample ID	Laboratory ID
1	MW-3 (040924)	L2419960-01
2	MW-11 (040924)	L2419960-02
3	MW-11 (040924) DUPLICATE	L2419960-03
4	MW-12 (040924)	L2419960-04
5	MW-13 (040924)	L2419960-05
6	TRIP BLANK (040924)	L2419960-06
7	RINSATE BLANK (040924)	L2419960-07

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in MS/MSD, Initial Calibration and Continuing Calibration.

Sample: DUSR ID#1 was diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except Benzene was detected in DUSR ID#2 but was not detected in #3.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met a target analyte was outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec #4MS	%Rec #4MSD	RPD	Qualifier	Associated Sample
Bromomethane	-	140	24	UJ	4

COMPOUND QUANTITATION
All the criteria were met.

INITIAL CALIBRATION
All criteria were met except several target analytes were outside QC limits in the initial calibration and/or initial calibration verification and should be qualified as estimated in the associated samples, spikes and blanks.

ICal/ICV instrument	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICal/ICV VOA105	1,4-Dioxane	RRF	UJ/J	WG1909186, 1-7, 4MS/MSD
ICal/ICV VOA105	1,1,2-Trichloroethane	RRF	UJ/J	WG1909186, 1-7, 4MS/MSD
ICV VOA105	Carbon disulfide	29.8	UJ/J	WG1909186, 1-7, 4MS/MSD

Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

CONTINUING CALIBRATION

All criteria were met except a couple of target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
WG1909186-2	1,4-Dioxane	RRF/22.2	UJ/J	WG1909186, 1-7, 4MS/MSD
WG1909186-2	1,1,2-Trichloroethane	RRF	UJ/J	WG1909186, 1-7, 4MS/MSD

Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

GC/MS PERFORMANCE CHECK

All criteria were met.

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.

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.

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: Caitlin Walukevich Report Date: 04/18/24

Title: Technical Director/Representative

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Client Sample ID	: MW-12 (040924)	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2419960-04	**Analysis Date**	: 04/15/24 13:26
Matrix Spike	: WG1909186-6	**MS Analysis Date**	: 04/15/24 17:14
Matrix Spike Dup	: WG1909186-7	**MSD Analysis Date**	: 04/15/24 17:39

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	9.6	96	10	9.9	99	3	70-130	20
1,1-Dichloroethane	ND	10	10	100	10	11	110	10	70-130	20
Chloroform	ND	10	10	100	10	11	110	10	70-130	20
Carbon tetrachloride	ND	10	10	100	10	11	110	10	63-132	20
1,2-Dichloropropane	ND	10	9.9	99	10	10	100	1	70-130	20
Dibromochloromethane	ND	10	9.2	92	10	9.5	95	3	63-130	20
1,1,2-Trichloroethane	ND	10	9.9	99	10	9.8	98	1	70-130	20
Tetrachloroethene	ND	10	10	100	10	10	100	0	70-130	20
Chlorobenzene	ND	10	9.7	97	10	10	100	3	75-130	20
Trichlorofluoromethane	ND	10	10	100	10	10	100	0	62-150	20
1,2-Dichloroethane	ND	10	9.7	97	10	10	100	3	70-130	20
1,1,1-Trichloroethane	ND	10	11	110	10	11	110	0	67-130	20
Bromodichloromethane	ND	10	9.8	98	10	10	100	2	67-130	20
trans-1,3-Dichloropropene	ND	10	9.0	90	10	9.3	93	3	70-130	20
cis-1,3-Dichloropropene	ND	10	8.6	86	10	9.0	90	5	70-130	20
Bromoform	ND	10	8.0	80	10	8.4	84	5	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	9.4	94	10	9.3	93	1	67-130	20
Benzene	ND	10	10	100	10	11	110	10	70-130	20
Toluene	ND	10	10	100	10	10	100	0	70-130	20
Ethylbenzene	ND	10	10	100	10	10	100	0	70-130	20
Chloromethane	ND	10	9.2	92	10	10	100	8	64-130	20
Bromomethane	ND	10	11	110	10	14	140 Q	24 Q	39-139	20

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-01D	**Date Collected**	: 04/09/24 11:08
Client ID	: MW-3 (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 12:10
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A14	**Instrument ID**	: VOA105
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	ND	1.0	0.36	U
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	1.9	2.0	0.14	J
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	0.41	1.0	0.34	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-01D	**Date Collected**	: 04/09/24 11:08
Client ID	: MW-3 (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 12:10
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A14	**Instrument ID**	: VOA105
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	4.9	5.0	1.4	J
79-01-6	Trichloroethene	300	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	0.33	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	54	5.0	1.4	
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	ND	10	2.9	U
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND	500	120	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-01D	**Date Collected**	: 04/09/24 11:08
Client ID	: MW-3 (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 12:10
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A14	**Instrument ID**	: VOA105
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	ND	20	0.79	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-02	**Date Collected**	: 04/09/24 12:15
Client ID	: MW-11 (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 12:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A15	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	0.17	0.50	0.16	J
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	12	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.52	0.50	0.17	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-02	**Date Collected**	: 04/09/24 12:15
Client ID	: MW-11 (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 12:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A15	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	18	2.5	0.70	
79-01-6	Trichloroethene	29	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	12	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	2.4	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-02	**Date Collected**	: 04/09/24 12:15
Client ID	: MW-11 (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 12:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A15	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-03	**Date Collected**	: 04/09/24 12:15
Client ID	: MW-11 (040924) DUPLICATE	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 13:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	9.8	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.42	0.50	0.17	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-03	**Date Collected**	: 04/09/24 12:15
Client ID	: MW-11 (040924) DUPLICATE	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 13:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	16	2.5	0.70	
79-01-6	Trichloroethene	24	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	11	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	2.4	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-03	**Date Collected**	: 04/09/24 12:15
Client ID	: MW-11 (040924) DUPLICATE	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 13:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-04	**Date Collected**	: 04/09/24 13:59
Client ID	: MW-12 (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 13:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A17	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-04	**Date Collected**	: 04/09/24 13:59
Client ID	: MW-12 (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 13:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A17	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-04	**Date Collected**	: 04/09/24 13:59
Client ID	: MW-12 (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 13:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A17	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-05	**Date Collected**	: 04/09/24 14:46
Client ID	: MW-13 (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 13:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A18	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	22	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.30	0.50	0.17	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-05	**Date Collected**	: 04/09/24 14:46
Client ID	: MW-13 (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 13:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A18	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	0.70	2.5	0.70	J
79-01-6	Trichloroethene	43	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	55	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-05	**Date Collected**	: 04/09/24 14:46
Client ID	: MW-13 (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 13:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A18	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-06	**Date Collected**	: 04/09/24 14:30
Client ID	: TRIP BLANK (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 14:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A19	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-06	**Date Collected**	: 04/09/24 14:30
Client ID	: TRIP BLANK (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 14:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A19	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-06	**Date Collected**	: 04/09/24 14:30
Client ID	: TRIP BLANK (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 14:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A19	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-07	**Date Collected**	: 04/09/24 15:00
Client ID	: RINSTATE BLANK (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 14:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A20	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-07	**Date Collected**	: 04/09/24 15:00
Client ID	: RINSTATE BLANK (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 14:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A20	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: L2419960-07	**Date Collected**	: 04/09/24 15:00
Client ID	: RINSTATE BLANK (040924)	**Date Received**	: 04/11/24
Sample Location	: MOD-PAC CORP. BUFFALO, NY	**Date Analyzed**	: 04/15/24 14:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240415A20	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: WG1909186-5	**Date Collected**	: NA
Client ID	: WG1909186-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 04/15/24 08:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05240415A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: WG1909186-5	**Date Collected**	: NA
Client ID	: WG1909186-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 04/15/24 08:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05240415A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304
Lab ID	: WG1909186-5	**Date Collected**	: NA
Client ID	: WG1909186-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 04/15/24 08:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05240415A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Advantage, Inc.**	**Lab Number**	**: L2419960**
Project Name	**: MPC Q2 GROUNDWATER SAMPLING**	**Project Number**	**: 01304**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL21016**
Calibration dates	**: 04/05/24 18:04 04/05/24 22:18**		

Calibration Files

L11 =V05240405N03.D L1 =V05240405N05.D L2 =V05240405N07.D L3 =V05240405N09.D L4 =V05240405N10.D

L6 =V05240405N11.D L8 =V05240405N12.D L10 =V05240405N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
41) TP	Benzene	0.844	0.746	0.895	0.919	0.927	0.937	0.923	0.943	0.892	7.45
42) TP	Tertiary-Amyl Methyl Ether		0.329	0.360	0.434	0.478	0.509	0.524	0.547	0.454	18.41
43) S	1,2-Dichloroethane-d4	0.324	0.327	0.327	0.324	0.301	0.316	0.308	0.324	0.319	3.02
44) TP	1,2-Dichloroet		0.315	0.306	0.305	0.302	0.300	0.297	0.302	0.304	1.90
47) TP	Methyl cyclohe		0.261	0.362	0.420	0.432	0.440	0.431	0.449	0.399	16.83
48) TP	Trichloroethene	0.316	0.278	0.294	0.282	0.284	0.283	0.283	0.298	0.290	4.31
50) TP	Dibromomethane		0.136	0.142	0.139	0.140	0.143	0.141	0.144	0.141	2.01
51) TC	1,2-Dichloropr		0.188	0.217	0.225	0.226	0.227	0.228	0.229	0.220	6.61
53) TP	2-Chloroethyl			0.064	0.074	0.088	0.081	0.085	0.089	0.080	11.85
54) TP	Bromodichlorom		0.286	0.326	0.328	0.339	0.338	0.338	0.344	0.328	5.95
57) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	9.19
58) TP	cis-1,3-Dichlo		0.238	0.284	0.332	0.356	0.369	0.369	0.379	0.332	15.83
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.171	1.197	1.223	1.233	1.208	1.193	1.181	1.132	1.192	2.68
61) TC	Toluene		0.553	0.690	0.726	0.728	0.712	0.718	0.712	0.691	9.04
62) TP	4-Methyl-2-pen			0.041	0.049	0.056	0.057	0.059	0.060	0.054	13.43
63) TP	Tetrachloroethene		0.269	0.380	0.394	0.401	0.394	0.396	0.399	0.376	12.64
65) TP	trans-1,3-Dich		0.285	0.301	0.352	0.386	0.385	0.389	0.383	0.354	12.40
67) TP	Ethyl methacry			0.154	0.210	0.233	0.239	0.243	0.244	0.221	15.86
68) TP	1,1,2-Trichlor		0.160	0.183	0.185	0.190	0.179	0.180	0.178	0.179#	5.17
69) TP	Chlorodibromom		0.232	0.264	0.300	0.308	0.308	0.312	0.312	0.291	10.64
70) TP	1,3-Dichloropr		0.321	0.356	0.371	0.371	0.359	0.357	0.347	0.355	4.83
71) TP	1,2-Dibromoethane		0.170	0.205	0.246	0.252	0.247	0.248	0.243	0.230	13.45
72) TP	2-Hexanone			0.073	0.085	0.104	0.107	0.110	0.108	0.098	15.53
73) TP	Chlorobenzene		0.740	0.829	0.861	0.851	0.837	0.847	0.857	0.832	5.04
74) TC	Ethylbenzene		1.111	1.271	1.460	1.492	1.472	1.485	1.489	1.397	10.64
75) TP	1,1,1,2-Tetrac		0.243	0.279	0.316	0.333	0.331	0.335	0.335	0.310	11.60
76) TP	p/m Xylene		0.388	0.508	0.574	0.579	0.580	0.593	0.622	0.549	14.36
77) TP	o Xylene		0.368	0.467	0.545	0.563	0.562	0.581	0.601	0.527	15.54
78) TP	Styrene		0.535	0.741	0.904	0.937	0.949	0.974	0.968	0.858	19.02
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.243	0.256	0.292	0.316	0.341	0.353	0.366	0.309	15.44
82) TP	Isopropylbenzene		1.595	2.078	2.427	2.515	2.597	2.596	2.670	2.354	16.46
83) S	4-Bromofluorobenzene	0.747	0.741	0.730	0.724	0.704	0.726	0.727	0.727	0.728	1.73
84) TP	Bromobenzene		0.595	0.597	0.619	0.618	0.634	0.643	0.654	0.623	3.59
85) TP	n-Propylbenzene		2.116	2.571	2.904	2.938	3.019	3.027	2.919	2.785	11.93

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\240405NICAL\
Data File : V05240405N18.D
Acq On : 6 Apr 2024 12:24 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1906007,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 12:11:34 2024
Quant Method : K:\VOA105\2024\240405NICAL\V105_240405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Apr 08 12:09:00 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	109	0.00
2	TP	Dichlorodifluoromethane	0.334	0.304	9.0	93	0.00
3	TP	Chloromethane	0.239	0.265	-10.9	113	0.00
4	TC	Vinyl chloride	0.270	0.267	1.1	101	0.00
5	TP	Bromomethane	* 10.000	12.035	-20.4#	134	0.00
6	TP	Chloroethane	0.207	0.235	-13.5	107	0.00
7	TP	Trichlorofluoromethane	0.529	0.607	-14.7	117	0.00
8	TP	Ethyl ether	0.117	0.141	-20.5#	130	-0.01
10	TC	1,1-Dichloroethene	0.268	0.261	2.6	99	0.00
11	TP	Carbon disulfide	0.845	0.593	29.8#	75	0.00
12	TP	Freon-113	0.305	0.339	-11.1	114	0.00
14	TP	Acrolein	0.019	0.026	-36.8#	168	0.00
15	TP	Methylene chloride	0.236	0.233	1.3	113	0.00
17	TP	Acetone	0.039	0.037	5.1	119	0.00
18	TP	trans-1,2-Dichloroethene	0.231	0.232	-0.4	108	0.00
19	TP	Methyl acetate	0.088	0.086	2.3	111	0.00
20	TP	Methyl tert-butyl ether	0.460	0.464	-0.9	111	0.00
21	TP	tert-Butyl alcohol	0.00834	0.00885#	-6.1	116	0.00
22	TP	Diisopropyl ether	0.641	0.647	-0.9	110	0.00
23	TP	1,1-Dichloroethane	0.428	0.429	-0.2	106	0.00
24	TP	Halothane	0.192	0.207	-7.8	113	0.00
25	TP	Acrylonitrile	0.043	0.054	-25.6#	143	0.00
26	TP	Ethyl tert-butyl ether	0.521	0.530	-1.7	114	0.00
27	TP	Vinyl acetate	* 10.000	9.874	1.3	148	0.00
28	TP	cis-1,2-Dichloroethene	0.256	0.260	-1.6	109	0.00
29	TP	2,2-Dichloropropane	0.347	0.330	4.9	107	0.00
30	TP	Bromochloromethane	0.122	0.123	-0.8	108	0.00
31	TP	Cyclohexane	0.362	0.391	-8.0	111	0.00
32	TC	Chloroform	0.426	0.441	-3.5	109	0.00
33	TP	Ethyl acetate	0.130	0.130	0.0	109	0.00
34	TP	Carbon tetrachloride	0.393	0.396	-0.8	106	0.00
35	TP	Tetrahydrofuran	0.040	0.042	-5.0	113	0.01
36	S	Dibromofluoromethane	0.289	0.281	2.8	107	0.00
37	TP	1,1,1-Trichloroethane	0.406	0.422	-3.9	106	0.00
39	TP	2-Butanone	0.060	0.060	0.0	114	0.00
40	TP	1,1-Dichloropropene	0.314	0.331	-5.4	109	0.00
41	TP	Benzene	0.892	0.917	-2.8	108	0.00
42	TP	tert-Amyl methyl ether	0.454	0.436	4.0	109	0.00
43	S	1,2-Dichloroethane-d4	0.319	0.327	-2.5	110	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\240405NICAL\
Data File : V05240405N18.D
Acq On : 6 Apr 2024 12:24 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1906007,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 12:11:34 2024
Quant Method : K:\VOA105\2024\240405NICAL\V105_240405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Apr 08 12:09:00 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.304	0.301	1.0	107	0.00
47	TP	Methyl cyclohexane	0.399	0.426	-6.8	110	0.00
48	TP	Trichloroethene	0.290	0.273	5.9	105	0.00
50	TP	Dibromomethane	0.141	0.145	-2.8	113	0.00
51	TC	1,2-Dichloropropane	0.220	0.221	-0.5	107	0.00
53	TP	2-Chloroethyl vinyl ether	0.080	0.093	-16.2	135	0.00
54	TP	Bromodichloromethane	0.328	0.322	1.8	106	0.00
57	TP	1,4-Dioxane	0.00126	0.00131#	-4.0	111	0.00
58	TP	cis-1,3-Dichloropropene	0.332	0.345	-3.9	113	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
60	S	Toluene-d8	1.192	1.214	-1.8	107	0.00
61	TC	Toluene	0.691	0.717	-3.8	108	0.00
62	TP	4-Methyl-2-pentanone	0.054	0.051	5.6	114	0.00
63	TP	Tetrachloroethene	0.376	0.393	-4.5	109	0.00
65	TP	trans-1,3-Dichloropropene	0.354	0.365	-3.1	113	0.00
67	TP	Ethyl methacrylate	0.221	0.242	-9.5	125	0.00
68	TP	1,1,2-Trichloroethane	0.179	0.185#	-3.4	109	0.00
69	TP	Chlorodibromomethane	0.291	0.300	-3.1	109	0.00
70	TP	1,3-Dichloropropane	0.355	0.373	-5.1	110	0.00
71	TP	1,2-Dibromoethane	0.230	0.242	-5.2	107	0.00
72	TP	2-Hexanone	0.098	0.095	3.1	122	0.00
73	TP	Chlorobenzene	0.832	0.853	-2.5	108	0.00
74	TC	Ethylbenzene	1.397	1.442	-3.2	108	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.310	0.320	-3.2	110	0.00
76	TP	p/m Xylene	0.549	0.563	-2.6	107	0.00
77	TP	o Xylene	0.527	0.542	-2.8	108	0.00
78	TP	Styrene	0.858	0.907	-5.7	109	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
80	TP	Bromoform	0.309	0.305	1.3	112	0.00
82	TP	Isopropylbenzene	2.354	2.472	-5.0	109	0.00
83	S	4-Bromofluorobenzene	0.728	0.734	-0.8	108	0.00
84	TP	Bromobenzene	0.623	0.629	-1.0	108	0.00
85	TP	n-Propylbenzene	2.785	2.865	-2.9	105	0.00
86	TP	1,4-Dichlorobutane	0.479	0.545	-13.8	122	-0.01
87	TP	1,1,2,2-Tetrachloroethane	0.384	0.371	3.4	104	0.00
88	TP	4-Ethyltoluene	2.348	2.528	-7.7	110	0.00
89	TP	2-Chlorotoluene	1.597	1.667	-4.4	108	0.00

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2419960		
Project Name	: MPC Q2 GROUNDWATER SAMPLING	**Project Number**	: 01304		
Instrument ID	: VOA105	**Calibration Date**	: 04/15/24 06:41		
Lab File ID	: V05240415A01	**Init. Calib. Date(s)**	: 04/05/24	04/05/24	
Sample No	: WG1909186-2	**Init. Calib. Times**	: 18:04	22:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.22	0.222	-	-0.9	20	108	0
Bromodichloromethane	0.328	0.323	-	1.5	20	107	0
1,4-Dioxane	0.00126	0.00098*	-	22.2*	20	84	0
cis-1,3-Dichloropropene	0.332	0.323	-	2.7	20	106	0
Chlorobenzene-d5	1	1	-	0	20	111	0
Toluene-d8	1.192	1.204	-	-1	20	109	0
Toluene	0.691	0.692	-	-0.1	20	106	0
4-Methyl-2-pentanone	0.054	0.042	-	22.2*	20	95	0
Tetrachloroethene	0.376	0.366	-	2.7	20	103	0
trans-1,3-Dichloropropene	0.354	0.34	-	4	20	107	0
Ethyl methacrylate	0.221	0.176	-	20.4*	20	93	0
1,1,2-Trichloroethane	0.179	0.168*	-	6.1	20	101	0
Chlorodibromomethane	0.291	0.274	-	5.8	20	102	0
1,3-Dichloropropane	0.355	0.341	-	3.9	20	102	0
1,2-Dibromoethane	0.23	0.218	-	5.2	20	99	0
2-Hexanone	0.098	0.073	-	25.5*	20	96	0
Chlorobenzene	0.832	0.806	-	3.1	20	104	0
Ethylbenzene	1.397	1.367	-	2.1	20	104	0
1,1,1,2-Tetrachloroethane	0.31	0.298	-	3.9	20	105	0
p/m Xylene	0.549	0.54	-	1.6	20	105	0
o Xylene	0.527	0.52	-	1.3	20	106	0
Styrene	0.858	0.846	-	1.4	20	104	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	112	0
Bromoform	0.309	0.256	-	17.2	20	98	0
Isopropylbenzene	2.354	2.238	-	4.9	20	103	0
4-Bromofluorobenzene	0.728	0.743	-	-2.1	20	115	0
Bromobenzene	0.623	0.584	-	6.3	20	105	0
n-Propylbenzene	2.785	2.712	-	2.6	20	104	0
1,4-Dichlorobutane	0.479	0.456	-	4.8	20	107	0
1,1,2,2-Tetrachloroethane	0.384	0.354	-	7.8	20	104	0
4-Ethyltoluene	2.348	2.283	-	2.8	20	104	0
2-Chlorotoluene	1.597	1.559	-	2.4	20	106	0
1,3,5-Trimethylbenzene	2.065	1.964	-	4.9	20	104	0
1,2,3-Trichloropropane	0.326	0.282	-	13.5	20	99	0
trans-1,4-Dichloro-2-buten	0.114	0.098	-	14	20	96	0
4-Chlorotoluene	1.645	1.623	-	1.3	20	109	0
tert-Butylbenzene	1.797	1.72	-	4.3	20	103	0
1,2,4-Trimethylbenzene	10	8.961	-	10.4	20	106	0
sec-Butylbenzene	2.601	2.548	-	2	20	105	0
p-Isopropyltoluene	10	8.986	-	10.1	20	104	0
1,3-Dichlorobenzene	1.209	1.167	-	3.5	20	105	0
1,4-Dichlorobenzene	1.235	1.186	-	4	20	106	0
p-Diethylbenzene	1.415	1.279	-	9.6	20	107	0

*** Value outside of QC limits.**

APPENDIX I

EQuIS DATA SUBMITTAL CONFIRMATIONS

Will Parker

From: Rylee Hooker <rhooker@envadvantage.com>
Sent: Friday, August 23, 2024 3:06 PM
To: NYENVEDD@dec.ny.gov
Cc: 'Kuczka, Megan E (DEC)'; 'Mary Szustak'; Mark Hanna (EA)
Subject: MOD-PAC CORP. Site BCP #C915314 - Electronic Data Deliverable
Attachments: 20240823 1446.C915314.NYSDEC_v5_MERGE.zip; 20240823 1450.C915314.NYSDEC_v5_MERGE.zip

Good Afternoon,

Please find attached two zip files containing data sets L2419960 and L2410216 for BCP Site C915314 – MOD-PAC CORP.

Thank you,

Rylee Hooker, Environmental Scientist
Environmental Advantage, Inc.
3636 N. Buffalo Road
Orchard Park, NY 14127
Phone (716) 667-3130 ext.108
Fax (716) 667-3156
rhooker@envadvantage.com
www.envadvantage.com

Will Parker

From: Rylee Hooker <rhooker@envadvantage.com>
Sent: Monday, August 26, 2024 2:40 PM
To: NYENVEDD@dec.ny.gov
Cc: 'Kuczka, Megan E (DEC)'; Mark Hanna (EA); Mallory Behlmaier (EA); 'Mary Szustak'
Subject: MOD-PAC CORP. Site BCP #C915314 - Electronic Data Deliverable
Attachments: 20240826 1419.C915314.NYSDEC_v5_MERGE.zip

Good Afternoon,

Please find the attached zip file containing data set L2410216 for BCP Site C915314 – MOD-PAC CORP. **Please Note:** the zip file contains a revision from a previously submitted EDD for the same data set.

Thank you,

Rylee Hooker, Environmental Scientist
Environmental Advantage, Inc.
3636 N. Buffalo Road
Orchard Park, NY 14127
Phone (716) 667-3130 ext.108
Fax (716) 667-3156
rhooker@envadvantage.com
www.envadvantage.com